

Rogue Community College

Catalog 2015-16



Rogue Community College

www.rogueecc.edu

3345 Redwood Highway, Grants Pass, Oregon 97527
541-956-7500 or Oregon Telecom Relay Service, 711

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Introduction

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 Learning Center

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

2015-2016 ACADEMIC CALENDAR

July 2015							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3	4
1	5	6	7	8	9	10	11
2	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25
4	26	27	28	29	30	31	

August 2015							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
4							1
5	2	3	4	5	6	7	8
6	9	10	11	12	13	14	15
7	16	17	18	19	20	21	22
8	23	24	25	26	27	28	29
	30	31					

September 2015							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
1	27	28	29	30			

October 2015							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1					1	2	3
2	4	5	6	7	8	9	10
3	11	12	13	14	15	16	17
4	18	19	20	21	22	23	24
5	25	26	27	28	29	30	31

November 2015							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	14
8	15	16	17	18	19	20	21
9	22	23	24	25	26	27	28
10	29	30					

December 2015							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
10			1	2	3	4	5
11	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		

	2015 Summer	2015 Fall	2016 Winter	2016 Spring
Priority registration ¹	May 26	May 26	Nov. 23	Feb. 29
New student/open registration ¹	June 1	June 1	Nov. 30	Mar. 4
Term begins	July 6	Sept. 28	Jan. 4	Mar. 28
Foundation scholarship applications available			Jan. 4	
Graduation application deadline ²			Feb. 15	
Foundation scholarship application deadline			Feb. 29	
Deadline to add or drop classes	July 15	Oct. 7	Jan. 13	Apr. 6
Deadline to pay for classes	July 16	Oct. 9	Jan. 15	Apr. 8
Withdraw period begins	July 16	Oct. 8	Jan. 14	Apr. 7
First refund date	July 16	Oct. 9	Jan. 15	Apr. 8
Second tuition installment deadline	Aug. 6	Nov. 6	Feb. 12	Apr. 29
Honors night/PTK induction				Apr. 15
Foundation awards ceremony				May 25
Federal Direct Loan application deadline	Aug. 20	Dec. 4	Mar. 11	June 3
Last tuition installment deadline	Aug. 20	Dec. 4	Mar. 11	June 3
Last day to withdraw or change to audit	Aug. 6	Nov. 20	Feb. 26	May 20
Book buy back	Aug. 26– Aug. 27	Dec. 9– Dec. 11	Mar. 16– Mar. 18	June 8– June 10
Term ends	Aug. 27	Dec. 11	Mar. 18	June 10
Commencement				June 11
Break between terms (no classes)	Aug. 31– Sept. 25	Dec. 14– Jan. 1	Mar. 21–25	June 13– July 1
Grades available online	Sept. 2	Dec. 16	Mar. 23	June 15
Inservice Week - College is NOT closed	Sept. 21– Sept. 25			
College closed —				
Independence Day	July 3			
Fridays	July 10– Sept. 11			
Labor Day	Sept. 7			
Veterans Day		Nov. 11		
Thanksgiving		Nov. 26– Nov. 27		
Winter closure		Dec. 21–25 Dec. 28 Dec. 31		
New Year's Day			Jan. 1	
Martin Luther King Jr. Day			Jan. 18	
Presidents' Day			Feb. 15	
Inservice				May 6
Memorial Day observed				May 30

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.

- Term begins
- Term ends
- College closed

Rogue Central and Counseling Department hours:

- Redwood Campus, Grants Pass: 8 a.m.-5 p.m. Monday, Wednesday, Thursday, Friday; 8 a.m.-6 p.m. Tuesday*
- Riverside Campus, Medford: 8 a.m.-5 p.m. Monday, Wednesday, Thursday, Friday; 8 a.m.-6 p.m. Tuesday*
- Table Rock Campus, White City: 8 a.m.-5 p.m. Monday, Wednesday, Thursday, Friday; 8 a.m.-6 p.m. Tuesday*

* Closed evenings during term breaks.

Rogue Central is your place for answers about:

- Financial aid
- Payments
- Grades
- Transfer credit evaluations
- Graduation
- Registration
- Transcripts

Email Rogue Central at rcs@roguecc.edu

January 2016							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1	2
1	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23
4	24	25	26	27	28	29	30
5	31						

February 2016							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
5		1	2	3	4	5	6
6	7	8	9	10	11	12	13
7	14	15	16	17	18	19	20
8	21	22	23	24	25	26	27
9	28	29					

March 2016							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
9			1	2	3	4	5
10	6	7	8	9	10	11	12
11	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
1	27	28	29	30	31		

April 2016							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1						1	2
2	3	4	5	6	7	8	9
3	10	11	12	13	14	15	16
4	17	18	19	20	21	22	23
5	24	25	26	27	28	29	30

May 2016							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	14
8	15	16	17	18	19	20	21
9	22	23	24	25	26	27	28
10	29	30	31				

June 2016							
Term	Sun	Mon	Tue	Wed	Thu	Fri	Sat
10				1	2	3	4
11	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30		

Dates are subject to change

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

Rogue Community College is a comprehensive two-year public college chartered by the state of Oregon. The RCC District encompasses Jackson and Josephine counties and has three campuses:

- The Redwood Campus is located on 84-wooded acres five miles west of Grants Pass in Josephine County.
- The Riverside Campus in downtown Medford is a bustling urban campus. The RCC/SOU Higher Education Center is jointly owned and occupied by RCC and Southern Oregon University.
- The 105,000-square-foot Table Rock Campus in White City houses career and technical education programs.

Other learning sites include the Small Business Development Center and the Esther Bristol Education Center in Grants Pass and the Illinois Valley Learning and Illinois Valley Entrepreneurial centers in Kerby.

Accreditation

www.roguecc.edu/Accreditation

RCC is accredited by the Northwest Commission on Colleges and Universities, an independent, non-profit membership organization recognized by the U.S. Department of Education. NWCCU is the regional authority on educational quality and college effectiveness in the seven-state northwest region including Alaska, Idaho, Montana, Nevada, Utah, Washington and Oregon. NWCCU establishes accreditation standards and processes by which public and private colleges and universities are evaluated on a regular basis for continuous improvement.

Accreditation qualifies the college and its enrolled students for access to federal funds to support learning and teaching. It also acknowledges the college for performance, integrity and quality to meet the confidence of the educational community and the public.

The college is a member of the American Association of Community Colleges, the Association of Community College Trustees, and the Oregon Community College Association.

Courses and programs are approved by the Department of Community Colleges and Workforce Development and the Higher

Education Coordinating Commission. RCC is also approved as a veterans training institution by the Veterans Administration.

RCC accreditation and licensing information is available online or in the RCC libraries.

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. The RCC Facilities and Operations Department 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 Facilities and Operations 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 also is posted at www.roguecc.edu.

Consumer information

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

Electronic communication

RCC's primary method of communication with students is 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

Rogue Community College employs approximately 315 regular employees: 54 exempt staff; 85 full-time faculty, 150 full-time classified and 26 part-time classified staff. In addition, the college employs more than 530 part-time faculty.

Instructional Services

RCC's Instructional Services Division is divided into four schools under which each of the college's departments is aligned.

School of Arts/Technology

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

School of Health/Public Service

Allied Health
Criminal Justice
Early Childhood/Elementary Education
Emergency Services
Health/P.E./Recreation
Human Services
Massage Therapy
Nursing

School of Science/Technology

Apprenticeship
Automotive
Construction
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
GED Testing
High School Drivers Training
Individualized Career Training
Social Science
Workforce Training

Curriculum and Scheduling and
Instructional Media report directly to the
Vice President of Instruction.

Students

By the end of the 2014-15 school year, approximately 16,179 students had enrolled at RCC. That number represented the full-time equivalent (FTE) of 4,866 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."

	Redwood	Riverside	Table Rock
Main Number	541-956-7500	541-245-7500	541-245-7500
Admission	541-965-7179	541-245-7574	541-245-7574
Adult Basic Skills (ABE/GED/ESL)	541-956-7253	541-245-7701	541-245-7820
Bookstore (Textbooks)	541-956-7160	541-245-7591	541-245-7870
Community Education	541-956-7303	541-245-7616	541-245-7676
Computer Labs	541-956-7424	541-245-7534	541-245-7990
Counseling/Advising	541-956-7192	541-245-7552	541-245-7863
Disability Services	541-956-7337**	541-245-7537**	541-245-7537**
Library	541-956-7152	541-245-7512	541-245-7820
Online Registration Help	RCS@roguecc.edu	RCS@roguecc.edu	RCS@roguecc.edu
Placement Testing	541-956-7112	541-245-7552	541-245-7552
Rogue Central (Financial Aid, Registration, Cashier)	RCS@roguecc.edu	RCS@roguecc.edu	RCS@roguecc.edu
Student Employment	541-956-7091	541-245-7762	541-245-7762
Student Records	541-956-7427	541-956-7427	541-956-7427
Testing Center	541-956-7340	541-245-7777	541-245-7820
Transcripts, order info	541-956-7427	541-956-7427	541-956-7427
Tutoring Centers	541-956-7340	541-245-7700	541-245-7820
Veterans Educational Benefits	541-956-7109	541-245-7738	541-245-7805

Social media at RCC

Stay in touch with Rogue Community College through the following online services:

www.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.

www.pinterest.com/rccmedia/



Pinterest is a image-based social networking system that allows users to create and share themed image collections online.

twitter.com/#!/roguecc



A social broadcasting service that allows users to communicate through short text-based posts or "tweets" of up to 140 characters.

rccmedia.tumblr.com



Tumblr is a micro-blogging and social networking service that allows for the easy sharing of multimedia content.

www.roguecc.edu/CommRel/psa.xml



Really Simple Syndication or RSS feeds your favorite news sources to one location.



www.youtube.com/user/RogueCCVideos YouTube is a site for viewing, uploading and sharing videos.



Access RCC's mobile website from any mobile Web browser by scanning this QR code or entering www.roguecc.edu.

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 and Recruitment Department. For information, call Carmen Sumner, assistant director of Marketing and Recruitment, 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. Attend New Student Orientation. You can sign up at www.roguecc.edu/NewStudentOrientation.
5. Explore the programs that RCC has to offer at www.roguecc.edu/academics.

Get Set to register

6. Attend a registration assistance lab if you would like help with the process. View the schedule at: www.roguecc.edu/NewStudentOrientation.
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 2nd 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 I.D.

Go to class

11. Need a campus map? Visit www.roguecc.edu/Maps.
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 because of special admission requirements such as minimum age, safety issues, or criminal background.

Limited entry programs

Apprenticeship, Clinical Laboratory Assistant, Dental Assistant, Emergency Medical Services, Human Services, Massage Therapy, Medical Assistant, Nursing, Paramedicine, Occupational Skills Training, Occupational Therapy Assistant, Phlebotomy (proposed), Physical Therapy Assistant, and Practical Nursing 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 submit verification of certain immunizations and medical tests.

International admission

Rogue Community College 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 under-aged students. Classes that consist primarily of extensive field experiences may have additional requirements.

Assessment services

Placement testing

www.roguecc.edu/PlacementTest

Placement tests enable students and their advisors to assess students' academic readiness. The scores help advisors 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 Aqueous Media
- ART294 Watercolor I
- CG100 College Success and Survival
- CS60 PC Basics (Introductory computer class)
- HE112 First Aid
- HE261 CPR
- LIB127 Introduction to Library Research Methods
- MUP102 Concert Band
- MUP105 Jazz Ensemble
- MUP142 Chamber Orchestra
- MUS131 Class Piano I
- 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 on the graduation guide for their declared major.

A placement test may be waived based on:

- 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, or

- 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 that 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 is a mandatory one-hour information session providing new students with enough information to start strong at RCC, understand what to expect next, and know where to find answers to questions. Students also will learn how to navigate the RCC website, check their financial aid status, update personal information, and register for classes. It is the next mandatory step to become a successful student at RCC. Following the new student orientation, students are invited to attend an open registration lab for more personalized assistance.

Registration labs

Following each new student orientation, registration labs are offered to assist students with the registration process. Students will have access to a computer and personalized attention to help them shop for classes and check financial aid status.

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

1. Visit the RCC home page at www.roguecc.edu.
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 advisor, the planner will be updated with classes discussed for future terms.

1. Visit www.roguecc.edu.
2. Select myRogue.
3. Enter student ID and password.
4. From the Student Resources menu, select Program Planner. This will show if student has approval to register. (E.g., "You have an advisor's approval to register for classes through fall 2015.") The program planner contains a list of classes an advisor recommends or a program requires. In some cases students may have a program planner "A" and a program planner "B."
5. If no approval to register, see an advisor using the following the guidelines:

Credit class refund and withdraw deadlines

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

- a. Students who have completed Writing 115 and Math 60 should see the advisor specializing in their major.
- b. Students who have not completed these courses should see an advisor 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 there after. Use instructor permission code on the student resources page online 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 rccs@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.

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 2015-16:

- Oregon residents – \$95 per credit hour
- Out-of-state residents – \$116 per credit hour
- International students – \$318 per credit hour
- Technology fee – \$5 per credit/\$5 per non-credit class
- College services fee – \$15 for 0 credits, \$55 for 1-5 credits, \$95 for 6-11 credits, \$135 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
- Installment fee – \$25
- Returned check fee – \$25

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 respon-

sible 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 Cards (VISA, MasterCard, Discover, and American Express) – Credit card 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 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 pre-

vious 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 an 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.

Registration Steps

Update "Personal Information" on myROGUE

E-mail is RCC's official 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 Information

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, second, 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 Clinical Lab Assistant, Dental Assistant, EMS/Paramedicine, Human Services, Massage Therapy, Medical Assistant, Nursing, Phlebotomy (proposed), and Practical Nursing, 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 advisors can help students identify career goals within their declared majors and can provide information on local vocational trends in their field.

At registration each term, students are required to verify that the major(s) in their

Example student transcript			
Course	Credit hours	Grade	Grade points
Biology and lab	4	A	16
Figure drawing	3	C	6
Mathematics	3	F	0
10 total credit hours attempted			22 total grade points
To calculate GPA, the total grade points are divided by the total credit hours attempted:			
Total grade points	divided by	$\frac{22}{10}$	= 2.20
Total credit hours attempted			

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") is 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. 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-provider college and RCC differ, Rogue’s 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.

Course numbering

- Personal Enrichment – Courses with numbers below 1.000 (e.g., .601 and .616.3) are considered to be personal enrichment courses and are not intended for program completion or transfer. (Not financial-aid eligible.)
- Academic Skills Development – Courses with letters (e.g. CS, CG, MTH, RD, WR) followed by numbers of less than 100 (e.g., MTH20) are generally considered academic skills development classes.

(Sometimes financial-aid eligible.)

- Career and technical – Courses are identified by the following prefixes: AH, AM, APR, BT, CLA, CPL, DA, DS, ECE, EET, EL, EMS, ES, EST, FRP, GD, HC, HCI, HD, HS, LAT, MET, MFG, MT, NA, PN, ST, TD, WLD. Most of these courses apply to career and technical degrees and certificates from Rogue. (Financial-aid eligible if required or approved elective of an aid eligible program.)
- Occupational Supplementary – Courses numbered 9.xxx (e.g., 9.263) are designed to upgrade the skills of workers currently employed in occupations or industries. These courses generally do not lead to a degree or certificate. Continuing education units (CEUs), a form of recognition given to units of training, are often given in lieu of credit. (Generally not financial-aid eligible.)
- Transfer Level – Courses that are generally accepted by four-year colleges and are identified with letters and numbers (e.g., WR121), with the exception of courses with the career and technical prefixes previously listed. (Financial aid eligible.)

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.

International Baccalaureate (IB)

IB credit can be earned in some high schools for college-level classes upon successful completion of the IB Exam. See IB Exam chart on page 16 for passing scores. Submit official IB score report from www.ibo.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, are graded on a similar basis and taught by qualified professionals, or
- 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. Classes may be taught by RCC instructors or high school teachers and earn RCC credit; high schools usually grant credit for these classes also. 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:

- 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@rogucecc.edu.

College Now credit

www.rogucecc.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 basic to an advanced level of instruction. High school students can contact their counselors for information about the program or contact the Educational Partnership 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.rogucecc.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 apply. See www.rogucecc.edu/pathfinder for current list of participating high schools.

College Level Exam Program (CLEP) chart

College Level Examination Program (CLEP) Credit	Scores	Credits	Course
General Examinations			
College Mathematics	n/a	0	No equivalent
English Composition	n/a	0	No equivalent
Humanities	*50	3	HUM199 (Humanities Elective)
Natural Sciences	*50	9	Non-lab Science elective
*Score of 500 or above required prior to 1999			
Subject Examinations			
Composition and Literature	n/a	0	No equivalent
American Literature	50	3	ENG199 (Literature Elective)
Analyzing and Interpreting Literature	n/a	0	No equivalent
English Literature	50	3	ENG199 (Literature Elective)
Freshman College Composition	n/a	0	No equivalent
Foreign Languages			
College-Level French Language	50	12	FR101-102-103
College-Level German Language	n/a	0	No equivalent
College-Level Spanish Language	50	12	SPAN101-102-103
History and Social Sciences			
American Government	50	3	PS199 (Political Science elective)
History of the United States I: Early Colonization to 1877	50	4	HST201
History of the United States II: 1865 to the Present	50	4	HST202
BOTH History I and History II	50	8	HST 201-202
Human Growth and Development	50	4	PSY215
Introduction to Educational Psychology	n/a	0	No equivalent
Introductory Psychology	50	8	PSY201, 202
Introductory Sociology	74	4	SOC204
Principles of Macroeconomics	50	4	ECON202
Principles of Microeconomics	50	4	ECON201
Social Sciences and History	70	8	Social Science Elective
Western Civilization I: Ancient Near East to 1648	50	4	AAOT History Elective
Western Civilization II: 1648 to the Present	50	4	AAOT History Elective
BOTH Western Civ. I & Western Civ. II	50	8	AAOT History Elective
Science and Mathematics			
Calculus with Elementary Functions	50	5	MTH251
Calculus with Elementary Functions	60	10	MTH251, 252
College Algebra	50	4	MTH111
College Algebra-Trigonometry	n/a	0	No equivalent
Trigonometry	50	4	MTH112
General Biology	50	9	Non-lab science elective
General Chemistry	50	9	Non-lab science elective
Business			
Information Systems and Computer Applications	52	4	BA131
Introductory Business Law	56	4	BA226
Principles of Management	n/a	0	No equivalent
Principles of Accounting	50	4	BA211
Principles of Marketing	52	4	BA223
**No set policy – Requires Department Evaluation			

* Score of 500 or above required prior to 1999

** No set policy. Requires department evaluation.

Extended Options

www.rogucecc.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 college's chief academic officer. No more than 25 percent of a program's total credits may come from credits granted for prior learning. Visit the RCC website at www.rogucecc.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 CLEP chart on page 14 for passing scores and recognized subject areas. Submit official CLEP score report from www.Collegeboard.org and a Transfer Credit Evaluation Request

Advanced Placement Exam chart

Advanced Placement Examination	Scores	Credits	Course
Art - History	4+	8	ART199
Art - Studio	4+	4	ART199
Biology	4+	12	BI211,212,213 w/lab
Chemistry	4+	15	CHEM221,222,223 w/lab
Computer Science A	4+	4	CS122
English Language and Comp	3+	4	WR121
English Literature and Comp	3+	4	ENG104
Environmental Science	3+	4	SC210
History (European)	3+	8	Social Science Elective
Government (United States)	4+	3	PS201
Human Geography	3+	3	GEOG110
Macro Economics	3+	4	ECON202
Micro Economics	3+	4	ECON201
Music Theory	4+	8+	MUS111,112
Physics B	4+	15	PH201,202,203 w/lab
Physics C (Mechanics)	4+	5	PH211 w/lab
Physics C (Electricity and Magnetism)	4+	5	PH212 w/lab
Psychology	3+	4	PSY201
History (United States)	3+	8	HST201,202
History (World)	3+	8	HST104,105
Languages and Culture:			
Chinese Language and Culture	3+	12	Humanities Elective
French Language and Culture	3+	12	FR101,102,103
German Language and Culture	3+	12	Humanities Elective
Japanese Language and Culture	3+	12	Humanities Elective
Latin	3+	12	Humanities Elective
Spanish Language and Culture	3+	12	SPAN101,102,103
Spanish Literature and Culture	3+	4	Humanities Elective
Mathematics:			
Cal. AB**	3	5	MTH251
Cal. BC**	3	10	MTH251,252
Cal. AB**	4+	10	MTH251,252
Cal. BC**	4+	15	MTH251,252,253
Statistics	4+	4	MTH243

** Credit not granted in both, only one or the other, depending on the examination taken.

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:

- Criminal Justice
- Early Childhood Education

International Baccalaureate Exam (IB) chart

International Baccalaureate Examination		Standard Level Exam score of 5 or higher		Higher Level Exam score of 5 or higher	
	Credits	Course		Course	
Humanities/Performing Arts					
Dance	4	General Elective	8	General Elective	
Film	4	FA101	8	FA101, Humanities Elective	
Music (Solo, Group or Composition)	4	MUS101	7	MUS101, 105	
Philosophy	4	PHL101	8	PHL101, Humanities Elective	
Theater Arts	4	Theater Elective	4	Theater Elective	
Visual Arts	3	ART211	8	ART211, Studio Art Elective	
World Religions	4	REL201	8	REL201, Humanities Elective	
Languages					
Language A: Literature (English)	4	WR121	12	WR121, ENG108, ENG109	
Language A: Language & Literature (English)	4	WR121	12	WR121, ENG104, ENG105	
Language A: Literature (other than English)	4	1st course in 2nd yr sequence language	12	2nd year language sequence	
Language A: Language & Literature (other than English)	4	1st course in 2nd yr sequence language	12	2nd year language sequence	
Language B (all languages except English)	4	1st course in 2nd yr sequence language	12	2nd year language sequence	
Literature and Performance (English)	4	TA199	n/a	n/a	
Literature and Performance (Spanish, French)	4	1st course in 2nd yr sequence language	n/a	n/a	
Classical Languages	4	2nd year Foreign Language or Humanities Elective	12	2nd year Foreign Language or Humanities Elective	
Experimental Sciences					
Biology	4	BI211	12	BI211, 212, 213	
Chemistry	5	CHEM221	15	CHEM221, 222 223	
Environmental Systems and Societies	4	BI145 + Science Elective	n/a	n/a	
Physics	5	PH201	12	PH201, 203 + Science Elective	
Individuals and Societies					
Business	4	BA101	4	BA101	
Economics	3	ECON115	8	ECON 201, 202	
Geography	3	Social Science Elective	6	GEOG100, 110	
History: Africa (higher level only)	n/a	n/a	9	Social Science Elective	
History: Americas (higher level only)	n/a	n/a	12	HST 201, 202, Social Science Elective	
History: Asia/Oceania (higher level only)	n/a	n/a	9	Social Science Elective	
History: Europe & Middle East (higher level only)	n/a	n/a	9	Social Science Elective	
History: Medieval Eur & Islamic World	4	HST104	12	HST104, 105, Social Science Elective	
History	3	Social Science Elective	n/a	n/a	
Psychology	4	PSY 201	8	PSY 201, 202	
Social and Cultural Anthropology	4	ANTH 110	4	ANTH110	
Sports, Exercise & Health (Pilot)	3	HPE295	6	HPE295, 3 credits of Health/PE	
Mathematics and Computer Science					
Computer Science	4	CS 161	8	CS 161, 162	
Information Technology in a Global Society	4	CS120	8	CS120, 4 credit CS elective	
Math Studies (standard level only)	4	MTH 105	n/a	n/a	
Mathematics	5	MTH251	10	MTH251, 252	
Further Mathematics (higher level only)	n/a	n/a	15	MTH251, 252, 253	

- 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. 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/NoPass 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:

- **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.
- **Communication:** Students will engage in quality communication using active listening and reading skills and expressing ideas appropriately in oral, written, and visual work.
- **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.
- **Critical Thinking:** Think critically and creatively about problems and issues in classroom or school, home, work, and community settings to create positive, sustainable solutions.
- **Application of Knowledge:** Students will synthesize and use knowledge in familiar and unfamiliar situations to effectively solve problems and complete tasks.

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 Rogue Community College 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.

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 2011-12;
- 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.

- 11 percent graduated by the end of winter term 2013 (certificate seeking) or by end of summer term 2014 (degree seeking)
- 18 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 is 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/myonemoney/FAQs.pdf.

It is strongly recommended that students consult a tax advisor 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, math and study skills 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 pay-

ment, 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.

Aid package

A combination of aid offered (possibly scholarships, grants, loans, and work) determined by the Financial Aid Office per eligibility rules.

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, CLA, CPL, DA, DS, ECE, EET, EL, EMS, ES, EST, FRP, GD, HC, HCI, HD, HS, LAT, MET, MFG, MT, NA, PN, 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

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. 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.

Student Services

Athletics

www.roguecc.edu/Athletics

The Rogue Community College Board of Directors approved a college athletics program at RCC in 2014.

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

Rogue Community College is looking for dedicated student athletes who want to extend their athletic career to the college level. If you want to be an athlete at the college level, or know someone who would, contact the RCC Athletic Department at www.roguecc.edu/athletics.

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.

The athletics program is funded in large part by grants and community support through the RCC Foundation. If you would like to know how you can support 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 and New Student Resources

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

Career Resources

The Career Resource Centers assist students in selecting majors, understanding financial literacy, enhancing career readiness, and job and internship exploration. Students can gain better preparation for the job market during college and upon graduation by taking advantage of career-enhancing opportunities and develop skills relevant to career searching.

Staff will help students

- Choose a major or career based on their

personality, interests and strengths

- Review resume and cover letters
- Explore job search resources and techniques
- Understand and use online career resources
- Develop soft skills related to successful employability

Selecting a major

- Career Interest Inventory/Holland Codes
- RCC Degree Exploration
- Job Market Research
- CIS: Career Information System

Financial Literacy

- SALT resources
- Scholarship opportunities
- Student loan and borrower

Career Readiness

- Resume
- Cover Letter
- Mock Interviews
- Dress to Impress
- Work / life balance

Jobs and Internships

- Job search skill building
- Applying for jobs
- Job fairs and Internship opportunities

New Student Resources

The New Student Resource Centers provide information to prospective and new students entering the college. The centers are staffed with personnel to guide new students as they begin their education.

Staff will help students

- Access general information for prospective and new students
- Assist prospective and new students with navigating RCC systems
- Provide student support and assistance in understanding credit hours, time management, and building first term course schedules
- Provide new student referrals to other departments and campus resources

New Student Orientation (NSO)

New Student Orientation (NSO) is required for all new RCC students. Students learn about college programs, campus resources, and receive a tutorial on navigating the RCC website, checking financial aid status, and registering for classes. Students must complete the admissions application and placement test before attending an NSO. After completing the NSO, students receive

permission to register for college courses for the upcoming term.

Registration labs

Registration labs are offered to all new students completing the NSO. Registration labs are held in computer labs and students receive personalized assistance in choosing first term courses, checking financial aid status, and completing the final processes to begin college. Additional registration assistance is available on a walk-in basis in RCC's New Student Resource Centers at Redwood and Riverside Campuses.

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. RCC welcomes recent high school Latino graduates planning to attend Rogue Community College.

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 advisors 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 provided at 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 advisors. Call the number listed for individual departments, which is included with specific program information on pages 52-206 in this catalog.

Students enrolling in the following programs should speak with an advisor 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, 541-245-7904
- Emergency Medical Services, 541-245-7965
- Fire Science, 541-245-7965
- Fitness Technician, 541-956-7140 (Grants Pass); 541-245-7504 (Medford)
- Industrial Welding Technology, 541-245-7904
- Landscape Technician, 541-245-7908
- Manufacturing Technology, 541-245-7902
- Renewable Energy Technician, 541-245-7904

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.

Placement Test Preparation

Placement test preparation is an opportunity to learn test-taking strategies, refresh existing skills, and access resources to prepare for the placement test or retest.

Retention 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

Start Strong Cohort

The "Start Strong" cohort helps students make the most of their college experience and prepare for success. In a group setting, students learn to navigate college systems, explore careers and majors, make informed decisions, develop an educational plan, and prepare for college success. In one term students learn what takes many students an entire year. The 6-credit offering is financial aid eligible. For more information, contact the Counseling Department.

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?

RCC 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
- Help in choosing a major or a career direction
- 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 provienen 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 consejeros 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 Adaptiva 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 recomien-

da 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 log-

ging 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 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 1-800-4FEDAID. RCC's federal school code is #010071.

RCC recommends submitting an annual FAFSA, as soon as possible, on or after January 1 preceding the school year. 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, his/her 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 RCC's 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 about submitting a Financial Aid Information Request (FAIR).
3. Complete and return the FAIR and all other requested documents right away. Students will be notified of financial aid eligibility per an official award letter or eligibility notification, both issued 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 8, 2015. 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 RCC's 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 submitting the FAIR, 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 withdraw before completing 60 percent of a term, or if they earn a combination of all F, NP, W, or Z grades, 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 apply to declared major
- 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 credits
Half-time	6-8 credits
Less-than-half-time	1-5 credits

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 a dual enrollment non-SOU consortium agreement for other institutions. Forms are available at www.roguecc.edu/FinancialAid/Forms.

RCC 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 \$5,775 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 a Federal Pell grant to eligible dependents of those who become totally and permanently disabled or died as a result of qualified service.
 - Oregon Opportunity Grants are up to \$2,100 annually. They are awarded by the Oregon Student Access Commission (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 early FAFSA applicants may be eligible (estimated to be Feb. 1, preceeding fall enrollment). For more information, call 800-452-8807, or

visit www.osac.state.or.us/oog.html. Lifetime maximum is 12 full-time equivalent quarters.

- 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 \$1,100 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 RCC's 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.nsls.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: New borrowers as of 7-1-13 lose subsidy if program is not completed within 150% 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.

RCC 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 infor-

mation, 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

RCC's 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 certi-

cate 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@rogucecc.edu.

Veterans tuition awards

- **Oregon National Guard/Selected Reserves** – This award assists former guard and reservists who have been displaced from their worksite or career because of a unit activation or extended period of active duty. The award is available during a one-year period after date of discharge when the guard member or reservist is no longer eligible for educational benefits under the National Guard Selected Reserves (CH 1606).
The tuition award waives tuition for up to 6 credits when enrolling in up to 12 credits in a single term through RCC's buy-one, get-one-free plan. An eligible veteran is defined as a resident of the RCC District who was once, but is no longer, enlisted in the Oregon National Guard/Selected Reserves and who was honorably discharged from an extended period of active duty during that enlistment.
The period of active duty must be long enough to document with a certified DD214 for that period, and the active duty period must be for purposes other than basic training or initial skills training.
- **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 totally (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 advisors. The Dependents of Fallen Oregon Service Members form is available at www.rogucecc.edu/Enrollment/forms.

Financial Literacy

RCC 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.rogucecc.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 rogucecc.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, 541-956-7191 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 advisor 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.rogucecc.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 advisor 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 at RCC to earn a two-year degree or a minimum of 12 credits at RCC to earn a one-year 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.rogucecc.edu/LatinoServices

Educación, un Mundo de Oportunidades (EMO)

541-245-7722

EMO is a 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)

541-245-7540

HOLA is a high school-to-college bridge course designed to increase Latino students' college readiness. The week long course includes:

- Field trips
- Fun with new college friends
- Learning how to be a successful college student
- Research into college majors and careers
- Mapping which classes to take
- Identifying how to get money for college
- Earning college credits at no charge

The class also includes lunch, snacks, transportation and college gear. For more information, call 541-245-7538.

Southern Oregon Latino Scholarship Fund

www.solsf.org

The Southern Oregon Latino Scholarship Fund (SOLSf) provides opportunities for Latino and Hispanic students living in the southern Oregon region to complete their post-high school career and degree goals. Each year, with the help of generous community sponsors, SOLSF awards multiple college scholarships to students of Latino heritage.

Servicios Latinos

www.rogucecc.edu/LatinoServices

Educación, Un Mundo de Oportunidades (EMO)

541-245-7722

EMO que no tiene fines de lucro, presentará por un día solamente, una conferencia educativa para ayudar en los condados de Jackson y Josephine a estudiantes latinos de los grados 11 y 12. Esta conferencia tiene información relevante sobre la educación post secundaria y otros recursos valiosos para lograr el éxito en la Universidad y educación más avanzada.

Ayudano a Los Latinos de Oregon a Progresar (HOLA)

541-245-7540

HOLA es una clase de transición diseñado para aumentar la preparación de los estudiantes de la escuela secundaria a RCC. La clase de una semana incluye:

- Tomar viajes de estudios
- Diviértase con nuevos amigos de RCC
- Aprender a ser un estudiante universitario
- Investigar las especializaciones y carreras de la universidad / colegio
- 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.

Fundación de Becas para Latinos del Sur de Oregon

www.solsf.org

La Fundación de Becas para Latinos del Sur de Oregon (SOLSf) provee oportunidades para estudiantes latinos/hispanos que viven en la región del sur de Oregon para completar sus metas post-secundarias en sus carreras. Cada año, con la ayuda de generosos patrocinadores comunitarios, la SOLSF les otorga múltiples becas universitarias a estudiantes con herencia latina."

RCC Mobile App for Students

Rogue Community College offers a social media app for mobile devices so RCC students may communicate with each other, get important messages from the departments they choose, keep up on campus events and check course schedules, calendars, maps, study tools, virtual tours, mobile games and other services.

Provided by Oohlala, a social media company that serves many colleges, the app is free to students and is a great way for students to connect at RCC.

You can download Oohlala from the Apple AppStore or Google Play. Just choose Rogue Community College for your school.

Rogue Central

www.rogucecc.edu/Enrollment/RogueCentral.asp and RCS@rogucecc.edu

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

Registration, cashiering 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 plan payments.

Student life

www.rogucecc.edu/StudentLife

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

Rogue Community College's student life programs provide opportunities for stu-

dents 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, Club Soccer, 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 o 245-7722

El Club Latino de los condados de Josephine y Jackson son una 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.

Officers 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/TRiOEOC

- 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
- College tours and events

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

Josephine Building, Redwood Campus, 541-956-7342

TRiO/SSS assists students at the Redwood Campus 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 and financial planning
- Peer tutoring and mentoring
- Scholarship and financial aid workshops
- Study groups for college success
- Student lounge with computers and kitchen area
- University tours and cultural activities
- Tuition-free transfer classes

The TRiO Student Support Services program at Rogue Community College is funded by a federal TRiO grant that averages \$251,316 a 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

Any veteran receiving GI bill benefits while attending RCC is required to obtain transcripts from all previously attended schools and submit them for review of prior credit. Send official transcripts to:

Rogue Community College
114 S. Bartlett St.
Medford, OR 97501

Submit a Transfer Credit Evaluation request www.roguecc.edu/Enrollment/Forms for a review of prior credit.

For information about starting at RCC and obtaining veterans educational benefits, visit the RCC Veterans Services website. After applying for benefits, contact a V

veterans coordinator, who will complete an Enrollment Certification form and forward it to the VA for processing. RCC veterans coordinators are unable to determine students' eligibility for benefits.

Veterans' services are available to RCC students in Jackson and Josephine counties. Most veteran information, including the steps to starting at RCC and how to obtain Veterans Administration (VA) Education Benefits, can be found online at www.roguecc.edu/veterans.

Veterans coordinators certify student schedules with the VA, but they do not determine eligibility.

Veteran Resource Center

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

Veterans Resource Centers (VRC) are located at the Riverside and Redwood campuses. Veterans who are current RCC students staff the centers in a peer-mentorship capacity. VRCs are a central location for new or existing veteran students to receive assistance with initial activities, participate in structured study groups, obtain college and community resources, and regroup between classes.

VRCs offer veteran students a collaborative and cooperative environment from every branch and era of service. Staff assist students in navigating the RCC website and accessing their MyRogue accounts. Offered in a welcoming environment, these services help veteran students transition into the higher-education environment.

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 G.I. Bill – Active Duty Program) or chapter 33 (Post-9/11 G.I. 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.

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 Higher One ATMs provide free withdrawals for students with Higher One, Rogue debit cards. Problems with a Higher One ATM should be reported to 1-866-720-2066.

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

www.roguecc.edu/Bookstore

- 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 www.roguecc.edu/bookstore. 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 when 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 I.D. 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 can connect 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.wcstjoco.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 advo-

cacy, 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 work stations are provided for student use. Most are connected to high-quality laser and color ink-jet 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 the college's network servers. All students must have a valid computer user I.D. 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 and RCC/SOU Higher Education Center labs 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://rogucecc.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 rogucecc.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.rogucecc.edu/departments/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 rogucecc.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.

Employer services

employment.rogucecc.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 back room 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.rogucecc.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 as well as opportunities to study abroad through the Oregon International Education Consortium.

Study abroad may qualify as home enrollment for financial aid.

Learning centers

www.rogucecc.edu/ABS

- Riverside Campus Learning Center, G Building, Medford, 541-245-7701
- Illinois Valley Learning Center, Kerby Belt Building, Kerby, 541-956-7455
- Redwood Learning Center, Redwood Campus, 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

learn.rogucecc.edu/Library

- 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 between terms and on Fridays summer term. Check the library website for open hours.

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 Diamond Parking. 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)
- Riverside Campus – A, B, C and G buildings, Central Library, and the RCC/SOU Higher Education Center
- 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.

RCC 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 towers

Three emergency towers are installed on the Redwood Campus. The towers have a button that when pushed sends a call directly to 911. An overhead light indicates the call has connected. A speaker and a microphone are located on the tower through which the user can communicate with the 911 operator. Emergency towers are to be used only in case of an emergency. Once activated, only the 911 operator can shut them off.

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. Normal hours are 8 a.m. to 7 p.m. Monday through Thursday.

Student Employment Services

<https://jobs.roguecc.edu>

- 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://jobs.roguecc.edu>.

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

Student housing

RCC 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

- 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 (TTY's) 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
- Disability Services, Table Rock Campus, 541-245-7537
- Oregon Telecom Relay Service, 711

Tutoring centers

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 across from Room 149.

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/Adult Basic Skills

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, and vocabulary development.

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 RCC's 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 Building, Kerby, 541-956-7455
- Redwood Learning Center, Redwood Campus, 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 espe-

cially 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 GED exam in English or in Spanish.

GED instruction is \$65 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 1-877-392-6433. Four tests comprise the GED battery. The cost is \$38 per test. GED testing is avail-

able 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

Adult Basic Skills Department, Medford, 541-245-7579

English as a second language (ESL) instruction is \$65 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 Building, Kerby, 541-956-7455
- Redwood Learning Center, Redwood Campus, 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, aprender inglés, o prepararse para los exámenes de colocación de la universidad 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 debe 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 programas educativos de computación están disponibles, así como la serie de videos en una variedad de materias. 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 mas 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 a través 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 ó 17 años de edad deberán presentar una remisión 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, ciencias, 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

Departamento de Técnicas básicas de Adultos, Medford, 541-245-7579

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 acopian 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.

Policies

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).

Human rights

www.roguecc.edu/HumanRights

RCC values and respects the rights and dignity of all individuals. The college's Human Rights policy 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 such policy will be promptly investigated. This policy, related procedures and trained Human Rights Network representatives may be accessed through the President's Office, Human Resources, Counseling or by visiting the above-referenced website.

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, and P grades.

Academic warning status

A student will receive an academic warning if:

- 1) A student does not earn a term or cumulative GPA of 2.0, or
- 2) A student does not pass 50 percent of the credits they attempt for two consecutive terms of enrollment, or
- 3) A student earns a grade of Z, W, D, F, or NP twice for the same class.

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:

- 1) A student does not earn a term GPA of 2.0 for a second consecutive term of enrollment, or
- 2) A student does not pass 50 percent of the credits attempted for three consecutive terms of enrollment, or
- 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, or
- 4) A student earns a grade of Z, W, D, F, or NP for the same course three 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 Counseling 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, and/or
- 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, condi-

tions 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 advisor, although some may be assigned, e.g., Phi Theta Kappa. Clubs chartered by ASGRCC must have an advisor 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 advisors 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 of ORS 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 responsibilities 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 advisors 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 advisor review as noted above. Student editors and managers, in consultation with their advisors, 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 conducts 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 stu-

dents. 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 IIB 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 advisor, 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.

Use of intoxicants and controlled substances

Rogue Community College is committed to providing an environment which fosters excellence in learning for its students and community, and in work performance for all of its employees. The misuse and illegal use of alcohol and other drugs is contrary to this effort. In keeping with state and federal statutes, the illegal use, possession, distribution, manufacture, or sale of alcohol and other drugs, and/or being under the influence of alcohol and other drugs is not permitted on college owned or college controlled property, or while representing the college on business or in other college-sponsored activity. There shall be no consumption of alcohol at college-owned facilities unless such use is authorized by the president of the college.

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

Writing/Composition Skills	8 credits
Oral Communication	1 course
Math (above 100)	1 course

Fitness/Health/P.E.	3 credits
Cultural literacy	1 course
Humanities (chosen from two disciplines)	3 courses
Social Science (chosen from two disciplines)	4 courses
Science/Math/Computer Science (chosen from two disciplines; including three lab science courses)	4 courses
Electives (recommended college-level courses by major area to meet degree requirements of 90 credits)	variable credits

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 the following requirement for admission to an Oregon university:

- Two years of the same high school-level foreign language, or
- 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:

Architecture
Art
Biological Sciences
Business Administration
Chemistry
Communications
Education (elementary/secondary)
Engineering
English/Literature
Environmental Sciences/Forestry
Geology
Health/PE/Exercise Science
History

Mathematics
 Music
 Physics
 Population Health Management
 Pre-professional Medicine (Dentistry, Dental Hygiene, Medical Imaging, Medicine, Optometry, etc.)
 Psychology/Applied Psychology
 Sociology
 Contact the Counseling Department for more specific information on programs and coursework.

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

Writing/Composition	8 credits
Oral Communication	3-4 credits
Math (MTH111 or higher)	12-14 credits
Computer Applications	4 credits
Humanities (see page 44)	9-12 credits
Social Science (see page 44)	14-16 credits
Science (see page 44)	16-20 credits

Business-specific courses	15 credits
Electives	0-9 credits

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 the following requirement for admission to an Oregon university:

- Two years of the same high school-level foreign language, or
- 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 advisor 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
- Complete a minimum of 24 credits toward the degree at RCC

ASOT-Computer Science graduation requirements

Writing/Composition	8 credits
Oral Communication	3-4 credits
Math (MTH251/MTH252)	10 credits
Health/Wellness/Fitness	3 credits
Humanities (see page 44)	9-12 credits
Social Science (see page 44)	12-16 credits
Science (see page 44)	12-15 credits
Computer science-specific courses	16 credits
Electives	6-17 credits

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:

- Two years of the same high school-level language, or
- 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.

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 advisors 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 Education, Emerging Media and Digital Arts, Business, Sustainable Leadership, Human Services, Computer Programming and Software, and Health/Physical Education; and with Oregon Tech for Business, Computer Engineering Technology, Embedded Systems Engineering, Manufacturing/Engineering, Information Technology/Health Informatics, and Software Engineering Technology.

The Associate of Science degree can be earned by meeting the following requirements:

- Be admitted to the program
- Complete a minimum of 90 term credits of college transfer and career and technical courses with a minimum grade of "C" or "pass"
- 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 Library Research Methods 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.

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:

- Two years of the same high school-level foreign language, or
- 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
- Satisfactorily complete general education requirements required in all AAS degrees

These include:

Writing (composition)/Speech 6-8 credits

Introduction to Library Research Methods 1 credit

Human Relations 3 credits

First Aid/Health Math 4 credits

Cooperative Work Experience/practicum/clinical 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.)

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 (proposed)
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

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 Library Research Methods 1 credit

WR121 English Composition I	4 credits
SP100 Basic Communication or SP111 Fund. of Public Speaking or SP115 Intro to Intercultural Communication or SP218 Interpersonal Communication	3-4 credits
PSY101 Psychology of Human Relations or BT101 Human Relations in Organizations	3 credits
MTH105 Intro. to Contemporary Math or higher level math	4 credits

In addition, students must take at least 3 or 4 credits in Arts/Humanities, Science/Computer Science (including one lab science), Social Science, and Physical Education/Health for a total of 18 credits with no more than 9 credits in any one category.

The remaining 51-57 credits may be any combination of lower division transfer and career and technical courses that the student and advisor select. This degree is best suited for students whose employment goals require a blend of courses from several different college degree programs. Students pursuing this degree should keep in close contact with the Counseling Department for assistance in planning an educational program.

Finally, students must satisfy the following requirements:

- Be admitted to the program
- Complete any required prerequisites with a minimum grade of "C"
- Satisfactorily complete required general education courses
- Complete a minimum of 24 credits toward the degree at RCC

Certificate programs

Career Pathways, less than one-year, and one-year (three to four terms) certificate of 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.)

One- and two-year certificates are awarded in the following areas:

Alcohol and Drug Counselor
Automotive Specialist
Business Assistant
Clinical Lab Assistant
Computer Numerical Control Technician
Construction Trades, General Apprenticeship
Dental Assistant
Diesel Specialist
Early Childhood Education
Electrician Apprenticeship Technologies
Electronics Technician
Emergency Medical Services
Fire Officer
Fire Prevention/Investigation
Fitness Technician
Graphic Design
Health Care Informatics Assistant
High Technology Studies
Industrial Mechanics and Maintenance Technology Apprenticeship
Industrial Welding Technology
Juvenile Corrections
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.
- At least 25 percent of the total credits or a minimum of 12 credits must be completed at RCC.

Less than one-year or Career Pathways certificates are awarded in the following areas:

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 Apprenticeship
Phlebotomy (proposed)
Plant Systems Technician
Retail Management
Retail Sales and Service
Small Business Management
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

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

Career Pathways roadmap

www.roguecc.edu/Pathways

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

GETTING STARTED

Start now www.roguecc.edu/Pathways

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

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

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.

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 website listed above, and see 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. Students determine what path to take and work at their own pace to reach their career goals.

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 and are designed to complement the Associate of Arts Oregon Transfer degree, Associate of Science degrees, and/or the Oregon Transfer 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, Workforce Investment Act (WIA) eligible, less-than-one-year certificate program. It is not financial-aid eligible. Employment Skills Training is an individualized program of 12-44 credits that combines credit classes and on-the-job training. It is designed to prepare the student for entry-level employment in a specific job for which Employment Skills Training's abbreviated coursework and training is sufficient.

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 advisors 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.

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.

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 advisor 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
HPE295
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
COMM237
Communication and Gender *
COMM270
Argument and Debate
ENG104, 105, 106
Introduction to Literature
ENG107, 108, 109
World Literature *
ENG201, 202, 203
Shakespeare
ENG204, 205, 206
Survey of English Literature
ENG244
Introduction to Asian American Literature *
ENG253, 254, 255
Survey of American Literature
ENG257
African American Literature *
ENG260
Introduction to Women Writers *
ENG261
Literature of Science Fiction
ENG275
The Bible as Literature
FA101
Introduction to Motion Pictures
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
MUS205
History of Jazz
MUS206
Introduction to Rock Music
MUS261, 262, 263
History of Western Music, I, II, III
MUS264, 265, 266
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
TA164, 165, 166
Writing for 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
I. Substantive Law and Liability
CJ221
II. Constitutional Criminal Procedure
CJ243
Drugs, Crime and Addiction **

ECON201
Introduction to Microeconomics
ECON202
Introduction to Macroeconomics
GEOG100
Introduction to Physical Geography
GEOG110
Introduction to Cultural and Human Geography *
GEOG120
World Regional Geography
HST104, 105
History of World Civilization *
HST201, 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
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 America *
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
BI109
Marine Animals and Plants w/Lab
BI121, 122
Elementary Anatomy/Physiology w/Lab
BI145
Environmental Social 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

CHEM244
Quantitative Analysis
G100
Fundamentals of Geology w/out Lab
G101, 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 for a variety of purposes, integrating knowledge, skills, and strategies to select and use reading strategies appropriate to the purpose, monitor comprehension and adjust reading strategies, analyze the content and reflect on the underlying meaning, and integrate the content with prior knowledge to address the reading purpose.
2. Speak so others can understand for a variety of purposes, integrating knowledge, skills, and strategies to determine the purpose for speaking; organize information to effectively serve the purpose, context, and listener; convey information, paying attention to the conventions of oral English communication including grammar, word choice, pronunciation, register, pace, and gesture in order to minimize barriers to listener's comprehension; and use strategies to monitor whether or not the speaking purpose has been met.
3. Listen actively for a variety of purposes, integrating knowledge, skills, and strategies to determine the purpose for

listening; focus attention and choose listening strategies appropriate to the purpose; monitor comprehension, adjusting listening strategies as needed; and integrate new information with prior knowledge to address the listening purpose.

4. Use math for a variety of purposes, integrating knowledge, skills, and strategies to identify a question or situation that can use a mathematical approach; apply life experiences and knowledge of mathematical concepts, procedures, and technology to figure out how to answer a question, solve a problem, make a prediction, or carry out a task that has a mathematical dimension; understand, interpret, and work with concrete objects and symbolic representations (e.g., pictures, numbers, graphs, computer representations); identify information needed for the situation, including distinguishing between relevant and irrelevant information; determine the degree of precision best suited to the situation; estimate to predict results and to check to see if results are reasonable; and communicate reasoning and results in a variety of ways such as words, graphs, charts, tables, and algebraic models.

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 descriptively 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 and professional situations.
4. Produce a professionally written technical report and follow all parts of the technical writing process (AAS and ASOT in Business degrees).
5. Apply basic business math and accounting principles 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 completing 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. Develop and apply a framework for ethical decision-making in the student's chosen career.
2. Analyze key considerations in a plan to address a particular crime problem based on a specific theory of crime or based on a crime typology.

3. Recognize the importance of integrating social, education, civic, religious, and legal resources in an attempt to prevent criminality among youth.
4. Display appropriate interpersonal communication skills to promote understanding and facilitate problem-solving among diverse groups in the community.
5. Demonstrate the ability to research issues, gain historical context, and apply procedural law to current problems of justice administration and in order to effectively perform duties associated with employment in the justice system.
6. Apply knowledge and skills related to rules of evidence along with effective development and presentation of evidence in trial settings.

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 compliancy 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 for self, others and equipment.
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.
8. Demonstrate life-long learning towards professional growth.
9. Negotiate and abide by the terms of agreement that define their employment.

Emergency Medical Services

1. Describe the history and current structure of EMS systems of care.
2. Demonstrate an understanding of key principles of emergency care.
3. Apply concepts learned in the classroom to the assessment and management of simulated patients in the lab setting.
4. Demonstrate effective teamwork in

managing simulated emergency scenarios

5. Demonstrate effective communication, cultural competency, and conflict intervention skills to intervene in crises.
6. Perform an adequate patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.
7. Demonstrate leadership in the management of multiple personnel on emergency scenes.
8. Understand and follow workplace expectations regarding attendance, safety, conduct, and professionalism.
9. Describe and use defensive and safe driving techniques in the operation of ambulances and emergency vehicles.
10. Demonstrate safe work practices in a variety of specific rescue situations including rope, water, wilderness, and confined space rescue.
11. Demonstrate the importance of maintaining an attitude that stresses personal effectiveness, self-control, empathy, and safety in responding to crisis.
12. Implement strategies to address the impact of stress and emotional trauma experienced by persons who intervene in crisis situations.

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. Identify the effects of psychosomatic and spiritual health on the human body systems.
5. Demonstrate proficient understanding of rules and etiquette for sport or activity to encourage lifelong physical engagement in the wellness activity.
6. 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. Apply critical reading, writing, and thinking skills to issues within the Humanities and in other disciplines.
5. Engage in critical discourse beyond the classroom, understanding the interdependent, culturally diverse world we live in.

Human Services

1. Apply principles of ethical decision making in the human services field and practice ethical behavior in relation to self and others within the helping relationship.
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.

9. Actively engage in continuing education, lifelong learning and pro-active self-care.

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.

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.

Massage Therapy

1. Communicate clearly and effectively in a professional manner with clients, members of the healthcare 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 profes-

sion, 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 those 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.

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.

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 healthcare 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.

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.

Welding

1. Demonstrate a personal adoption of the “culture of safety” in the classroom and the welding lab.
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 and GMAW 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. Layout and fabricate industry-quality fabrication projects using shearing and forming equipment.

Workforce Training

1. Demonstrate workforce skills that can be taken immediately into the flow of commerce.



Transferring

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 advisors 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.

RCC 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, 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.

OUS residency requirements

Oregon University System (OUS) schools classify people who move to Oregon to attend school as non-residents even if they have lived here for a year and attended a community college as an in-state resident. To plan your transfer education, visit www.ous.edu/stucoun/prospstu/files/residencepolicies.pdf.

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 as a "block transfer" enabling students to enter as juniors with all lower division general education requirements completed. Students may be required to complete additional upper-division general education courses (courses numbered 300-400) at their transfer institutions. The AAOT, however, allows students flexibility in choosing courses to not only meet general education requirements but also courses required in their chosen academic majors.

The AAOT is not always the best choice for all majors. Some students may need

to transfer after only one year at RCC in order to take essential lower-division major coursework required for the major that are offered only at the transfer school. Students should consult with their academic advisors 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.

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 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).

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 advisor for more information.

Associate of Science specific program articulations (AS degree)

RCC offers the Associate of Science degree 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 advisors 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)
- Multimedia (articulated with SOU)
- Software Engineering Technology (articulated with Oregon Tech)
- Sustainable Leadership (articulated with SOU)

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 advisors 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 advisors 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 visit www.capella.edu/rogue.

Centralia College

Students successfully completing RCC's 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 RCC's 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 RCC's 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 RCC's 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 pre-professional prerequisites for Dental Hygiene, Emergency Medical Services Management, Healthcare Management, Medical Imaging Technology, and Health Sciences programs at Oregon Tech.

Students earning an Associate of Arts Oregon Transfer degree may transfer to the Bachelor of Science degree in Population Health Management at Oregon Tech. For more information contact RCC's 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 advisor, 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 through 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 advisor for more information or visit www.sou.edu/degreecompletion.

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.

RCC students transferring 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 advisor, Community College Partnerships, University of Phoenix at 503-382-7449 or lori.silverman@apollo.edu.

Transfer advising and articulations

Transfer Subjects	Phone	Degree or Direct Transfer	Transfer Agreements
Architecture	541-956-7490 or 541-245-7527	AGS or Direct	
Art	541-956-7490 or 541-245-7527	AAOT, AGS or Direct	
Biological Sciences	541-956-7066 or 541-245-7527	AAOT, AGS or Direct	
Business Administration	541-956-7066 or 541-245-7527	ASOT, AS or Direct	Southern Oregon University
Business Management (Entrepreneurial/ Small Business Option)	541-956-7066 or 541-245-7527	AS or Direct	Oregon Tech
Business – Oregon Transfer	541-956-7066 or 541-245-7527	ASOT or Direct	
Chemistry	541-956-7066 or 541-245-7527	AAOT, AGS or Direct	
Communications/Speech/Journalism	541-956-7140 or 541-245-7504	AAOT or Direct	
Computer Engineering Technology	541-956-7213 or 541-245-7527	AS or Direct	Oregon Tech
Computer Programming and Software	541-956-7213 or 541-245-7527	AS or Direct	Southern Oregon University
Criminology	541-245-7965	AS	Southern Oregon University
Dental Hygiene	541-956-7066 or 541-245-7527	AGS or Direct	Oregon Tech
Diesel Technology	541-245-7809	AAS or Direct	Centralia College
Early Childhood Development	541-956-7066 or 541-245-7504	AS	Southern Oregon University
Education (Elementary, Secondary)	541-956-7066 or 541- 245-7504	AS, AAOT or Direct	Southern Oregon University
Emergency Medical Services Management	541-245-7965	AAS or Direct	Oregon Tech
Emerging Media and Digital Arts	541-956-7213 or 541-245-7527	AS or Direct	Southern Oregon University
Embedded Systems Engineering	541-245-7809	AS or Direct	Oregon Tech
Engineering	541-956-7066 or 541-245-7527	AGS or Direct	
English/Literature	541-956-7140 or 541-245-7504	AAOT, AS or Direct	
Environmental Science/Forestry	541-956-7066 or 541-245-7527	AAOT, AGS or Direct	
Fire Services Administration	541-245-7965	AAS or Direct	Eastern Oregon University
Geology	541-956-7066 or 541-245-7527	AAOT, AGS or Direct	
Health/Physical Education /Exercise Science	541-956-7192 or 541-245-7552	AS, AAOT or Direct	Southern Oregon University
History	541-956-7066 or 541-245-7504	AAOT or Direct	
Homeland Security and Emergency Management	541-245-7965	AAS or Direct	University of Alaska/Fairbanks
Human Services	541-245-7504	AAS, AS	Southern Oregon University, Portland State University
Information Technology/Health Informatics	541-956-7213 or 541-245-7527	AS or Direct	Oregon Tech
Manufacturing/Engineering Technology	541-245-7902	AAS, AS	Oregon Tech
Mathematics	541-956-7213 or 541-245-7527	AAOT or Direct	
Medical Imaging Technology	541-956-7066 or 541-245-7504	AGS or Direct	Oregon Tech
Music	541-956-7140 or 541-956-7054	AAOT or Direct	
Nursing (OHSU)	541-956-7308	AGS, AAS or Direct	
Occupational Therapy	541-245-7846 or 541-245-7845	AAS	Linn-Benton Community College
Population Health Management	541-245-7504 or 541-956-7066	AAOT or Direct	Oregon Tech
Physics	541-956-7066 or 541-245-7527	AGS or Direct	
Pre-Professional Medicine (Dentistry, Medicine, Optometry, Pharmacy, Veterinary Medicine)	541-956-7066 or 541-245-7527	AGS or Direct	
Pre-Physical Therapy	541-956-7066 or 541-245-7527	AAOT, AGS or Direct	
Psychology/Applied Psychology	541-956-7066 or 541-245-7504	AAOT or Direct	Oregon Tech
Physical Therapy	541-245-7846 or 541-245-7845	AAS	Lane Community College
Respiratory Care	541-245-7504	AGS or Direct	Oregon Tech
Sociology/Social Work	541-956-7066 or 541-245-7504	AAOT or Direct	
Software Engineering Technology	541-956-7213 or 541-245-7527	AS or Direct	Oregon Tech
Sustainability Leadership	541-245-7508	AS or Direct	Southern Oregon University

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.

	Focus award	Less than 1-year certificate	Career Pathways certificate	1- or 2-year certificate	AAS degree	AAOT degree	AGS degree	AS degree	AS/OT degree
Accounting				78					
Adobe® Applications Technician		131							
Alcohol and Drug Counselor			62	137					
Architecture						62			
Art					63	63			
Associate of Arts Oregon Transfer					63				
Associate of General Studies						65			
Automotive Specialist			66						
Automotive Technology				67					
Biology					70				
Business and Information Specialist		73							
Business Assistant			72						
Business Management				78			77 80	70	
Business Technology				78					
Chemistry					81				
Clinical Lab Assistant	81								
Commercial Truck Driving	83								
Communications/Speech/Journalism					83				
Computer Engineering Technology							83		
Computer Numerical Control (CNC) Operator		150							
Computer Numerical Control (CNC) Technician			151						
Computer Programming and Software							86		
Computer Science								87	
Computer Software Specialist		89							
Computer Support Technician				88					
Construction Trades, General Apprenticeship			93	92					
Criminal Justice				93					
Criminology							95		
Customer Service		74							
Dental Assistant			96						
Diesel Specialist			98						
Diesel Technology				99					
Early Childhood Development							100		
Early Childhood Education		106 107	105	103					
Electrician Apprenticeship Technologies	110		109	108					
Electronics Technician			110						
Electronics Technology				112					
Elementary Education					108		113		
Embedded Systems Engineering Technology							116		
Emergency Medical Services		118	117						
Emerging Media and Digital Arts							119		
Employment Skills Training	121								
Engineering						122			
English/Literature					122				
Environmental Sciences/Forestry					122				
Family Support Services				122					
Fire Officer			123						
Firefighter		125							

	Focus award	Less than 1-year certificate	Career Pathways certificate	1- or 2-year certificate	AAS degree	AAOT degree	AGS degree	AS degree	AS/OT degree
Fire Prevention/Investigation				123					
Fire Science				124					
Fitness Technician			126						
Geology					127				
Graphic Design			131	130	129				
Health Care, Basic		69							
Health Care Informatics				132	90				
Health/Exercise Science/Physical Education					133		133		
High Technology Studies			136	135					
History					137				
Human Services				62	137		138		
Industrial Mechanics/Maintenance Technology Apprenticeship			141	141	140				
Industrial Welding Technology			144	143	142				
Information Technology/Health Informatics							145		
Juvenile Corrections				147					
Landscape Technician		148							
Limited Electrician Apprenticeship Technologies		110							
Manufacturing/Engineering Technology			150	151	149		152		
Marketing					78				
Massage Therapy			155	154					
Mathematics					156				
Mechanical Maintenance Apprenticeship			141						
Medical Assistant		156							
Microcontroller Systems Technician				158					
Music					159				
Nursing					159				
Occupational Skills Training				161					
Occupational Therapy Assistant					162				
Paramedicine					164				
Phlebotomy (proposed)			158						
Physical Therapy Assistant					165				
Physics					165				
Plant Systems Technician			136						
Population Health Management					166				
Practical Nursing				166					
Pre-dental Hygiene						167			
Pre-medical Imaging						167			
Pre-professional Medicine (Dentistry, Medicine, Optometry, Pharmacy, Veterinary)						168			
Psychology					168				
Renewable Energy Technician				168					
Retail Sales, Management		169	75						
Small Business Management/Entrepreneurship			76				77		
Sociology/Social Work					170				
Software Engineering Technology							170		
Sustainability Leadership/Community Development	173						171		
Web Development					173				
Website Assistant			174						
Website Design				131					
Website Development		176							
Welder's Helper			144						

Alcohol and Drug Counselor Certificate of Completion

About the Program

Alcohol and Drug Counselor is a one-year 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 addictions 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 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 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 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 a Human Services Department advisor to determine placement.

Prerequisites ¹

Course No.	Course Title	Credits
CS _____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ²	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math or higher level math	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I or higher level composition	4
Total Prerequisite Credits		15-19

Required Courses

Course No.	Course Title	Credits
HE208	HIV and Infectious Diseases ³	1
HS100	Introduction to Human Services	3
HS115	Principles of Client Record Management	1
HS155	Interviewing Theory and Techniques	4
HS158	Trauma-informed Care: Theory and Practice	3
HS268	Co-occurring Disorders: Introductory Theory and Counseling	3
HS170	Introduction to Practicum	3
HS175	Ethics for Counselors	1
HS202	Counseling the Chemically Dependent Client I	3
HS210	Motivational Interviewing	3
HS260	Group Counseling	4
HS261G	Human Services Practicum and Seminar ⁴	7
PSY219	Introduction to Abnormal Psychology ⁵	4
PSY231	Human Sexuality or HS204 Counseling Chemically Dependent Client II or SOC230 Introduction to Gerontology or PSY228 Introduction to Positive Psychology	3-4
SOC213	Race and Ethnicity in America	4
SOC243	Drugs, Crime and Addiction	4

TOTAL PROGRAM CREDITS

51-52

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 out 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 Oregon800-411-6508, Ext. 7504
emailchenney@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.

Course No.	Course Title	Credits
ART115*	Basic Design I	3
ART116*	Basic Design II	3
ART204	Art History I	4
ART205	Art History II	4
ART206	Art History III	4
MTH111	College Algebra	4
MTH112	Elementary Functions	4
PH201*	General Physics I with lab and recitation	5
PH202*	General Physics II with lab and recitation	5

PH203*	General Physics III with lab and recitation	5
WR121	English Composition I	4
WR122	English Composition II	4

*University-recommended courses. Check with the specific transfer school for more details.

Oregon public universities offering degrees in architecture:

Portland State University	www.pdx.edu
University of Oregon	www.uoregon.edu

Art Interest

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.

Course No.	Course Title	Credits	AAOT Category
ART115	Basic Design I	3	Elective
ART116	Basic Design II	3	Elective
ART204	History of Art I	4	Humanities
ART205	History of Art II	4	Humanities
ART206	History of Art III	4	Humanities
MTH111	College Algebra	4	Math
SPAN201	Second Year Spanish I	4	Humanities
SPAN202	Second Year Spanish II	4	Humanities
SPAN203	Second Year Spanish III	4	Humanities

Note: Three courses required in the humanities category. Additional courses would count as electives.

These courses are recommended for all AAOT Art Interest students as they are generally required for any OUS School:

ART131 Introduction to Drawing I (Value) or ART132 Introduction to Drawing II (Line)

ART253 Introduction to Ceramics I

ART276 Sculpture I

ART281 Painting I

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

Art Interest

Associate of General Studies Degree

A total of 90 credits are required to complete the 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.

This course of study is designed to provide a foundation for students planning to transfer to private art schools such as the Oregon College of Art and Craft in Portland, and for students wanting to develop their portfolios and depth of expertise within different mediums. Requirements at different

schools vary, so students should consult their programs of interest for more specific guidance.

Course No.	Course Title	Credits
ART115	Basic Design I (Composition)	3
ART116	Basic Design II (Color Theory)	3
ART131	Introduction to Drawing (Value)	3
ART132	Introduction to Drawing (Line)	3
ART198	Independent Study: Portfolio	1
ART204	History of Art I	4
ART205	History of Art II	4
ART206	History of Art III	4
ART234	Figure Drawing I	3
ART237	Illustration I (Black and White Media)	3
ART253	Ceramics I	3
ART257	Beginning Jewelry and Metalsmithing	3
ART276	Sculpture I or ART291 Welded Steel Sculpture	3
ART281	Painting I	3
ART294	Watercolor I	3
—	Advanced studio courses (ART282/283 Painting II, III, ART277/278 Sculpture II, III, ART235/236 Figure Drawing II, III, ART254/255 Ceramics II, III, ART258/259 Intermediate/ Advanced Jewelry and Metalsmithing, ART296/295 Watercolor II, III, ART238/239 Illustration II, III)	9-12
CS120	Concepts in Computing I with lab	4
GD120	Digital Graphic Design I	3
LIB127	Introduction to Library Research	1
MTH105	Introduction to Contemporary Math or higher	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I	4
—	Lab Science	4
—	Social Science	4
—	Physical Activity Course	3

Associate of Arts

Oregon Transfer Degree

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

Course No.	Course Title	Credits
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Writing Skills (minimum 8 credits required)

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 (minimum one course required)

SP100	Basic Communication ¹	3
SP111	Fundamentals of Public Speaking	4
SP115	Intercultural Communication ²	4
SP218	Interpersonal Communication	4

Mathematics (minimum one course required; prerequisite: MTH95 or MTH96)

MTH105	Introduction to Contemporary Mathematics ³	4
MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH211,212,213	Fundamentals of Elementary Math I, II, III	5-5-5
MTH243	Probability and Statistics ³	4
MTH244	Inferential Statistics	4
MTH251,252,253	Calculus I, II, III	5-5-5
MTH254	Vector Calculus	5
MTH256	Differential Equations	5
MTH261	Linear Algebra	5

Fitness/Health/Physical Education (minimum one or more courses totaling at least 3 credits)

HE112	Emergency First Aid	1
HE199	Special Studies	1
HE208	HIV and Infectious Diseases	1
HE250	Personal Health	3
HE252	First Aid/CPR	3
HE253	Wilderness First Aid/CPR	3
HE259	Care and Prevention of Athletic Injury	3
HE261	CPR	1
HPE295	Health and Fitness for Life	3
PE185	Activity Courses	1-3
PE291	Life Guard Training	2
PE292	Water Safety Instructor	2
PE199	Special Studies	variable

Discipline Studies Requirements

Course No.	Course Title	Credits
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Humanities Requirement (minimum three courses from the following list chosen from at least two disciplines) ³

ART204,205,206	History of Art I, II, III ²	4-4-4
ART211	Survey of Visual Arts ²	3

COMM225	Small Group Communication	4
COMM237	Communication and Gender ²	4
COMM270	Argumentation and Debate	3
ENG104,105,106	Introduction to Literature	4-4-4
ENG107,108,109	World Literature I, II, III ²	4-4-4
ENG201,202,203	Shakespeare I, II, III	4-4-4
ENG204,205,206	Introduction to English Literature I, II, III	4-4-4
ENG244	Introduction to Asian American Literature ²	4
ENG253,254,255	Survey of American Literature I, II, III	4-4-4
ENG257	African American Literature ²	4
ENG260	Introduction to Women Writers ²	4
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III ⁴	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III ²	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures ²	4-4-4-4-4
IS110	Introduction to International Studies I ²	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	History of Rock I, II, III	3-3-3
PHL101,102,103	Philosophical Problems, Ethics, Critical Reasoning	4-4-4
REL201	World Religions ²	4
REL243	Nature, Religion and Ecology ²	4
SP100	Basic Communication ^{1,5}	3
SP111	Fundamentals of Public Speaking ⁵	4
SP115	Intercultural Communication ^{2,5}	4
SP218	Interpersonal Communication ⁵	4
SPAN201,202,203	Second Year Spanish I, II, III ⁴	4-4-4

Social Science Requirement (at least four courses from the following list chosen from at least two disciplines)

ANTH110	Introduction to Cultural Anthropology ²	4
ANTH150	Introduction to Archaeology	4
CJ100	Foundations and Ethics in Criminal Justice	4
CJ214	Crime, Justice and Diversity	4
ECON201	Principles of Microeconomics	4
ECON202	Principles of Macroeconomics	4
GEOG110	Introduction to Cultural/Human Geography ²	3
GEOG120	World Regional Geography	3
HST104,105	History of World Civilization I, II ²	4-4
HST201,202	History of the United States I, II	4-4
PS201,202, 203	U.S. Government I, II, III	3-3-3
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction Abnormal Psychology (not recommended for psychology majors)	4
SOC204,205	Introduction to Sociology, American Society ²	4-4
SOC213	Race and Ethnicity in America ²	4
SOC218	Sociology of Gender ²	3
SOC221/CJ201	Juvenile Delinquency	4
SOC228	Environment and Society	4
SOC235	The Chicano/Latino Historical Experience ²	4
SOC243/CJ243	Drugs, Crime and Addiction	4
SOC244/CJ101	Introduction to Criminology	4

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)

BI101,102,103	Introduction to Biology I, II, III with lab (non-majors)	4-4-4
BI109	Marine Animals and Plants with lab	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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
CS160	Introduction to Computer Science	4
CS161,162	Computer Science I, II	4-4
CS233b	Visual Basic II	4
CS233js	JavaScript II	4
CS233r	Ruby on Rails Programming	4
CS233u	Advanced C++ Programming	4
CS260	Data Structures I	4
G101,102,103	Introduction to Geology I, II, III 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
GS161 *	Regional Field Studies (includes lab)	4
GS170 *	Regional Field Geology (includes lab)	3
MTH105	Introduction to Contemporary Mathematics ⁶	4
MTH111	College Algebra ⁶	4
MTH112	Elementary Functions ⁶	4
MTH211,212,213	Fundamentals Elementary Math I, II, III ⁶	5-5-5
MTH243	Probability and Statistics ⁶	4
MTH244	Inferential Statistics ⁶	4
MTH251,252,253	Calculus I, II, III ⁶	5-5-5
MTH254	Vector Calculus ⁶	5
MTH256	Differential Equations ⁶	5
MTH261	Linear Algebra ⁶	5
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
SC210	Environmental Resources with lab	4

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 (capstone), not an exploratory experience, and should be completed within the last two terms of the degree. See an advisor for more information.

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.

For more information contact a counselor or an advisor:

Grants Pass 541-956-7190
Medford 541-245-7764
Toll free in Oregon 800-411-6508
email keccleston@rogucecc.edu
Web address www.rogucecc.edu
TTY Oregon Telecom Relay Service, 711

Associate of General Studies Degree

About the Program

The Associate of General Studies degree is a two-year program designed to provide students the 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.

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.rogucecc.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. 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. College Now credit will be accepted in accordance with current agreement.

Graduation Requirements

The Associate of General Studies degree will be awarded to students who complete a minimum of 90 credit hours of college transfer and career and technical courses from the curriculum listed. Students must receive a grade of "C" or better in all coursework. 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.

General Education Requirements

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
LIB127	Introduction to Library Research Methods	1
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
SP100	Basic Communication ² or SP111 Fundamentals of Public Speaking or SP115 Introduction to Intercultural Communication or	

MTH105	SP218 Interpersonal Communication	3-4
	Introduction to Contemporary Math ³ or	
	MTH111 College Algebra or	
	MTH243 Probability and Statistics with lab ³ or	
	MTH211 Fundamentals of Elementary Math or	
WR121	MTH251 Calculus I (Differential) with lab or higher level math	4-5
	English Composition I	4
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.

Course No.	Course Title	Credits
—	Art/Humanities	3-9
—	Science/Computer Science (one lab science is required)	4-9
—	Social Science	3-9
—	Physical Education/Health	3-9
Minimum Total Required Core Credits		18

Other Requirements

Course No.	Course Title	Credits
—	Lower division transfer and career and technical courses	51-57
Total Other Credits		51-57
TOTAL PROGRAM CREDITS		90

¹ Students are required to take an approved 3-4 credit computer science class, CS120 or above or otherwise document proficiency. Successful completion of CS120 within the last 10 years fulfills this requirement.

² SP100 may not be accepted if students do not complete this degree before transferring to an Oregon University. See an advisor for more information.

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.

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 (capstone), not an exploratory experience, and should be completed within the last two terms of the degree. See an advisor for more information.

For more information contact a counselor or an advisor at:

Grants Pass	541-956-7190
Medford	541-245-7764
Toll free in Oregon	800-411-6508
email	keccleston@rogucecc.edu
Web address	www.rogucecc.edu
TTY	Oregon Telecom Relay Service, 711

Automotive Specialist Certificate of Completion

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.rogucecc.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.rogucecc.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 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 "C" or better grade earned.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-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

0-11

General Education Requirements

Course No.	Course Title	Credits
CS___	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
WR121	English Composition I	4
HE112	Emergency First Aid or HE261 CPR or HE252 First Aid/CPR	1-3

Total General Education Requirements

12-18

Technical Requirements

Course No.	Course Title	Credits
First Term		
AM122	Gasoline Engines Rebuild	7
AM120	Automotive Maintenance and Trades Practices	6
		13
Second Term		
AM111	Electricity for Automotive Technicians	7
AM131	Engine Dynamics and Diagnosis	7
		14
Third Term		
AM141	Manual Transmissions and Axles	6

AM151	Automotive Brake Systems	6 12
Fourth Term		
AM190	Automotive Repair Lab I	4 4

Total Technical Credits **43**
TOTAL PROGRAM CREDITS **55-61**

¹ Successful completion of CS120, or otherwise meeting the proficiency requirement within the last 10 years, fulfills this requirement.

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 adowell@roguecc.edu
Web address www.roguecc.edu/automotive
TTY Oregon Telecom Relay Service, 711

Automotive Technology

Associate of Applied Science Degree

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>.

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. 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-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 **0-11**

General Education Requirements

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS120	Concepts in Computing I with lab or higher level course or documented computer proficiency ¹ and GS104 Physical Science with lab or approved science elective or PH201 General Physics I with lab and recitation	4-5
LIB127	Introduction to Library Research Methods	1
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
HE112	Emergency First Aid or HE261 CPR	1
WR121	English Composition I	4
SP100	Basic Communication or SP111 Fundamentals of Public Speaking or SP218 Interpersonal Communication or WR122 English Composition II	3-4

Total General Education Credits **20-22**

First Year Technical Requirements

Course No.	Course Title	Credits
First Term		
AM122	Gasoline Engines Rebuild	7
AM120	Automotive Maintenance and Trades Practices	6 13
Second Term		
AM111	Electricity for Automotive Technicians	7
AM131	Engine Dynamics and Diagnosis	2 14
Third Term		
AM141	Manual Transmissions and Transaxles	6
AM151	Automotive Brake Systems	6 12
Fourth Term		
AM190	Automotive Repair Lab I ²	4
AM270	Air Conditioning for Automotive Technicians	5 9

Total First Year Credits **48**

Second Year Technical Requirements ³

Course No.	Course Title	Credits
Fifth Term		
AM160	Automotive Suspension and Steering Systems	6
AM232	Computerized Engine Management Systems	7 13



Sixth Term

AM233	Advanced Automotive Computer Systems	7
AM242	Automatic Transmissions and Transaxles	2
		14

Seventh Term

AM210	Mechanical Careers Development or BA109 Ready, Set, Work: Techniques for Landing a Job	2-3
AM252	Advanced Diagnostic Lab	4
AM280	Cooperative Work Experience/Automotive or AM290 Automotive Repair Lab II ²	4
		10-11

Total Second Year Credits **37-38**
TOTAL PROGRAM CREDITS **105-108**

Approved Program Electives

Course No.	Course Title	Credits
AM199	Selected Topic Workshop	1-3

¹ 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.

² Can be taken anytime during the program with permission of advisor.

³ Students must be making progress in completing general education requirements prior to entry into the second year.

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 adowell@rogucecc.edu
Web address www.rogucecc.edu/Automotive
TTY Oregon Telecom Relay Service, 711

Basic Health Care Certificate of Completion

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 career 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.rogucecc.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.rogucecc.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. It is important that students work closely with an advisor to select courses appropriate to their career goals. 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 Allied Health director'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 director 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-12**

Required Courses

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI100SB	Biology of Human Body Systems ¹ or BI121 Elementary Anatomy and Physiology I with lab or BI231 Human Anatomy and Physiology I with lab	3-4
CG155	Exploring Careers in Health Care ² or PSY101 Psychology of Human Relations or BT101 Human Relations in Organizations	3
CS120	Concepts in Computing I or documented computer proficiency ³	0-4
HE261	CPR or HE112 Emergency First Aid or HE250 Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life or PSY215 Life Span Human Development	1-4
HCI120	Introduction to Health Care Industry ²	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
WR115	Introduction to Expository Writing or BT113 Business English I or higher level composition	3-4
—	Approved specialty track electives	6-10

TOTAL PROGRAM CREDITS **26-39**

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.

Clinical Lab Assistant (9 credits)

BI211	General Biology I with lab	4
CHEM104	Introductory Chemistry I with lab and recitation	5

Community Health Worker (6 credits)

HC100	Community Health Worker	6
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Dental Assisting (Choose 8-9 credits)

BI211	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)

ES131	Emergency Medical Technician Part I	4
ES131L	Emergency Medical Technician Part I Lab	1
ES132	Emergency Medical Technician Part II	4
ES132L	Emergency Medical Technician Part II Lab	1

Fitness Technician ¹ (8 credits)

SOC230	Introduction to Gerontology or PSY215 Life Span Human Development (if not taken as part of core)	4
NFM225	Nutrition	4

Health Care Informatics (6 credits)

HCI210	Legal Aspects of Medical Records	3
HCI255	Introduction to Health Care Informatics	3

Human Services (Choose 7-8 credits)

CJ243/SOC243	Drugs, Crime and Addiction	4
HS158	Trauma-informed Care: Theory and Practice	3
SOC230	Introduction to Gerontology	4
PSY201	General Psychology I	4

Massage Therapy ^{1, 4} (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	2
MT101	Asian Bodywork I ⁴	2
NFM225	Nutrition	4

Medical Assistant (Choose 6-10 credits)

AH110	Medical Terminology: Clinical	3
BA240	Filing and Records Management	3
SOC230	Introduction to Gerontology	4
HCI100	Community Health Worker	6
ED120	Leadership I (Health Care)	1
ED121	Leadership II (Health Care)	1
ED122	Leadership III (Health Care)	1

Nursing ¹ (Choose 8 credits)

NFM225	Nutrition	4
PSY201	General Psychology I	4
BI211	General Biology I with lab	4
SP111	Fundamentals of Public Speaking	4

Nursing Assistant or Practical Nursing ¹ (9 credits)

Course No.	Course Title	Credits
NA101/NA101C	Nursing Assistant	9

¹ Some programs require higher-level anatomy and physiology coursework (BI121/BI122 or BI231/BI232/BI233). See specific program graduation guides for details.

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.

For more information contact the Allied Health Department:

Grants Pass or Medford 541-245-7845
Toll free in Oregon 800-411-6508, Ext. 7845
email dpflieger@roguecc.edu
Web address www.roguecc.edu/alliedhealth
TTY Oregon Telecom Relay Service, 711

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.

Course No.	Course Title	Credits	AAOT Category
BI211	General Biology I with lab	4	Science
BI212	General Biology II with lab	4	Science
BI213	General Biology III with lab	4	Science
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
MTH251	Calculus I	5	Math
MTH252	Calculus II	5	Math
PH201	General Physics I with lab and recitation	5	Science
PH202	General Physics II with lab and recitation	5	Science
PH203	General Physics III with lab and recitation	5	Science
WR227	Technical Writing	4	Elective

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

Course No.	Course Title	Credits
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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
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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
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Total General Requirements 27-30

Distribution Requirements 39-48

Course No.	Course Title	Credits
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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 16-20

Complete four courses from at least two disciplines/prefixes, three of which must be lab courses.

BI100GB	Introductory Biology without lab	3
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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

Total Distribution Requirements 39-48

Electives 0-8

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 can 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 90-102

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	atemple@rogucc.edu or bfederickson@rogucc.edu
Web address	www.rogucc.edu/business
TTY	Oregon Telecom Relay Service, 711

Business Assistant Certificate of Completion

About the Program

The Business Assistant one-year 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
BA130	Concepts in Computing I or documented proficiency ¹	0-2
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-14

Required Core Courses

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BA131	Introduction to Business Computing	4
BA218	Personal Finance	3
BT101	Human Relations in Organizations	3
BT113	Business English I ²	4
BT114	Business English II ²	4
BT151	Practical Accounting I	4

BT160	Business Math	4
BT178	Customer Service	3
CS125ss	Spreadsheet Applications	3
CS125ww	Word Processing Applications	3
LIB127	Introduction to Library Research Methods	1

Total Required Core Credits 38

Students enrolled in the Business Assistant program must select one of the following specialties:

Accounting Assistant Specialty Track

Course No.	Course Title	Credits
BA177	Payroll and Tax Procedures	3
BA228	Computer Accounting Applications	2
BT161	Practical Accounting II	4
BT171	Practical Accounting III	4
		13

Administrative Support Specialty Track

Course No.	Course Title	Credits
BA214	Business Communications	4
BA240	Filing and Records Management	3
BT115	Editing and Proofreading	3
—	Approved program elective	2-4
		12-14

Assistant Manager Specialty Track

Course No.	Course Title	Credits
BA101	Introduction to Business	4
BA226	Business Law	4
BT102	Introduction to Supervision	3
—	Approved program elective	2-4
		13-15

TOTAL PROGRAM CREDITS 50-53

Approved Program Electives

(2-4 credits required for both the Administrative Support Specialty and the Assistant Manager Specialty)

Course No.	Course Title	Credits
BA101	Introduction to Business (if not taken as part of Assistant Manager Specialty) ³	4
BA180	Cooperative Work Experience/Business	1-4
BA199	Special Studies in Business	variable
BA206	Management Fundamentals	3
BA211	Financial Accounting	4
BA213	Managerial Accounting	4
BA214	Business Communications (if not taken as part of Administrative Assistant Specialty)	4
BA223	Principles of Marketing	3
BA226	Business Law (if not taken as part of Assistant Manager Specialty)	4
BA228	Computer Accounting Applications (if not taken as part of Accounting Assistant Specialty)	2
BA233	Internet Marketing	3
BA243	Social Media Marketing	3
BA249	Retail Management	3
BT102	Introduction to Supervision (if not taken as part of Assistant Manager Specialty)	3
BT105	Business Ethics	3
BT106	Advertising	3
BT111	Conflict Management	2
BT121	Introduction to e-Commerce	3
BT165	Writing a Business Plan	2
BT204	Project Management	4
BT250	Entrepreneurship	3

CS125	Any CS125 application class not taken to fulfill core or specialty requirements	1-4
ECON115	Introduction to Economics	3
WR185	Understanding English Grammar	2
—	Any foreign language	4

¹ Required for graduation.

² Students who have successfully completed the 3-credit versions of BT113 and BT114 will have met this requirement.

³ 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	atemple@rogucecc.edu or bfrederickson@rogucecc.edu
Web address	www.rogucecc.edu/business
TTY	Oregon Telecom Relay Service, 711

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 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 certificate or degree in computer science (see note 1 under required core courses).

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.rogucecc.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.rogucecc.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 (over five years old for computer science classes). 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.rogucecc.edu/Programs/CareerPathways.

Customer Service — Career Pathways Certificate (29 credits)

- Cashier¹
- Customer service representative¹

Retail Sales and Service — Career Pathways Certificate (28 credits)

- Counter and rental clerk¹
- Retail salesperson¹
- Stock clerk and order filler¹

Business and Information Specialist — Career Pathways Certificate (31 credits)

- Call center operator¹
- File clerk¹
- General office clerk¹
- Office machine operator¹
- Receptionist and information clerk¹

Retail Management — Certificate of Completion (31 credits)

- Assistant manager¹
- Retail sales supervisor¹

Small Business Management — Career Pathways Certificate (42 credits)

- Small business manager¹
- Retail sales supervisor¹

Business Assistant, Certificate of Completion (50-53 credits), Assistant Manager Specialty Track

- Supervisor¹
- Retail manager¹
- Assistant manager¹

Administrative Support Specialty Track

- Human resources assistant¹
- Office and Administrative support worker¹
- Secretary¹
- Telemarketer¹

Accounting Assistant Specialty Track

- Accountant/bookkeeper¹
- Payroll and time keeper clerk¹

Business Technology, Associate of Applied Science (AAS) (90-94 credits)

- Department manager¹
- Office manager¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.rogucecc.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 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 as shown on current indicator chart	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4
Total Prerequisite Credits		0-14

Required Core Courses

Course No.	Course Title	Credits
BA131	Introduction to Business Computing ¹	4
BA240	Filing and Records Management	3
BT101	Human Relations in Organizations ¹	3
BT113	Business English I ^{1,2}	4
BT114	Business English II ^{1,2}	4
BT160	Business Math I	4
BT178	Customer Service	3
CS125ss	Spreadsheet Applications ¹	3
CS125ww	Word Processing Applications	3
TOTAL PROGRAM CREDITS		31

¹Students who want to pursue a certificate or degree in a computer science major 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; CS125db in place of CS125ss.

²Students who have successfully completed the 3-credit versions of BT113 and BT114 will 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 atemple@rogucecc.edu or bfriderickson@rogucecc.edu
 Web address www.rogucecc.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.rogucecc.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.rogucecc.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.rogucecc.edu/Programs/CareerPathways.

Customer Service — Career Pathways Certificate (29 credits)

- Cashier¹
- Customer service representative¹

Retail Sales and Service — Career Pathways Certificate (28 credits)

- Counter and rental clerk¹
- Retail salesperson¹
- Stock clerk and order filler¹

Business and Information Specialist — Career Pathways Certificate (31 credits)

- Call center operator¹
- File clerk¹
- General office clerk¹
- Office machine operator¹
- Receptionist and information clerk¹

Retail Management — Certificate of Completion (31 credits)

- Assistant manager¹
- Retail sales supervisor¹

Small Business Management — Career Pathways Certificate (42 credits)

- Small business manager¹
- Retail sales supervisor¹

Business Assistant, Certificate of Completion (50-53 credits), Assistant Manager Specialty Track

- Supervisor¹
- Retail manager¹
- Assistant manager¹

Administrative Support Specialty Track

- Human resources assistant¹
- Office and Administrative support worker¹
- Secretary¹
- Telemarketer¹

Accounting Assistant Specialty Track

- Accountant/bookkeeper¹
- Payroll and time keeper clerk¹

Business Technology, Associate of Applied Science (AAS) (90-94 credits)

- Department manager¹
- Office manager¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.rogucecc.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 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 as shown on current indicator chart	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart	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	4
BT101	Human Relations in Organizations	3
BT105	Business Ethics	3
BT113	Business English I ²	4
BT114	Business English II ²	4
BT160	Business Math	4
BT178	Customer Service	3

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

email atemple@rogucecc.edu or bfrederickson@rogucecc.edu

Web address www.rogucecc.edu/business

TTY Oregon Telecom Relay Service, 711

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.rogucecc.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.rogucecc.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.rogucecc.edu/Programs/CareerPathways.

Customer Service — Career Pathways Certificate (29 credits)

- Cashier¹
- Customer service representative¹

Retail Sales and Service — Career Pathways Certificate (28 credits)

- Counter and rental clerk¹
- Retail salesperson¹
- Stock clerk and order filler¹

Business and Information Specialist — Career Pathways Certificate (31 credits)

- Call center operator¹
- File clerk¹
- General office clerk¹
- Office machine operator¹
- Receptionist and information clerk¹

Retail Management — Certificate of Completion (31 credits)

- Assistant manager¹
- Retail sales supervisor¹

Small Business Management — Career Pathways Certificate (42 credits)

- Small business manager¹
- Retail sales supervisor¹

**Business Assistant, Certificate of Completion (50-53 credits),
Assistant Manager Specialty Track**

- Supervisor¹
- Retail manager¹
- Assistant manager¹

Administrative Support Specialty Track

- Human resources assistant¹
- Office and Administrative support worker¹
- Secretary¹
- Telemarketer¹

Accounting Assistant Specialty Track

- Accountant/bookkeeper¹
- Payroll and time keeper clerk¹

Business Technology, Associate of Applied Science (AAS) (90-94 credits)

- Department manager¹
- Office manager¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.rogucecc.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 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 as shown on	

	current indicator chart	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-14

Required Core Courses

Course No.	Course Title	Credits
BA131	Introduction to Business Computing	4
BA223	Principles of Marketing	3
BA249	Retail Management	3
BT101	Human Relations in Organizations	3
BT113	Business English I ¹	4
BT114	Business English II ¹	4
BT160	Business Math	4
BT178	Customer Service	3
TOTAL REQUIRED CREDITS		28

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	atemple@rogucecc.edu or bfrederickson@rogucecc.edu
Web address	www.rogucecc.edu/business
TTY	Oregon Telecom Relay Service, 711

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 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.rogucecc.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.rogucecc.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.rogucecc.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

Business and Information Specialist — Career Pathways Certificate (31 credits)

- Call center operator ¹
- File clerk ¹
- General office clerk ¹
- Office machine operator ¹
- Receptionist and information clerk ¹

Retail Management — Certificate of Completion (31 credits)

- Assistant manager ¹
- Retail sales supervisor ¹

Small Business Management — Career Pathways Certificate (42 credits)

- Small business manager ¹
- Retail sales supervisor ¹

Business Assistant, Certificate of Completion (50-53 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) (90-94 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.rogucecc.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 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 as shown on current indicator chart	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	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	4
BA223	Principles of Marketing	3
BA226	Business Law	4
BT101	Human Relations in Organizations	3
BT102	Introduction to Supervision or BA206 Management Fundamentals	3
BT113	Business English I ²	4
BT114	Business English II ²	4
BT151	Practical Accounting I	4
BT160	Business Math	4
BT165	Writing a Business Plan	2
BT250	Entrepreneurship	3

TOTAL PROGRAM CREDITS 42

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 atemple@roguecc.edu or bfrederickson@roguecc.edu
 Web address www.roguecc.edu/business
 TTY Oregon Telecom Relay Service, 711

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, 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 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 a “C” or better grade.

Prerequisites

Course No.	Course Title	Credits
BA130	Concepts in Computing I or documented proficiency	0-2
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 0-15

General Education Requirements

Course No.	Course Title	Credits
BA214	Business Communications or SP115 Introduction to Intercultural Communication or SP218 Interpersonal Communication	4
LIB127	Introduction to Library Research Methods	1
MTH111	College Algebra	4
MTH243	Probability and Statistics with lab	4
MTH244	Inferential Statistics	4
PSY201	General Psychology I	4
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I ¹	4
WR122	English Composition II ¹	4
WR227	Technical Writing	4
—	Approved humanities electives ²	6-8
—	Approved lab science elective ³	4-5

Total General Education Credits 47-50

Core Requirements

Course No.	Course Title	Credits
BA101	Introduction to Business ⁴	4
BA131	Introduction to Business Computing	4
BA177	Payroll and Tax Procedures	3
BA206	Management Fundamentals	3
BA211	Financial Accounting	4
BA213	Managerial Accounting	4
BA223	Principles of Marketing	3

BA224	Human Resource Management	3
BA226	Business Law	4
CS125db	Data Base Management Systems	3
CS125ss	Spreadsheet Applications	3
ECON201	Microeconomics	4
ECON202	Macroeconomics	4

Total Core Credits 46

TOTAL PROGRAM CREDITS 93-96

¹ The 3 credit version of any speech or humanities course taken prior to 2009 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.

2 Approved Humanities Electives

(Complete 6 credits from the following list. A maximum of 3 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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
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
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA164,165,166	Writing for Theater	4-4-4

3 Approved Science Electives

(Complete one course from the following list.)

Course No.	Course Title	Credits
BI101,102,103	Introduction to Biology I, II, III with lab	4-4-4
BI109	Marine Animals and Plants with lab	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
BI272	Introduction to Ecology with lab	4
G101,102,103	Introduction to Geology I, II, III 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

⁴ Students who have completed BA101 as a 3 credit course have met this requirement.

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 Business Technology Department:

Grants Pass 541-956-7066
Medford 541-245-7527
Toll free in Oregon 800-411-6508, Ext. 7066 or 7527
email atemple@rogucecc.edu or bfrederickson@rogucecc.edu
Web address learn.rogucecc.edu/Business
TTY Oregon Telecom Relay Service, 711

Business Technology

Associate of Applied Science Degree

About the Program

The Business Technology two-year degree provides an opportunity for students to learn about the business enterprises in society as well as prepare for various careers. This degree provides for flexibility in selecting elective classes while allowing students to investigate a wide range of areas within the business field. Students who want a general business foundation will be well served by the Business Technology AAS degree. There are also three program options should students want to pursue a specialized focus area.

For students who desire employment as bookkeepers, accounting assistants and billing clerks, the Accounting Option provides advanced study in practical accounting using both manual and computerized accounting systems.

Students who plan to supervise other workers, manage materials and human resources, or start their own business enterprises will find the Management Option well suited to those career goals.

The Marketing Option focuses on product, pricing, distribution, and promotional strategies (suited to jobs in both the traditional bricks-and-mortar marketplace, as well as conducting business using the Internet). Typical jobs include retailing, sales, advertising, and e-commerce.

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.rogucecc.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 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 head before being accepted toward core requirements. 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

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credit
BA130	Concepts in Computing I or documented proficiency ¹	0-2
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-14**

Required Courses for Base Program and Program Options

Course No.	Course Title	Credit
BA101	Introduction to Business ²	4
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BA131	Introduction to Business Computing	4
BA214	Business Communications	4
BA218	Personal Finance	3
BA223	Principles of Marketing	3
BA226	Business Law	4
BA280	Cooperative Work Experience/Business	3
BT101	Human Relations in Organizations	3
BT105	Business Ethics	3
BT111	Conflict Management	2
BT113	Business English I ³	4
BT114	Business English II ³	4
BT115	Editing and Proofreading	3
BT151	Practical Accounting I	4
BT160	Business Math	4
BT178	Customer Service	3
CS125ss	Spreadsheet Applications	3
CS125ww	Word Processing Applications	3
HE112	Emergency First Aid or HE250 Personal Health or HE252 First Aid/CPR or HE261 CPR or HPE295 Health and Fitness for Life	1-3
ECON115	Introduction to Economics	3
LIB127	Introduction to Library Research Methods	1
SP111	Fundamentals of Public Speaking or SP100 Basic Communication or SP115 Intercultural Communication SP218 Interpersonal Communication	3-4
TA144	Improvisational Theater I or SOC204 Introduction to Sociology or	

PSY201 General Psychology I	4
Approved program electives ⁴	15-16

TOTAL BUSINESS TECHNOLOGY PROGRAM CREDITS **90-94**

Required Courses - Accounting Option

Course No.	Course Title	Credit
BA177	Payroll and Tax Procedures	3
BA228	Computer Accounting Applications	2
BT161	Practical Accounting II	4
BT171	Practical Accounting III	4
—	Approved program elective	3-4
		16-17

TOTAL BUSINESS TECHNOLOGY ACCOUNTING OPTION CREDITS **91-95**

Required Courses - Management Option

Course No.	Course Title	Credit
BA206	Management Fundamentals	3
BA224	Human Resource Management	3
BT102	Introduction to Supervision	3
BT250	Entrepreneurship	3
—	Approved program elective	3-4
		15-16

TOTAL BUSINESS TECHNOLOGY MANAGEMENT OPTION CREDITS **90-94**

Required Courses - Marketing Option

Course No.	Course Title	Credit
BA233	Internet Marketing	3
BA243	Social Media Marketing	3
BT106	Advertising	3
BT121	Introduction to e-Commerce	3
—	Approved program elective	3-4
		15-16

TOTAL BUSINESS TECHNOLOGY MARKETING OPTION CREDITS **90-94**

Approved Program Electives

(Select 3-16 credits from courses not otherwise required within the base program or option area.)

Course No.	Course Title	Credit
BA177	Payroll and Tax Procedures	3
BA199	Special Studies in Business	variable
BA206	Management Fundamentals	3
BA211	Financial Accounting	4
BA213	Managerial Accounting	4
BA224	Human Resource Management	3
BA228	Computer Accounting Applications	2
BA233	Internet Marketing	3
BA240	Filing and Records Management	3
BA243	Social Media Marketing (if not taken as part of the Marketing Option)	3
BA249	Retail Management	3
BA280	Cooperative Work Experience/Business	1-9
BT102	Introduction to Supervision	3
BT106	Advertising	3
BT121	Introduction to e-Commerce	3
BT161	Practical Accounting II	4
BT165	Writing a Business Plan	2
BT171	Practical Accounting III	4
BT204	Project Management	4
BT250	Entrepreneurship	3
—	Any CS125 applications course except those taken to fulfill core	

	requirements	1-6
ECON201	Introduction to Microeconomics	4
ECON202	Introduction to Macroeconomics	4
—	Any foreign language	4-12

¹ Required for graduation.

² Students who have completed BA101 as a 3 credit course have met this requirement.

³ Students who have successfully completed the 3-credit versions of BT113 and BT114 have met this requirement. Students must still complete at least 90 applicable credits to receive an associate degree.

⁴ Not required for students completing the Accounting, Management, or Marketing options. They will complete 3-4 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
Web address	www.roguecc.edu/business
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

Course No.	Course Title	Credits
Writing Skills and Oral Communication		12
WR121	English Composition I	4
WR122	English Composition II or WR227 Technical Writing	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4

Mathematics		8-9
MTH243	Probability and Statistics with lab	4
Plus one math course from the following list:		
MTH105	Introduction to Contemporary Mathematics	4
MTH111	College Algebra	4
MTH112	Elementary Functions	5
MTH211,212	Fundamentals of Elementary Math I, II	5-5
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

Total General Education Credits 20-21

Distribution/Explorations Requirements

Humanities¹	9-12
(Complete at least three courses from the following list, 9-12 credits.)	

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	History of Rock I, II, III	3-3-3
PHI101,102,103	Philosophical Problems/Ethics/Critical Reasoning	4-4-4
REL201	World Religions	4
REL243	Nature, Religion and Ecology	4
SP100	Basic Communication	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

Social Science		12
Course No.	Course Title	Credits
BA101	Introduction to Business	4

ECON201	Principles of Microeconomics	4
ECON202	Principles of Macroeconomics	4

Science

11-15

(Select three courses from the following list (at least two courses must have labs))

Course No.	Course Title	Credits
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
BI109	Marine Animals and Plants with lab	4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics without lab	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
CS195+133JS	Web Authoring I + Javascript I (taken together, equivalent to CS210 + 4 CS elective credits – non lab)	4-4
G100	Fundamentals of Geology without lab	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography without lab	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

Total Distribution/Explorations Credits

32-39

Business-Specific Requirements

Course No.	Course Title	Credits
BA131	Introduction to Business Computing	4
BA211	Financial Accounting	4
BA213	Managerial Accounting	4
BA226	Business Law	4
BA282	Applied Business Statistics	4
LIB127	Introduction to Library Research Methods	1

Total Business-specific Credits

21

Electives

10-18

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.

TOTAL PROGRAM CREDITS

90

¹ 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 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 be proficient in a foreign language regardless of when they graduated from high school or equivalency program.

² 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	atemple@rogucecc.edu or bfrederickson@rogucecc.edu
Web address	www.rogucecc.edu/business
TTY	Oregon Telecom Relay Service, 711

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 also consult with the transfer college of choice regarding specific prerequisites since requirements for a chemistry 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
MTH251	Calculus I	5	Math
MTH252	Calculus II	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
WR227	Technical Writing	4	Elective

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

Clinical Laboratory Assistant

Certificate of Completion

About the Program

A clinical laboratory assistant is a health care practitioner qualified by education, experience, and examination to assist in the performance of routine laboratory testing. This multi-skilled practitioner performs, or assists in performing, clinical laboratory tasks as regulated by law, administrative tasks, and select tasks involving patient contact. Quality improvement, safety, procedural accuracy, and knowledge of regulatory practice standards are defining aspects of this practitioner's role. Some possible careers for this certificate include lab processor, clinical laboratory assistant, and phlebotomist. For more career information visit the CLA website at www.rogucecc.edu/AlliedHealth/CLA.

Successful completion of this three-term program prepares students 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 test through ASCP after completing the program. The curriculum for the program was written using the standards and guidelines for the clinical assistant and ASCP phlebotomy certifications and can be reviewed on the following website: www.ascp.org/. Students attend classes as part of a cohort structure and most of the courses will be offered online or in the evening.

Clinical laboratory assistants can advance and become technicians or technologists through additional education and experience. Professional certification, specialization, and/or a graduate degree in medical technology, one of the biological sciences, chemistry, management, or education usually speeds advancement.

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

Due to limited laboratory space and clinical facilities as well as the delicate balance of job opportunities in medical laboratory science, Clinical Laboratory Assistant is a competitive-entry program. 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 or proficiency, AH100, MTH65 or higher level math, RD30, and WR115 or BT113 or higher level composition or designated placement score) before starting the program.

During the first term of the program, students must show evidence of beginning the Hepatitis B immunization series or sign a waiver acknowledging the risk factors involved without the immunization. They must complete all health and immunization requirements, a criminal background check prior to enrolling in any clinical lab practice classes, and a drug screen prior to going into their practicum experience. This screening process is through Certified Background and has an associated fee. Contact the Allied Health Department for more information.

Selection Process

Program admission occurs once per year. Deadline for submitting program application material is May 1 of each year for fall term admission (see program website and/or application packet for more information). Transcripts showing satisfactory completion of prerequisite/preparatory courses (see below) 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. Selection is based on a points system. Contact the Allied Health Department for information regarding the application and selection process.

All applications will be date stamped and reviewed in the order received. Applicants will be selected by committee on criteria developed in advance. This is a competitive program and not all qualified applicants may be accepted. There will be a waitlist established for those not accepted into the cohort immediately in case new clinical space is open or students decline their seats in the cohort. Any application received after the application deadline will be waitlisted.

Accepted students must have a Basic Life Support (BLS) Health Care Provider card from the American Heart Association (AHA) and an AHA Heartsaver first aid certification prior to starting the program. Both certifications must be maintained throughout the program. Contact the Allied Health Department to schedule a class.

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 earned in conjunction with local high schools will be accepted in accordance with the current agreement.

Graduation Requirements

These requirements apply only to Clinical Laboratory Assistant students admitted to the program during the 2015-16 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 a "C" or better grade.

National Career Readiness Certificate (NCRC)

Students will be encouraged to take the National Career Readiness Certificate (NCRC) during the second quarter of the program. The NCRC is used by many health care employers nationwide to find applicants who meet or exceed standards in mathematical reasoning, critical thinking, and problem-solving techniques or work-related problems. The exam also includes reading for under-

standing and locating information such as using charts, graphs and tables to find information. Local health care employers (including Asante and Valley Immediate Care) use the NCRC in applicant screening and/or hiring preference. Preparation for the NCRC will take place in conjunction with students' practicum experience

Prerequisites

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
CS120	Concepts in Computing I within the last 10 years or documented computer proficiency	0-4
HE252	First Aid/CPR or HE261 CPR and HE112 Emergency First Aid ¹	2-3
MTH65	Fundamentals of Algebra II or higher level math 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	Introductory to Expository Writing or BT113 Business English I or higher level composition class or designated placement test score as shown on current indicator chart	0-4
Total Prerequisite Credits		5-22

Required Courses

Course No.	Course Title	Credits
First Term		
AH104	Phlebotomy with lab	3
AH105	Communication and Professional Behavior	2
CHEM104	Introductory Chemistry I with lab and recitation or CHEM221 General Chemistry I with lab and recitation	5
CLA111	Clinical Lab Practice with lab	3
		13
Second Term		
AH110	Medical Terminology: Clinical	3
BI100SB	Biology of Human Systems ²	3
BI211	Biology with lab	4
CLA150	Hematology with lab	3
		13
Third Term		
BI234	Microbiology with lab	4
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CLA160	Immunohematology with lab	3
CLA170	Clinical Lab Assistant Practicum and Seminar	3
		13

TOTAL PROGRAM CREDITS **39**

¹ AHA Heartsaver First Aid (HE112) and BLS CPR for Health Care Providers (HE261) cards are required. HE 252 covers both certifications. Courses completed or certification received on or after summer 2015 satisfies the requirement.

² BI100SB is not required if BI211/BI122 Elementary Anatomy and Physiology I/II or BI231/BI232/BI233 Anatomy and Physiology I/II/III have been completed with a "C" or better grade.

For more information regarding the program and selection process, contact the Allied Health Department:

Grants Pass or Medford 541-245-7845
Toll free in Oregon 800-460-6766, Ext. 7845
email dwu@roguecc.edu
Web address www.roguecc.edu/AlliedHealth/CLA
TTY Oregon Telecom Relay Service, 711

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 breaks, double/triples, tanker 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). Student 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.

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 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
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-8**

Required Core Courses

Course No.	Course Title	Credits
TD101	Introduction to Commercial Truck Driver Training	2
TD110	Commercial Truck Driver Training Advanced Topics	3
TD120	Commercial Truck Driver Training Practical Applications	2

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	epatton@roguecc.edu
Web address	www.roguecc.edu/Workforce/Truck
TTY	Oregon Telecom Relay Service, 711

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.

Course No.	Course Title	Credits	AAOT Category
WR121	English Composition I	4	Writing
WR122	English Composition II	4	Writing
MTH111	College Algebra	4	Math
SP111	Fundamentals of Public Speaking	4	Oral Communications
SPAN201*	Second Year Spanish I	4	Humanities
SPAN202*	Second Year Spanish II	4	Humanities
SPAN203*	Second Year Spanish III	4	Humanities

Recommended courses depending on interest area:

SP100	Basic Communication	3	Humanities
SP115	Intercultural Communication	4	Humanities
SP218	Interpersonal Communication	4	Humanities

*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:

Western Oregon University	www.wou.edu
Oregon State University	www.oregonstate.edu
University of Oregon	www.uoregon.edu
Oregon Institute of Technology	www.oit.edu
Southern Oregon University	www.sou.edu
Portland State University	www.pdx.edu

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 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 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
EET112	Introduction to Mechatronics	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 Library Research Methods	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	4
WR122	English Composition II ²	4
WR227	Technical Writing	4
—	Approved humanities electives ³	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
CS240L	Advanced Operating Systems (Linux)	4
EET125	Electronics Fundamentals I (DC)	6
EET126	Electronics Fundamentals II (AC)	7
EET130	Digital Fundamentals I	6
EET131	Digital Fundamentals II	6
EET132	Digital Fundamentals III	5
EET240	Microcontrollers I	5
EET241	Microcontrollers II	5
Total Core Credits		56
TOTAL PROGRAM CREDITS		107-108

¹ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

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

(Complete 7-8 credits from the following list. A maximum of three performance or studio-based classes 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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
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
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA164,165,166	Writing for Theater	4-4-4

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 541-245-7809

Toll free in Oregon 800-411-6508, Ext. 7809

email lbonney@rogucecc.edu

Web Address www.rogucecc.edu/electronics

TTY Oregon Telecom Relay Service, 711



Computer Programming and Software 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 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 40-43 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 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
MTH95	Intermediate Algebra 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: 0-11

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Library Research Methods	1
MTH111	College Algebra	4
MTH112	Elementary Functions	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II	4
—	Approved humanities electives ²	9-12
—	Approved science electives ³	11-15
—	Approved social science electives ⁴	9-12

Total General Education Requirements

50-60

Core Requirements

Course No.	Course Title	Credits
CS125db	Data Base Management Systems	3
CS ____	Any CS133 programming language course	4
CS140	Introduction to Operating Systems	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS275	Data Base Development I	4
CS ____	Approved computer science electives ⁵	8-10
Plus two math courses from the following list:		
MTH243	Probability and Statistics with lab	4
MTH251	Calculus I	5
MTH252	Calculus II	5

Total Core Credits

40-43

TOTAL PROGRAM CREDITS

90-103

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.)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

³ Approved Science Electives

(Complete at least three courses, two of which must have labs, from the following list, 11-15 credits.)

Course No.	Course Title	Credits
BI100GB	Introductory Biology (non-lab course)	3
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III with lab	4-4-4

BI109	Marine Animals and Plants with lab	4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics (non-lab course)	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

4 Approved Social Science Electives

(Complete at least three courses from the following list, 9-12 credits.)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business	4
CJ101/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Cultural and Human Geography	3
GEOG120	World Regional Geography	3
HE250,HPE295	Personal Health/Health and Fitness for Life	3-3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
IS110,111	Introduction to International Studies	4-3
PS201,202,203	American Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology; American Society	4-4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in America	4
SOC218	Sociology of Gender	4
SOC225	Social Problems	4
SOC230	Introduction to Gerontology	4

5 Approved Computer Science Electives

(minimum 8 credits required)

Course No.	Course Title	Credits
CS__	Any CS133 programming language not taken as core requirement	4
CS179	Introduction to Networks	4
CS227	PC Hardware Fundamentals and Repair	5
CS233u	Advanced C++ Programming	4
CS240L	Advanced Operating Systems: Linux	4
CS279	Network Operating Systems	4
MTH252	Calculus II (if not taken as part of core requirements)	5
MTH253	Calculus III	5
MTH254	Calculus IV	5

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	.cdileva@rogucecc.edu or bfederickson@rogucecc.edu
Web address	www.rogucecc.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 if they transfer before completing this degree, courses will be evaluated individually toward the general education requirements of the college of their choice. Students should use the ASOT-Computer Science university-specific degree requirements guide for specific transfer requirements for individual schools.

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.rogucecc.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 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

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 I	3
SP111	Fundamentals of Public Speaking	4
SP115	Intercultural Communication ²	4

SP218 Interpersonal Communication 4

Mathematics 10

MTH251 Calculus I (Differential) 5

MTH252 Calculus II (Integral)⁵ 5

Health/Wellness/Fitness (one course required) 3

HE250 Personal Health 3

HE252 First Aid/CPR 3

HE253 Wilderness First Aid/CPR 3

HPE295 Health and Fitness for Life 3

Total General Education Credits 24-25

Distribution Requirements

Humanities³ 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 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).

Science⁴ 12-15

Complete three biological and/or physical science laboratory courses (see this catalog for approved list of science electives).

Total Distribution Credits 33-43

Computer Science-specific Requirements

Course No.	Course Title	Credits
CS160	Introduction to Computer Science	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS260	Data Structures I	4

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 this 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.

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

Web address www.roguecc.edu/computerscience

TTY Oregon Telecom Relay Service, 711

Computer Support Technician

Associate of Applied Science Degree

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.

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or designated placement test score	0-4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	0-3

Total Prerequisite Credits 0-11

General Education Requirements

Course No.	Course Title	Credits
COMM225	Small Group Communication and Problem Solving or BA214 Business Communications	4
HE250	Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life or HE112 Emergency First Aid or HE261 CPR	1-3
LIB127	Introduction to Library Research Methods	1

MTH96	Applied Algebra II or MTH65 Fundamentals of Algebra II or higher level math	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II or WR227 Technical Writing	4

Total General Education Credits **25-27**

Required Core Courses

Course No.	Course Title	Credits
BT178	Customer Service	3
CS125db	Data Base Management Systems	3
CS125ppt	Effective Presentations	2
CS125ss	Spreadsheet Applications	3
CS125v	Visio	1
CS125ww	Word Processing Applications	3
CS133	Any CS133 programming language course	4
CS140	Introduction to Operating Systems	4
CS179	Introduction to Networks	4
CS225	Computer End-user Support I	4
CS227	PC Hardware Fundamentals and Repair	5
CS240	Advanced Operating Systems	4
CS279	Network Operating Systems I (Infrastructure)	4
CS280	Cooperative Work Experience/Computer Science	3
—	Approved program electives	18

Total Required Core Credits **65**

TOTAL PROGRAM CREDITS **90-92**

Approved Program Electives

(18 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BT204	Project Management	4
CS125r	Database Report Generation (Crystal Reports)	3
CS133	Any CS133 programming language course(s) not taken as required	variable
CS160	Introduction to Computer Science	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS227n	Network Hardware Fundamentals	4
CS233u	Advanced C++ Language	4
CS240L	Advanced Operating Systems – Linux	4
CS275	Database Development I	4
CS288	Network Operating Systems II (Active Directory)	4
CS280	Cooperative Work Experience	variable
EET	Any electronics course(s)	variable
HCI255	Introduction to Health Care Informatics	3
—	Any math course(s) MTH105 or higher	variable
SOC237	Computer-mediated Communication	4

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	cdileva@rogucecc.edu or bfrederickson@rogucecc.edu
Web address	www.rogucecc.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.rogucecc.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. 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.rogucecc.edu/Programs/CareerPathways.

Computer Software Specialist — Career Pathways Certificate (15 credits)

- Entry-level computer specialist¹
- Secretary¹
- Receptionist and information clerk¹
- Information and record clerk¹
- Office and administration support worker¹

Computer Support Technician: Health Care Informatics option — Associate of Applied Science (AAS) (93-95 credits)

- Advanced-level computer specialist¹
- Database manager¹
- Computer programmer¹

Computer Support Technician — Associate of Applied Science (AAS) (90-92 credits)

- Advanced-level computer specialist (\$27/hr.)¹
- Database manager (\$35/hr.)¹
- Computer programmer (\$33/hr.)¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.rogucecc.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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credit
CS120	Concepts in Computing I or documented computer proficiency ¹	0-4
MTH60	Fundamentals of Algebra I 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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-16

Required Courses

Course No.	Course Title	Credit
CS125db	Database Management Systems (Access)	3
CS125ppt	Effective Presentations (PowerPoint)	2
CS125ss	Spreadsheet Applications (Excel)	3
CS125ww	Word Processing Applications	3
CS140	Introduction to Operating Systems	4

TOTAL PROGRAM CREDITS 15

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 cdileva@rogucecc.edu or bfrederickson@rogucecc.edu

Web address www.rogucecc.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.rogucecc.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.

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.rogucecc.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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or designated placement test score	4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	0-3

Total Prerequisite Credits 0-11

General Education Requirements

Course No.	Course Title	Credits
COMM225	Small Group Communication and Problem Solving or BA214 Business Communications	4
HE250	Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life or HE112 Emergency First Aid or HE261 CPR	1-3
LIB127	Introduction to Library Research Methods	1
MTH96	Applied Algebra II or MTH65 Fundamentals of Algebra II or higher level math	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II or WR227 Technical Writing	4

Total General Education Credits 25-27

Required Core Courses

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI121	Elementary Anatomy and Physiology I with lab or BI231 Human Anatomy and Physiology I with lab	4
BI122	Elementary Anatomy and Physiology II with lab or BI232 Human Anatomy and Physiology II with lab	4
BT178	Customer Service	3
CS125db	Data Base Management Systems	3
CS125ppt	Effective Presentations	2
CS125r	Database Report Generation (Crystal Reports)	3
CS125ss	Spreadsheet Applications	3
CS133	Any CS133 programming language course	4
CS140	Introduction to Operating Systems	4
CS179	Introduction to Networks	4
CS225	Computer End-user Support I	4
CS227	PC Hardware Fundamentals and Repair	5
CS280	Cooperative Work Experience/Computer Science	3
HCI120	Introduction to Health Care Industry	3
HCI210	Legal Aspects of Medical Records	3
HCI255	Introduction to Health Care Informatics	3
—	Approved program electives	10

Total Required Core Credits 68

TOTAL PROGRAM CREDITS 93-95



Approved Program Electives

(10 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BT204	Project Management	4
CG155	Exploring Careers in Health Care	3
CHEM104	Introductory Chemistry I with lab and recitation	5
CS125v	Visio	1
CS125ww	Word Processing Applications	3
CS133	Any CS133 programming language course(s) not taken as required	variable
CS160	Introduction to Computer Science	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS227n	Network Hardware Fundamentals	4
CS233u	Advanced C++ Programming	4
CS240	Advanced Operating Systems	4
CS240L	Advanced Operating Systems – Linux	4
CS275	Database Development I	4
CS279	Network Operating Systems I (Infrastructure)	4
CS288	Network Operating Systems II (Active Directory)	4
CS280	Cooperative Work Experience/Computer Science	variable
EET ____	any electronics course(s)	variable
MTH ____	Any math course(s) MTH105 or higher	variable
SOC237	Computer-mediated Communication	4

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	dplieger@rogucecc.edu
Web address	www.rogucecc.edu/alliedhealth
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 apprenticeship 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.rogucecc.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.rogucecc.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 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

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
LIB127	Introduction to Library Research Methods	1
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
WR115	Introduction to Expository Writing ²	3
WR121	English Composition I ²	4
HE112	Emergency First Aid	1

Total General Education Credits 16-20

Credit for Prior Certification

(Work-based Learning) ³

Course No.	Course Title	Credits
APR105	Apprenticeship Credit for Prior Learning	22
	• HVAC/R – 22 credits	
	• Plumber – 22 credits	
	• Sheet Metal – 22 credits	

Total Credit for Prior Certification 22

Related Training

Course No.	Course Title	Credits
—	Credit toward an Associate of Applied Science degree earned through related apprenticeship training classes in these trades:	36-48
	• HVAC/R – 36 credits	
	• Plumber – 48 credits	
	• Sheet Metal – 36 credits	

Approved Program Electives

Course No.	Course Title	Credits
—	Any college-level course (numbered 100 or above) to meet minimum degree requirement	0-16

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 Journeyman 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. cperson@rogucecc.edu
Web address www.rogucecc.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. 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.rogucecc.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.rogucecc.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

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
WR115	Introduction to Expository Writing or higher level composition	3
Total General Education Credits		10-14

Related Training

Course No.	Course Title	Credits
—	Credit toward a certificate earned through related apprenticeship training classes in these trades:	36-48
	• HVAC/R – 36 credits	
	• Plumber – 48 credits	
	• Sheet Metal – 36 credits	

TOTAL PROGRAM CREDITS 46-62

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
email cperson@rogucecc.edu
Web address www.rogucecc.edu/apprenticeship
TTY Oregon Telecom Relay Service, 711

Criminal Justice Associate of Applied Science Degree

About the Program

The Criminal Justice Associate of Applied Science degree is designed for students pursuing an educational program that will prepare them for careers in the fields of law enforcement and adult and juvenile corrections. This degree enables students to enter into criminal justice careers. Many of the courses taken toward this degree can be applied to a four-year degree in the criminal justice/criminology 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.rogucecc.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, students must begin with the courses within their skill levels as determined by placement test scores. A Criminal Justice program advisor must provide advising and approval of a student's program prior to registration. In addition, students may also be required to enroll in classes that would increase their employability and success.

Prospective students should be aware of entry requirements of criminal justice agencies prior to considering criminal justice fields as career choices. 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 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 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

Course No.	Course Title	Credits
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	0-3
—	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	<u>0-4</u>

Total Prerequisite Credits **0-7**

First Year Required Courses

Course No.	Course Title	Credits
First Term		
CJ100	Foundations and Ethics in Criminal Justice	4
CJ110	Introduction to Law Enforcement (ROLEA credits may be substituted with advisor approval)	4
PSY101	Psychology of Human Relations ² or BT101 Human Relations at Work	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	<u>4</u> 19

Second Term

CJ120	Introduction to the Judicial Process	4
CJ201/SOC221	Juvenile Delinquency	4
LIB127	Introduction to Library Research Methods	1
PSY201	General Psychology I	4
WR122	English Composition II	<u>4</u> 17

Third Term

CJ101/SOC244	Introduction to Criminology	4
CJ130	Introduction to Corrections	4
CJ214	Crime, Justice and Diversity	4
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or BT160 Business Math or higher level math (MTH105 or higher recommended for transfer)	4

HE112	Emergency First Aid or HE261 CPR (ROLEA credits may be substituted with advisor approval)	<u>1</u> 17
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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 ^{2,3}	3-4
—	Approved humanities elective (see this catalog for approved list of electives)	3-4
—	Approved program elective ³	<u>3-4</u> 13-16
Fifth Term		
CJ221	Law II: Constitutional Criminal Procedure	4
—	Approved humanities elective (see this catalog for approved list of electives)	3-4
—	Approved program elective ³	3-4
—	Approved program elective ³	3-4
—	Approved program elective ³	<u>0-4</u> 13-20

Sixth Term

CJ223	Law III: Evidence and Trial Process	4
CJ280	Cooperative Work Experience/Criminal Justice (ROLEA credits may be substituted with advisor approval)	4
ECON202	Principles of Macroeconomics or approved program elective ^{2,3}	3-4
—	Approved humanities elective (see this catalog for approved list of electives)	3-4
—	Approved program elective ³	<u>0-3</u> 14-19

Total Second Year Credits **40-55**

TOTAL PROGRAM CREDITS **93-108**

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

(9-19 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 ²	4
BA213	Managerial Accounting ²	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 America	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
email vwallace@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 CCJ298 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 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
MTH95	Intermediate Algebra or MTH96 Applied Algebra II 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 **0-15**

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Library Research Methods	1
MTH243	Probability and Statistics	4
PS203	American Government III	3
PSY201	General Psychology I	4
PSY202	General Psychology II	4
SOC204	Introduction to Sociology	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II	4
—	Approved humanities electives ²	9-12
—	Approved lab science electives ³	8-10
—	Approved science elective ³	3-5

Total General Education Credits **52-59**

Required Core Courses

Course No.	Course Title	Credits
CJ100	Foundations and Ethics in Criminal Justice	4
CJ101/SOC244	Introduction to Criminology	4
CJ110	Introduction to Law Enforcement	4
CJ120	Introduction to the Judicial Process	4
CJ130	Introduction to Corrections	4
CJ201/SOC221	Juvenile Delinquency	4

CJ214	Crime, Justice and Diversity	4
CJ220	Law I: Substantive Law and Liability	4
CJ221	Law II: Constitutional Criminal Procedure	4
CJ223	Law III: Evidence and Trial Process	4
—	Approved program electives ⁴	6-8

Total Core Credits 46-48

TOTAL PROGRAM CREDITS 98-107

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.)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	4
ENG253,254,255	Survey of American Literature I, II, III	3-3-3
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

3 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.)

Course No.	Course Title	Credits
BI100GB	Introductory Biology (non-lab course)	3
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology with lab I, II, III with lab	4-4-4
BI109	Marine Animals and Plants with lab	4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics (non-lab course)	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4

CS195+133JS	Web Authoring I (HTML/CSS) + Javascript I (taken together, equivalent to CS210 + 4 CS elective credits – non/lab)	4-4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

4 Approved Criminal Justice Program Electives

Course No.	Course Title	Credits
BA214	Business Communications	4
CJ199	Special Topics/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	1-4
HDFS260	Child Abuse and Neglect	3
HPE295	Health and Fitness for Life or HE250 Personal Health	3
HUM101	Introduction to Humanities	4
PS202	American Government II	3
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
SOC205	American Society	4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in America	4
SOC225	Social Problems	4
SP115	Introduction to Intercultural Communication	4
WR227	Technical Writing	4

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 vwallace@roguecc.edu

Web address www.rogue.cc.edu/criminaljustice

TTY Oregon Telecom Relay Service, 711

Dental Assistant Certificate of Completion

About the Program

This 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 gen-eral 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.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.

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 a "C" or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

Prerequisites to Application

Course No.	Course Title	Credit
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-12

Prerequisites to Cohort Acceptance

Course No.	Course Title	Credit
BT101	Human Relations in Organizations or	

BT113	PSY101 Psychology of Human Relations ¹ Business English I or WR115 Introduction to Expository Writing or higher level composition class ^{1,2}	3 3-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math or higher level math ¹	4
SP100	Basic Communication or SP111 Fundamentals of Public Speaking ¹	3-4
CS____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ^{1,3}	0-4

Total Prerequisite to Cohort Credits 13-19

Required Courses

Course No.	Course Title	Credit
First Term		
AH100	Medical Terminology	3
AH105	Communication and Professional Behavior	2
DA101	Dental Assisting I	4
DA101A/B	Dental Assisting I Lab	1
DA202	Infection Control	2
HE252	First Aid/CPR	3
		15
Second Term		
DA102	Dental Assisting II	4
DA102A/B	Dental Assisting II Lab	1
DA104	Dental Administration	2
DA150	Introduction to Practicum and Seminar	1
DA201	Dental Radiology	4
—	Approved program elective	0-5
		12-17
Third Term		
DA105	Legal and Ethical Issues in Dentistry	2
DA106	Dental and Medical Emergency Management	2
DA152	Practicum and Seminar in Dental Assisting I	4
DA201A/B	Radiology Lab	2
DA203	Chair-side Assisting	2
		12
Fourth Term		
DA103	Dental Materials	2
DA153	Practicum and Seminar in Dental Assisting II	4
DA204	Expanded Functions Dental Assistant	2
DA204A/B	Expanded Functions Dental Assistant Lab	1
		9

TOTAL PROGRAM CREDITS 48-53

Approved Program Electives

(0-5 credits allowed)

Course No.	Course Title	Credit
AH110	Medical Terminology: Clinical	3
BA101	Introduction to Business ⁴	4
BT102	Introduction to Supervision	3
CG100	College Success and Survival	2
CG105	Finding the Money: Scholarship Essay Writing	1
ED120	Leadership I	1
ED121	Leadership II	1
ED122	Leadership III	1
HCI120	Introduction to Health Care Industry	3
—	Any health or physical education course	variable
HS152	Stress Management	1

LIB127	Introduction to Library Research Methods	1
RD115	Speedreading for College	3
SP100	Basic Communication (if not taken as prerequisite)	3
SP111	Fundamentals of Public Speaking (if not taken as prerequisite)	4
SP218	Interpersonal Communication	4
SPAN101,102,103	First Year Spanish I, II, III	4-4-4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
WR121	English Composition I (if not taken to fulfill writing requirement)	4
WR122	English Composition II	4
WR185	Understanding English Grammar	12
WR227	Technical Writing	4
MTH____	Any math course numbered MTH60 or above (if not taken to fulfill math requirement)	4-5
_____	Any college-level science course numbered 100 and above	3-5

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 Oregon800-411-6508, 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 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
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-16

Technical Requirements

Course No.	Course Title	Credits
First Term		
BT113	Business English I or higher level composition ²	4
DS111	Basic Electricity for Diesel Technicians I	7
DS120	Diesel Trades Practices	6
		17

Second Term

DS131	Diesel Engine Dynamics and Diagnosis	5
DS134	Basic Electricity for Diesel Technicians II	4
DS141	Heavy Equipment Power Trains	5
		14

Third Term

DS113	Diesel Engine Overhaul	6
DS151	Heavy Equipment Brakes	6
DS190	Diesel Repair Lab I	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
		19

Fourth Term (Summer)

BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
DS232	Heavy Equipment Fuel Systems	4
DS270	Air Conditioning for Diesel Technicians	5
_____	Approved program electives	0-6
		12-18

TOTAL PROGRAM CREDITS 62-68

Approved Program Electives

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
DS112	Gasoline Engines Rebuild	6
DS290	Diesel Repair Lab II	3
DS199	Selected Topic Workshop	1-6
DS280	Cooperative Work Experience/Diesel	variable
DS280S	Cooperative Work Experience Seminar/Diesel	1
DS295	ASE Certification Preparation	1
EET101	Introduction to Electronics	3
EET112	Introduction to Mechatronics	5

EET115	Applied Electronic Fundamentals	5
GS104	Physical Science with lab	4
MFG121	Manufacturing Processes I	4
TD103A	Introduction to Commercial Truck Driver Training (Class B License)	2
TD103B	Commercial Truck Driving Training Practical Applications (Class B License)	2

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	lbonney@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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or higher level course or documented computer proficiency ¹	0-4

MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-16**

First Year Required Courses

Course No.	Course Title	Credits
First Term		
BT113	Business English I or higher level composition ²	4
DS111	Basic Electricity for Diesel Technicians I	7
DS120	Diesel Trades Practices	6
LIB127	Introduction to Library Research Methods	1
		18
Second Term		
BT114	Business English II ³	4
DS131	Diesel Engine Dynamics and Diagnosis	5
DS134	Basic Electricity for Diesel Technicians II	4
DS141	Heavy Equipment Power Trains	5
		18

Third Term

DS113	Diesel Engine Overhaul	6
DS151	Heavy Equipment Brakes	6
DS190	Diesel Repair Lab I	3
MTH63	Applied Algebra I or	
	MTH60 Fundamentals of Algebra I or higher level math ⁴	4
		19

Fourth Term (Summer)

DS232	Heavy Equipment Fuel Systems	4
DS270	Air Conditioning for Diesel Technicians	5
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations ⁵	3
HE112	Emergency First Aid or	
	HE261 CPR	1
		13

Total First Year Credits **68**

Second Year Required Courses

Course No.	Course Title	Credits
Fifth Term		
DS160	Heavy Equipment Suspension and Steering Systems	6
WLD111D	Technology of Industrial Welding I (Diesel)	6
		12
Sixth Term		
DS233	Computerized Vehicle Management Systems	7
DS280S	Cooperative Work Experience Seminar/Diesel	1
—	Approved program elective	4-6
		12-14

Seventh Term

DS260	Hydraulic Systems	4
DS275	Preventative Maintenance Inspection	6
DS280	Cooperative Work Experience/Diesel ⁶ or	
	DS290 Diesel Repair Lab II	3
		13

Total Second Year Credits **37-39**

TOTAL PROGRAM CREDITS

105-107

Approved Program Electives

(4-6 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
DS112	Gasoline Engines Rebuild	6
DS199	Selected Topic Workshop	1-6
DS280	Cooperative Work Experience/Diesel	variable
DS290	Diesel Repair Lab II (if not taken as required course)	3
DS295	ASE Certification Preparation	1
EET101	Introduction to Electronics	3
EET112	Introduction to Mechatronics	5
EET115	Applied Electronic Fundamentals	5
GS104	Physical Science with lab (recommended for transfer)	4
MFG121	Manufacturing Processes I	4
MTH65	Fundamentals of Algebra II or higher level math	4-5
WLD112	Technology of Industrial Welding II	6
WR122	English Composition II	4
WR227	Technical Report Writing	4
TD103A	Introduction to Commercial Truck Driver Training (Class B License)	2
TD103B	Commercial Truck Driver Training Practical Applications (Class B License)	2
—	Any math course 100-level or higher	4-5
—	Approved humanities elective (see this catalog for approved list of electives)	3-4
—	Approved social science elective (see this catalog for approved list of electives)	3-4

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
email lbbonney@rogucecc.edu
Web address www.rogucecc.edu/diesel
TTY Oregon Telecom Relay Service, 711

Early Childhood Development 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) 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.rogucecc.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. Each College Now 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 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 as shown on current indicator chart	0-4
MTH96	Applied Algebra II or MTH95 Intermediate Algebra or designated placement test score as shown on current indicator chart	0-4
PSY101	Psychology of Human Relations ²	3
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	0-3

Total Prerequisite Credits

3-18

General Education Requirements

Course No.	Course Title	Credits
HE250	Personal Health or HPE295 Health and Fitness for Life	3
LIB127	Introduction to Library Research Methods	1
MTH243	Probability and Statistics or other approved math elective ³	4
WR121	English Composition I	4
WR122	English Composition II	4
SOC213	Race and Ethnicity in America or other approved social science elective ⁴	3-4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	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 Environment	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
ECE266	Spanish for Early Childhood/Elementary Professionals	3
ECE275	Anti-bias Education	3
ECE285	The Early Childhood Professional	3
ED170	Introductory Practicum	2

Total Core Credits

65

TOTAL PROGRAM CREDITS

108-112

Approved Program Electives

Course No.	Course Title	Credits
ECE280	Cooperative Work Experience/Early Childhood Education	variable
SPAN101,102,103	First Year Spanish I, II, III	4-4-4
SPAN201	Second Year Spanish I	4

¹ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

² Required for graduation.

³ Approved Math Electives

(complete at least one course, 4-5 credits – MTH211, MTH212 and MTH213 are required for application to the Master of Arts in Teaching (MAT) program at SOU)

Course No.	Course Title	Credits
MTH105	Introduction to Contemporary Math	4

MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH211,212	Fundamentals of Elementary Math I, II (must take both)	4-4
MTH243	Probability and Statistics	4
MTH251	Calculus I	5

⁴ Approved Social Science Electives

(complete at least one course from the following list for a minimum of 3 credits)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business (acceptable if taken for 3 credits)	4
CJ101/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Cultural and Human Geography	3
GEOG120	World Regional Geography	3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
IS110,111	Introduction to International Studies	3-3
PS201,202,203	U.S. Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202,203	General Psychology I, II, III	4-4-3
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology, American Society	4-4
SOC211	Social Deviance and Social Control	3
SOC218	Sociology of Gender	3
SOC225	Social Problems	4
SOC230	Introduction to Gerontology	4

⁵ Approved Humanities Electives

(complete at least three courses from the following list, 9-12 credits)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

6 Approved Science Electives

(complete at least three courses, two of which must have labs, from the following list for a minimum of 11 credits)

Course No.	Course Title	Credits
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
BI109	Marine Animals and Plants with lab	4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics without lab	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
CS195+133JS	Web Authoring I (HTML/CSS) + Javascript I without lab (taken together, equivalent to CS210 + 4 CS elective credits)	4-4
G100	Fundamentals of Geology without lab	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography without lab	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

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
email	atemple@roguecc.edu or chenney@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 ECE 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 www.cen-terline.pdx.edu 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 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 (541-245-7560). 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.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 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 a "C" or better grade. Three hundred (300) hours of supervised practicum are required unless a waiver is granted for approved activities.

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 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 0-11

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Library Research	1
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math as designated by placement test score as shown on current indicator chart (MTH105 or higher recommended for transfer) or BT160 Business Math or higher level math	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4

TOTAL GENERAL EDUCATION CREDITS 16

First Year Required Courses ²

Course No.	Course Title	Credits
First Term		
ECE125	Early Childhood Development ³	3
ECE126	Early Childhood Education Best Practices ³	3
ECE152	Fostering Creativity	3
ECE161	Infant/Toddler Development	3
		12

Second Term

ECE135	Applied Child Development ³	3
ECE136	Early Childhood Education: A Professional Overview ³	3
ECE151	Guiding Children in Group Settings	3
ECE154	Children's Literature and Literacy	3
ECE163	Preschool/Primary Development	3
		15

Third Term

ECE175	Developmentally Appropriate Practices	3
ECE246	Child, Family and Community	3
ECE250	Infant/Toddler Environments or ECE251 Preschool Environment or ECE252 Family Child Care Environments	3
ECE266	Spanish for Early Childhood/Elementary Professionals	3
ED170	Introductory Practicum	1
		13

Total First Year Credits 40

Second Year Required Courses

Course No.	Course Title	Credits
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Fourth Term

ECE243	Promoting Child Health and Physical Development	3
ECE244	Observation and Assessment	3
ECE254	Preschool Curriculum or ECE256 Primary Curriculum or ECE255 Infant/Toddler Materials and Activities	3
ECE275	Anti-bias Education	3
ED170	Introductory Practicum	1
		13

Fifth Term

ECE240	Play-based Learning	3
ECE241	Promoting Cognitive Development	3
ECE261	Advanced Practicum I and Seminar	3
ECE265	Children at Risk	3
HE250	Personal Health or HPE295 Health and Fitness for Life	2
		15

Sixth Term

ECE245	Promoting Social/Emotional Development of Young Children	3
ECE248	Children with Disabilities and Their Families	3
ECE262	Advanced Practicum II and Seminar	3
ECE285	The Early Childhood Professional	3
—	Approved program elective	0-4
		12-16

Total Second Year Credits 40-44

TOTAL PROGRAM CREDITS 96-100

Approved Program Electives

Course No.	Course Title	Credits
ECE199	Selected Topics in Early Childhood Education	1-3
ECE295	Management of Early Childhood Programs	3
ED165	Child Development	3
ED259	Foundations of Education	3
ECE280	Cooperative Work Experience/Early Childhood Education	variable
PSY202	General Psychology II	4
SOC204	Introduction to Sociology or SOC213 Race and Ethnicity in America	4
SPAN101,102,103	First Year Spanish I, II, III	4-4-4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

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.

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	atemple@rogucecc.edu or chenney@rogucecc.edu
Web address	www.rogucecc.edu/ecee
TTY	Oregon Telecom Relay Service, 711

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 www.centerline.pdx.edu 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 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.

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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 (541-245-7560). Students should take their schedules to obtain an identification card. Take the identification card each time an observation is scheduled in an early child-hood 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.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 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.

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

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 as shown on current indicator chart	0-4
WR115	Introduction to Expository Writing or higher level composition ²	<u>3-4</u>
Total Prerequisite Credits		3-12

Required Program Courses ³

Course No.	Course Title	Credits
First Term		
ECE125	Early Childhood Development ⁴	3
ECE126	Early Childhood Education Best Practices ⁴	3
ECE152	Fostering Creativity	3
HE250	Personal Health or HPE295 Health and Fitness for Life	3
		12
Second Term		
ECE135	Applied Child Development ⁴	3
ECE136	Early Childhood Education: A Professional Overview ⁴	3
ECE151	Guiding Children in Group Settings	3
ECE154	Children's Literature and Literacy	3
ED170	Introductory Practicum	<u>1</u>
		13
Third Term		
ECE163	Preschool/Primary Development	3
ECE175	Developmentally Appropriate Practices	3
ED170	Introductory Practicum	1
ECE246	Child, Family and Community	3
PSY101	Psychology of Human Relations	<u>2</u>
		13
Fourth Term		
ECE161	Infant/Toddler Development	3
ECE250	Infant/Toddler Environments or ECE251 Preschool Environment or ECE252 Family Child Care Environments	3
ECE266	Spanish for Early Childhood /Elementary Professionals	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math as designated by placement test score as shown on current indicator chart (MTH105 or higher recommended for transfer) or BT160 Business Math	<u>4</u>
		13
TOTAL PROGRAM CREDITS		51
		105

Approved Program Electives

Course No.	Course Title	Credits
ECE199	Selected Topics in Early Childhood Education	1-3
ECE280	Cooperative Work Experience/Early Childhood Education	variable

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.

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	atemple@rogucecc.edu or chenney@rogucecc.edu
Web address	www.rogucecc.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 www.centerline.pdx.edu 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.rogucecc.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 courses, 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 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 (541-245-7560). 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.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 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.rogucecc.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 credits)

- Daycare provider, child care worker, or nanny ¹
- Preschool teacher ¹
- Teacher assistant ¹

Early Childhood Education, Associate of Applied Science (AAS) (96-100 credits)

- Preschool and child care administrators ¹

Early Childhood Development, Associate of Science (AS) (108-112 credits)

- Preschool and child care administrators ¹

Elementary Education Associate Science (AS) (90-100 credits)

- Preschool and child care administrators ¹

Early Childhood Development SOU, Bachelor's articulated with RCC's AS degree

- Kindergarten/Elementary school teacher ¹

Elementary Education SOU, Bachelor's articulated with RCC's AS degree

Management, SOU, Bachelor of Applied Science articulated with RCC's AAS degree

- Supervisor/manager ¹
- Business owner 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

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 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

Course No.	Course Title	Credits
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-8**

Required Program Courses

Course No.	Course Title	Credits
ECE125	Early Childhood Development ¹	3
ECE126	Early Childhood Education Best Practices ¹	3
ECE135	Applied Child Development ¹	3
ECE136	Early Childhood Education: A Professional Overview ¹	3
ED170	Introductory Practicum	1

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 atemple@roguecc.edu or chenney@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 www.centerline.pdx.edu 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 stu-

dents 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 (541-245-7560). 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.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 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 credits)

- Daycare provider, child care worker, or nanny ¹
- Preschool teacher ¹
- Teacher assistant ¹

Early Childhood Education, Associate of Applied Science (AAS) (96-100 credits)

- Preschool and child care administrators ¹

Early Childhood Development, Associate of Science (AS) (108-112 credits)

- Preschool and child care administrators ¹

Elementary Education Associate Science (AS) (90-100 credits)

- Preschool and child care administrators ¹

Early Childhood Development SOU, Bachelor's articulated with RCC's AS degree

- Kindergarten/Elementary school teacher ¹

Elementary Education SOU, Bachelor's articulated with RCC's AS degree**Management, SOU, Bachelor of Applied Science articulated with RCC's AAS degree**

- Supervisor/manager ¹
- Business owner 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

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 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

Course No.	Course Title	Credits
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 **0-7**

Required Courses ¹

Course No.	Course Title	Credits
ECE125	Early Childhood Development ²	3
ECE126	Early Childhood Education Best Practices ²	3
ECE135	Applied Child Development ²	3
ECE136	Early Childhood Education: A Professional Overview ²	3
ECE151	Guiding Children in Group Settings ³	3
ECE152	Fostering Creativity	3
ECE161	Infant/Toddler Development ³	3
ECE163	Preschool/Primary Development ³	3

ECE175	Developmentally Appropriate Practices ³	3
ED170	Introductory Practicum	2
PSY101	Psychology of Human Relations	2

TOTAL PROGRAM CREDITS **32**

¹ It is recommended that students take a math course depending on placement test score.

² 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.

³ Also offered online.

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	atemple@roguecc.edu or chenney@roguecc.edu
Web address	www.roguecc.edu/ecee
TTY	Oregon Telecom Relay Service, 711

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:

- 12 hours in science, with at least one course in a biological science and one course in a physical science (chemistry, physics, geology, astronomy). Students should refer to the AAOT science sections to review these course options.
- Humanities – one course in English literature
- Social science – one course in history, one course in geography and one course in behavioral science (psychology, sociology, anthropology)

Course No.	Course Title	Credits	AAOT Category
BI101	Introduction to Biology I with lab	4	Science
BI102	Introduction to Biology II with lab	4	Science
MTH211	Fundamentals of Elementary Math I	4	Math
MTH212	Fundamentals of Elementary Math II	4	Math
MTH213	Fundamentals of Elementary Math III	4	Math

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 apprentice-

es or electricians holding a journey-level card. 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: limited maintenance electrician (4,000-hour trade); inside electrician, limited manufacturing plant electrician, and sign maker/erector (8,000-hour trades).

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 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

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
LIB127	Introduction to Library Research Methods	1
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
WR115	Introduction to Expository Writing ²	3
WR121	English Composition I ²	4
HE112	Emergency First Aid	1
Total General Education Credits		16-20

Credit for Prior Certification

(Work-based Learning)³

Course No.	Course Title	Credits
APR105	Apprenticeship Credit for Prior Learning • Limited Maintenance Electrician – 11 credits • Inside Electrician – 22 credits • Manufacturing Plant Electrician – 22 credits • Sign Maker/Erector – 22 credits	11-22
Total Credit for Prior Certification		11-22

Related Training

Course No.	Course Title	Credits
—	Credit toward an Associate of Applied Science degree earned through related apprenticeship training classes in these trades: • Limited Maintenance Electrician – 24 credits • Inside Electrician – 48 credits • Manufacturing Plant Electrician – 46 credits • Sign Maker/Erector – 39 credits	24-48

Approved Program Electives

Course No.	Course Title	Credits
—	Any college-level course (numbered 100 or above) to meet minimum degree requirement	0-39

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 Journeyman 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 cperson@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 the 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 OSC 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

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
WR115	Introduction to Expository Writing or higher level composition	3
Total General Education Credits		10-14

Related Training

Course No.	Course Title	Credits
—	Credit toward the certificate earned through related apprenticeship training classes in these trades: • Inside Electrician – 48 credits • Manufacturing Plant Electrician – 46 credits • Sign Maker/Erector – 39 credits	39-48
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 cperson@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 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 4,000-hour BOLI-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 OSC 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 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 this trade: • Limited Maintenance Electrician – 24 credits	24
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 cperson@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 commu-

nications 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 any pre-requisites 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 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
MTH20	Pre-algebra I 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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-16

Required Courses

Course No.	Course Title	Credits
First Term		
EET112	Introduction to Mechatronics	5
EET125	Electronics Fundamentals I (DC)	6
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4 15
Second Term		
EET126	Electronics Fundamentals II (AC)	7
EET130	Digital Fundamentals I	6 13
Third Term		
EET131	Digital Fundamentals II	6
HE112	Emergency First Aid or approved health elective (see this catalog for approved list of electives)	1-3

WR115	Introduction to Expository Writing or	
—	WR121 English Composition I	3-4
—	Approved program elective(s)	2-3 12-16

Fourth Term

EET140	Solid State Fundamentals	7
PSY101	Psychology of Human Relations or	
—	BT101 Human Relations in Organizations	3
—	Approved program elective(s)	2-4 12-14

TOTAL PROGRAM CREDITS

52-58

Approved Program Electives

(4-7 credits required)

Course No.	Course Title	Credits
BT121	Introduction to e-Commerce	3
CS ____	Any computer science course, CS125 or above	3-4
EET101	Introduction to Electronics	3
EET106	Electronic Assembly	3
EET113	Exploration of Alternative Energies	3
EET118	Introduction to Renewable Energy Systems	5
EET132	Digital Fundamentals III	5
EET180	Cooperative Work Experience/Electronics	4
EET180S	Cooperative Work Experience Seminar/Engineering	1
EET199	Selected Topics in Technology	1-6
EET215	Operational Amplifiers and Linear Integrated Circuits	5
EET220	Solid State Devices	6
EET225	Electronics Troubleshooting	3
EET230	Radio Frequency Communications Fundamentals	6
EET240	Microcontrollers I	5
GS104	Physical Science w/lab	4
MET101	Mechanical Drafting	3
MET121	CAD I: Mechanical (Solid Works)	3
MET122	CAD II: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy	3
MFG101	Introduction to Manufacturing	3
MFG121	Manufacturing Processes I	4
MFG230	Statistics and Quality Control	3
MTH60R	Fundamentals of Algebra I Recitation	1
MTH65	Fundamentals of Algebra II or higher level math	4
MTH65R	Fundamentals of Algebra II Recitation	1
MTH95R	Intermediate Algebra Recitation	1
WLD101	Welding Fundamentals	3
WR121	English Composition I (if not taken as a required course)	4
WR227	Technical Writing	4

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 lbonney@roguecc.edu
Web address www.roguecc.edu/electronics
TTY Oregon Telecom Relay Service, 711

Electronics Technology

Associate of Applied Science Degree

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 proficiencies 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/P/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 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
MTH20	Pre-algebra I 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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-16

First Year Required Courses

Course No.	Course Title	Credits
First Term		
EET112	Introduction to Mechatronics	5
EET125	Electronics Fundamentals I (DC)	6
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
WR115	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 Communication 2

3-4
18-19

Second Term

EET126	Electronics Fundamentals II (AC)	7
EET130	Digital Fundamentals I	6
WR121	English Composition I	4
		17

Third Term

EET131	Digital Fundamentals II	6
EET140	Solid State Fundamentals	7
CS140	Introduction to Operating Systems	4
LIB127	Introduction to Library Research Methods	1
		18

Total First Year Credits 53-54

Second Year Required Courses

Course No. Course Title Credits

Fourth Term

CS227	PC Hardware Fundamentals and Repair	5
EET215	Operational Amplifiers and Linear Integrated Circuits	5
EET220	Solid State Devices	6
		16

Fifth Term

EET225	Electronics Troubleshooting	3
EET230	Radio Frequency Communications Fundamentals	6
EET240	Microcontrollers I	5
HE112	Emergency First Aid or approved health/first aid elective (see this catalog for approved list of electives)	1
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
		18

Sixth Term

EET205	International Society of Certified Electronics Technicians (ISCET) Certification Preparation	1
EET235	Microwave Applications	5
EET241	Microcontrollers II	5
EET250	Prototype Development and Documentation or EET280 Cooperative Work Experience/Electronics	4
—	Approved program elective(s)	0-5
		15-20

Total Second Year Credits 49-54

TOTAL PROGRAM CREDITS 102-108

Approved Program Electives

Course No.	Course Title	Credits
BA101	Introduction to Business	4
BT121	Introduction to e-Commerce	3
CHEM104	Introductory Chemistry I with lab and recitation	5
CS__	Any computer science course, CS125 or above	3-4
EET101	Introduction to Electronics	3
EET106	Electronics Assembly	3
EET113	Exploration of Alternative Energies	3
EET118	Introduction to Renewable Energy Systems	5
EET132	Digital Fundamentals III	5
EET180S	Cooperative Work Experience Seminar/Electronics	1
EET199	Selected Topics in Technology	1-5
EET280S	Cooperative Work Experience Seminar/Electronics	1

GS104	Physical Science with lab	4
GS105	Physical Science: Chemistry with lab	4
MET101	Mechanical Drafting	3
MET121	CAD I: Mechanical (SolidWorks)	3
MET122	CAD II: Mechanical (SolidWorks)	3
MFG101	Introduction to Manufacturing	3
MFG121	Manufacturing Processes I	4
MFG220	Research and Development Prototyping	4
MFG230	Statistics and Quality Control	3
MFG241	CNC Programming – Mill	4
MFG242	CAM I: Mastercam	4
MFG243	CAM II: Mastercam	4
MFG244	CNC Programming – Lathe	3
MTH65	Fundamentals of Algebra II or higher level math	4-5
MTH60R	Fundamentals of Algebra I Recitation	1
MTH65R	Fundamentals of Algebra II Recitation	1
MTH95R	Intermediate Algebra Recitation	1
MTH111R	College Algebra Recitation	1
MTH112R	Elementary Functions Recitation	1
SP111	Fundamentals of Public Speaking (if not taken as a required course)	4
WR122	English Composition II (if not taken as a required course)	4
WLD101	Welding Fundamentals	3
WR227	Technical Writing	4

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 WR121.

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 lbonney@rogucecc.edu
Web address www.rogucecc.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 or program, see www.rogucecc.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. Each College Now 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 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
MTH96	Applied Algebra II or 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 **0-15**

First Year Required Courses

Course No.	Course Title	Credits
First Term		
ECE100	Introduction to Early Childhood Education (ECE) or ED259 Foundations of Education (ELEM)	3
ECE163	Preschool/Primary Development (ECE) or ED165 Child Development (ELEM)	3
LIB127	Introduction to Library Research Methods	1
WR121	English Composition I	4
—	Approved humanities elective ²	4
		15

Second Term

ECE151	Guiding Children in Group Settings	3
ED170	Introductory Practicum	1
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR122	English Composition II	4
—	Approved social science (history) elective ³	4 16

Third Term

ECE175	Developmentally Appropriate Practices (ECE) or ECE240 Play-Based Learning	3
ED170	Introductory Practicum	1
HE250	Personal Health or HPE295 Health and Fitness for Life	3
—	Approved program electives	0-5
GEOG110	Introduction to Cultural and Human Geography	3
—	Approved science elective ⁴	3-5 13-20

Total First Year Credits

44-51

Second Year Required Courses

Course No.	Course Title	Credits
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Fourth Term

ECE246	Child, Family and Community	3
MTH211	Fundamentals of Elementary Math I with lab ⁵	5
—	Approved humanities elective ²	3-4
—	Approved lab science elective ⁴	4-5 15-17

Fifth Term

ECE244	Observation and Assessment	3
ECE256	Primary Curriculum (ECE)	3
MTH212	Fundamentals of Elementary Math II with lab ⁵	5
—	Approved lab science elective ⁴	4-5 15-16

Sixth Term

ECE245	Promoting Social and Emotional Development	3
ECE248	Children with Disabilities and Their Families or ECE265 Children at Risk	3
ECE266	Spanish for Early Childhood/Elementary Professionals	3
ECE275	Anti-bias Education	3
—	Approved humanities elective ²	4 16

Total Second Year Credits

46-49

TOTAL PROGRAM CREDITS

90-100

Approved Program Electives

Course No.	Course Title	Credits
ECE152	Fostering Creativity	3
ECE154	Children's Literature and Literacy	3
ECE241	Promoting Cognitive Development	3
ECE280	Cooperative Work Experience/Early Childhood Education	Variable
ECE285	The Early Childhood Professional (ECE)	3
MTH213	Fundamentals of Elementary Math III ⁵	5
SPAN101,102,103	First Year Spanish I, II, III	4-4-4
SPAN201	Second Year Spanish I	4

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.)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

³ Approved Social Science Electives

(Complete at least two courses, a minimum of 6 credits, from the following list. At least one must be a history course and one a geography course.)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Introduction to Archaeology	4-4
BA101	Introduction to Business	4
CJ101/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG120	World Regional Geography	3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
IS110,111	Introduction to International Studies	4-3
PS201,202,203	U.S. Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202,203	General Psychology I, II, III	4-4-3
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology/American Society	4-4
SOC211	Social Deviance and Social Control	3



SOC213	Race and Ethnicity in America	4
SOC218	Sociology of Gender	3
SOC225	Social Problems	4
SOC230	Introduction to Gerontology	4

4 Approved Science Electives

(Complete at least three courses, 11-15 credits, from the following list. At least two courses must have labs, and at least one course must be a physical science and one a biological science.)

Course No.	Course Title	Credits
BI100GB	Introductory Biology (non-lab course)	3
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III with lab	4-4-4
BI109	Marine Animals and Plants with lab	3
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics w/o lab	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
CS195+133JS	Web Authoring I (HTML/CSS) + Javascript I (taken together, equivalent to CS210 + 4 CS elective credits – non/lab)	4-4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

⁵ MTH213 highly recommended for transfer.

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
email	emicke@rogucecc.edu
Web address	www.rogucecc.edu/ecee
TTY	Oregon Telecom Relay Service, 711

Embedded Systems 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 Embedded Systems 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.rogucecc.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 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
EET112	Introduction to Mechatronics	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 Library Research Methods	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	4
WR122	English Composition II ²	4
WR227	Technical Writing	4
—	Approved humanities electives ³	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
CS240L	Advanced Operating Systems (Linux)	4
EET125	Electronics Fundamentals I (DC)	6
EET126	Electronics Fundamentals II (AC)	7
EET130	Digital Fundamentals I	6
EET131	Digital Fundamentals II	6
EET132	Digital Fundamentals III	5
EET240	Microcontrollers I	5
EET241	Microcontrollers II	2

Total Core Credits **56**

TOTAL PROGRAM CREDITS **107-108**

¹ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

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

(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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
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
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA164,165,166	Writing for Theater	4-4-4

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 Electronics Technology Department:

Grants Pass or Medford 541-245-7809
Toll free in Oregon800-411-6508, Ext. 7809
email lbonney@rogucecc.edu
Web Address www.rogucecc.edu/electronics
TTY Oregon Telecom Relay Service, 711

Emergency Medical Services Certificate of Completion

About the Program

The Emergency Medical Services (EMS) one-year 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.rogucecc.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.rogucecc.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.rogucecc.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 a "C" or better grade.

Prerequisites

Students are strongly encouraged to meet with an Emergency Services Department advisor prior to beginning any coursework.

Course No.	Course Title	Credits
BI211	General Biology I ¹	4
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ^{2,3}	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I	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		4-19

Required Courses

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI231	Anatomy and Physiology I with lab	4
ES105	Introduction to Emergency Services	4
ES131	EMT Part I	4
ES131L	EMT Part I Lab	1
		16

Second Term

BI232	Anatomy and Physiology II with lab	4
ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
EMS170	Emergency Communication and Documentation	2
MTH96	Applied Algebra II or MTH95 Intermediate Algebra or higher level math	4
		15

Third Term

BI233	Anatomy and Physiology III with lab	4
EMS205	Crisis Management	3
ES268	Emergency Service Rescue	3
EMS171	Emergency Patient Transportation or FRP253 Apparatus Driver	2-3
WR121	English Composition I	4
—	Approved program elective	0-8
		16-25

TOTAL PROGRAM CREDITS

47-56

Approved Program Electives

Course No.	Course Title	Credits
AH110	Medical Terminology: Clinical	3
BT102	Introduction to Supervision	3
BT111	Conflict Management	2
CG144	Introduction to Assertiveness	1
CHEM104	Introductory Chemistry I with lab and recitation	5
CJ243/SOC243	Drugs, Crime and Addiction	4
EMS160	Electrocardiogram (ECG) Interpretation	2
EMS165	Introduction to Pharmacology for Health Occupations	2
EMS280	Cooperative Work Experience/EMS	1-6
FRP251	Firefighter Level I ⁴	3
FRP251L	Firefighter Level I Lab ⁴	5
FRP261	Hazardous Materials First Responder Operations	1
FRP285	Fire Instructor I	3
HC100	Community Health Worker	6
HCI120	Introduction to the Health Care Industry	3

HPE295	Health and Fitness for Life	3
ITP101	Sign Language	2
LIB127	Introduction to Library Research Methods	1
MTH95R	Intermediate Algebra Recitation	1
MTH105	Introduction to Contemporary Mathematics	4
MTH243	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 vwallace@rogucecc.edu
Web address www.rogucecc.edu/emergencyservices
TTY Oregon Telecom Relay Service, 711

Emergency Medical Services: EMT Career Pathways Certificate

About the Program

The Emergency Medical Technician (EMT) 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/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.rogucecc.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.rogucecc.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.rogucecc.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 to be eligible to sit for the state and National Registry EMT exams. 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 screening 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 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.

Emergency Medical Services: EMT: Career Pathways Certificate (24-30 credits)

- EMT-Entry Level ¹

Emergency Medical Services: Certificate of Completion (47-56 credits)

- EMT ¹

Paramedic: Associate of Applied Science (AAS) degree (103-108 credits)

- EMT ¹

Dual Fire/ Paramedic AAS Degrees 3-year: Associate of Applied Science (AAS) degree (153 credits)

- Firefighter/Paramedic ¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/

Graduation Requirements

Students completing all credits outlined in this program with a grade of "C" or better will earn an EMT pathway certificate. 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

Students are strongly encouraged to meet with an ES Department advisor prior to beginning any coursework.

Course No.	Course Title	Credits
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 **0-12**

Required Courses

Course No.	Course Title	Credits
First Term		
ES105	Introduction to Emergency Services	4
ES131	EMT Part I	4
ES131L	EMT Part I Lab	1
ES268	Emergency Service Rescue	3
		12
Second Term		
ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
EMS170	Emergency Communication and Documentation	2
EMS171	Emergency Patient Transportation or	
	FRP253 Apparatus Driver	2-3
—	Approved program elective	3-8
		12-18

TOTAL CREDITS

24-30

Approved Pathway Electives

Course No.	Course Title	Credits
BI211	General Biology I	4
CJ243/SOC243	Drugs, Crime and Addiction	4
EMS160	Electrocardiogram (ECG) Interpretation	2
FRP251	Firefighter Level I ¹	3
FRP251L	Firefighter Level I Lab ¹	5
FRP261	Hazardous Materials First Responder Operations	1
HC100	Community Health Worker	6
HCI120	Introduction to the Health Care Industry	3
HPE295	Health and Fitness for Life	3
MO100	Medical Terminology	3
MTH60	Fundamentals of Algebra I or higher level math	4
PSY101	Psychology of Human Relations or	
	BT101 Human Relations in Organizations	3
SP111	Fundamentals of Public Speaking or	
	SP218 Interpersonal Communications	4
WR115	Introduction to Expository Writing	3
WR121	English Composition I	4
—	Any foreign language	4
—	Approved social science elective (see this catalog for approved list of electives)	3-4

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 vwallace@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 with 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 44-45 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 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. Certain required courses are also 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

Course No.	Course Title	Credits
CS____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH95	Intermediate Algebra 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 **0-11**

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Library Research Methods	1
MTH243	Probability and Statistics with lab	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II	4
—	Approved humanities electives ²	9-12
—	Approved science electives ³	11-15
—	Approved social science electives ⁴	9-12

Total General Education Requirements **46-56**

Core Requirements

Course No.	Course Title	Credits
CS125d	Digital 3D Graphics I	3
CS125dp	Introduction to Digital Photography	3
CS125dv	Introduction to Digital Video	3
CS125f	Introduction to Flash	3
CS133js	Javascript Programming	4
CS140	Introduction to Operating Systems	4
CS195	Web Authoring I (HTML/CSS)	4
CS196	Web Authoring II (HTML/CSS)	4
GD140	Electronic Publishing Applications I	3
GD150	Computer Illustration (Illustrator)	3
GD160	Digital Imaging (Photoshop)	3
—	Approved computer science/graphics design electives ⁵	7-8

Total Core Credits **44-45**

TOTAL PROGRAM CREDITS **90-101**

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)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

³ Approved Science Electives

(complete at least three courses, two of which must have labs, from the following list, 11-15 credits)

Course No.	Course Title	Credits
BI100GB	Introductory Biology (non-lab course)	3
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III with lab	4-4-4
BI109	Marine Animals and Plants with lab	4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics (non-lab course)	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

⁴ Approved Social Science Electives

(complete at least three courses from the following list, 9-12 credits)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business	4
CJ101/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Cultural and Human Geography	3

GEOG120	World Regional Geography	3
HE250,HPE295	Personal Health/Health and Fitness for Life	3-3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
IS110,111	Introduction to International Studies	4-3
PS201,202,203	American Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology: American Society	4-4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in America	4
SOC218	Sociology of Gender	4
SOC225	Social Problems	4
SOC230	Introduction to Gerontology	4

5 Approved Computer Science/Graphic Design Electives

(complete at least two courses from the following list for a minimum of 7-8 credits)

Course No.	Course Title	Credits
CS125dw	Dreamweaver I	3
CS133b	Visual Basic	4
CS135dv	Advanced Digital Video	3
CS161	Computer Science I	4
CS162	Computer Science II	4
CS235	Word Press/Content Management Systems (CMS)	3
CS235w	Website Design I	4
GD120	Digital Graphic Design I	3
GD141	Electronic Publishing Applications II	3
GD220	Graphic Design II	3
GD260	Web Graphics	4

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	cdileva@rogucecc.edu or bfrederickson@rogucecc.edu
Web address	www.rogucecc.edu/computerscience
TTY	541-956-7338 or 541-245-7587

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 a wide variety of career fields. Students needing 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 business sites. Credits earned in this program may be applied to other RCC certificates or degrees. Students should be aware that criminal back-ground 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.rogucecc.edu/Programs/LearningOutcomes.

Entry Requirements

Students must submit a completed 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-algebra or designated placement test score as shown on current indicator chart or other department-approved math ¹	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart ¹	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart ¹	0-4

Total Prerequisite Credits **0-12**

Core Requirements

Course No.	Course Title	Credits
—	College-level credits related to career direction ^{1,2}	15-33

Work-based Training Courses

Course No.	Course Title	Credits
EST101	Employment Skills Training	4-9

TOTAL PROGRAM CREDITS **19-42**

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.

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	jburkes@rogucecc.edu or pguthmiller@rogucecc.edu
Web address	www.rogucecc.edu/ICT
TTY	Oregon Telecom Relay Service, 711

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. Students may want to consider co-enrollment at Southern Oregon University to complete some of the engineering courses required for the joint SOU/Oregon State University programs. For more information on the SOU/OSU program, contact the SOU Physics Department at 541-552-6476.

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.

Course No.	Course Title	Credits
WR121	English Composition I	4
WR122	English Composition II	4
SP111	Fundamentals of Public Speaking	4
MTH251	Calculus I (Differential) with lab	5
MTH252	Calculus II (Integral) with lab	5
MTH253	Calculus III with lab	5
MTH254	Vector Calculus with lab	5
CHEM221	General Chemistry I with lab and recitation	5
CHEM222	General Chemistry II with lab and recitation	5
CHEM223	General Chemistry III with lab and recitation	5
PH211	General Physics I (Calculus Based) with lab and recitation	5
PH212	General Physics II (Calculus Based) with lab and recitation	5
PH213	General Physics III (Calculus Based) with lab and recitation	5

Oregon public universities offering degrees in engineering:

Oregon Tech	www.oit.edu
Oregon State University	www.oregonstate.edu
Portland State University	www.pdx.edu
Southern Oregon University	www.sou.edu

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.

Course No.	Course Title	Credits	AAOT Category
ENG107	World Literature I	4	Humanities
ENG108	World Literature II	4	Humanities
ENG109	World Literature III	4	Humanities
ENG204	Survey of English Literature I	4	Humanities
ENG205	Survey of English Literature II	4	Humanities
ENG206	Survey of English Literature III	4	Humanities
MTH111	College Algebra	4	Math
SPAN201*	Second Year Spanish I	4	Humanities
SPAN202*	Second Year Spanish II	4	Humanities
SPAN203*	Second Year Spanish III	4	Humanities

*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

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.

Course No.	Course Title	Credits	AAOT Category
BI211 with lab	General Biology I	4	Science
BI212 with lab	General Biology II	4	Science
BI213 with lab	General Biology III	4	Science
ECON201	Principles of Microeconomics	4	Social Science
ECON202	Principles of Macroeconomics	4	Social Science
MTH111	College Algebra	4	Math
MTH112	Elementary Functions	4	Math
MTH243	Probability & Statistics	4	Math
SP111	Fundamentals of Public Speaking	4	Humanities
WR121	English Composition I	4	Writing
WR122	English Composition II	4	Writing
WR227	Technical Writing	4	Elective

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
Oregon State University	www.oregonstate.edu

Family Support Services

Associate of Applied Science Degree (pending approval by the State Board of Education)

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.

State approval of this program is expected in October.

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. 7006 or Ext. 7504
 email atemple@roguecc.edu or chenney@roguecc.edu
 Web address www.roguecc.edu/ecee
 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 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 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 employability 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
FRP251	Firefighter Level I ¹	3
FRP251L	Firefighter Level I Lab ¹	5
MTH20	Pre-algebra or designated placement test score as shown on current indicator chart	4
RD30	College Reading or designated placement test score as shown on current indicator chart	4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	3
CS____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ²	<u>0-4</u>

Total Prerequisite Credits

19-23

Required Core Courses

Course No.	Course Title	Credits
First Term		
FRP199	Workshop: Selected Topics	3
FRP256	Fire Behavior and Combustion	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
WR121	English Composition I	<u>4</u>
		14
Second Term		
FRP233	Firefighter Safety and Survival	3
FRP249	Fire Service Leadership	3
FRP285	Fire Instructor I	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	<u>4</u>
		13
Third Term		
FRP238	Public Education, Relations and Information	3
FRP273	Fire Investigation	3
FRP274	Firefighting Strategy and Tactics	3
PS203	United States Government III	<u>2</u>
		12
Fourth Term		
FRP199	Workshop: Selected Topics	2
FRP282	Introduction to Codes and Related Ordinances	3
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
BA214	Business Communications or WR227 Technical Writing	<u>4</u>
		12

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
 email jpetronella@roguecc.edu
 TTY Oregon Telecom Relay Service, 711

Fire Prevention/Investigation Certificate of Completion

About the Program

The Fire Prevention/Investigation one-year 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 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 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
FRP251	Firefighter Level I ¹	3
FRP251L	Firefighter Level I Lab ¹	5
MTH20	Pre-algebra or designated placement test score as shown on current indicator chart	4
RD30	College Reading or designated placement test score as shown on current indicator chart	4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	3
CS____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ²	0-4

Total Prerequisite Credits 19-23

Required Courses

Course No.	Course Title	Credits
First Term		
FRP256	Fire Behavior and Combustion	3
FRP264	Building Construction for Fire Protection	3
FRP282	Introduction to Codes and Related Ordinances	3
MTH63	Applied Algebra I or	
	MTH60 Fundamentals of Algebra I or higher level math	4
WR121	English Composition I	4
Second Term		
FRP241	Fire Prevention Inspections	3
FRP246	Hazardous Materials I for Inspectors	3
FRP262	Fundamentals of Fire Prevention	3
FRP272	Fixed Systems and Extinguishers	3
SP111	Fundamentals of Public Speaking or	
	SP218 Interpersonal Communication	4
		16

Third Term

FRP199	Workshop: Selected Topics	3
FRP238	Public Education, Relations and Information	3
FRP243	Advanced Fire and Arson Investigation	3
FRP273	Fire Investigation	3
PSY101	Psychology of Human Relations or	
	BT101 Human Relations in Organizations	3
		15

TOTAL PROGRAM CREDITS 48

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
email	jpetronella@roguecc.edu
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 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 degrees. 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

Course No.	Course Title	Credits
MTH20	Pre-algebra or designated placement test score as shown on current indicator chart	4
RD30	College Reading (or designated placement test score as shown on current indicator chart	4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	3
CS_____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4

Total Prerequisite Credits **11-15**

First Year Required Courses

Course No.	Course Title	Credits
First Term		
ES105	Introduction to Emergency Services	4
FRP251	Firefighter Level I ²	3
FRP251L	Firefighter Level I Lab ²	5
FRP256	Fire Behavior and Combustion	3
FRP261	Hazardous Materials First Responder Operations	1
		16

Second Term

ES131	EMT Part I	4
ES131L	EMT Part I Lab	1
FRP233	Firefighter Safety and Survival	3
FRP252	Firefighter Level II	4
FRP262	Fundamentals of Fire Prevention	3
WR121	English Composition I	4
		19

Third Term

ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
FRP130	Basic Wildland Firefighter	3
ES268	Emergency Service Rescue	3
LIB127	Introduction to Library Research Methods	1
PSY101	Psychology of Human Relations or	
	BT101 Human Relations in Organizations	3
		15

Total First Year Credits **50**

Second Year Required Courses

Course No.	Course Title	Credits
Fourth Term		
FRP253	Fire Apparatus Driver	3
FRP282	Introduction to Codes and Related Ordinances	3
MTH63	Applied Algebra I or	
	MTH60 Fundamentals of Algebra I or higher level math	4
SP111	Fundamentals of Public Speaking or	
	SP218 Interpersonal Communication	4
—	Approved program elective	3
		17

Fifth Term

FRP249	Fire Service Leadership	3
FRP258	Pumper Operator	3
FRP272	Fixed Systems and Extinguishers	3
FRP295	Health and Fitness for Emergency Service Workers	3
—	Approved program elective	0-3
		12-15

Sixth Term

FRP259	Water Supply Operations	3
FRP264	Building Construction for Fire Protection	3
FRP273	Fire Investigation	3
FRP274	Firefighting Strategy and Tactics	3
FRP280	Cooperative Work Experience/Fire Science	3
—	Approved program elective	0-3
		15-18

Total Second Year Credits **44-50**

TOTAL PROGRAM CREDITS **94-100**

Approved Program Electives

(3-9 credits required)

Course No.	Course Title	Credits
FRP99	Outreach: Selected Topic	0-3
FRP131	Advanced Wildland Firefighter	1
FRP199	Workshop: Selected Topic	1-3
FRP200	Initial Attack Incident Commander	1
EMS205	Crisis Management	3
FRP211	Hiring Practices in the Fire Service	3
FRP215	Fire Operations in the Wildland/Urban Interface	3
FRP230	Wildland Single Resource Boss	2
FRP231	Wildland Engine Boss	1
FRP238	Public Education, Relations and Information	3
FRP241	Fire Prevention Inspections	3
FRP243	Advanced Fire and Arson Investigation	3
FRP246	Hazardous Material I for Inspectors	3
FRP269	Aircraft Firefighting	3
FRP283	Followership to Leadership	1
FRP285	Fire Instructor I	3
FRP286	Fire Instructor II	3
FRP290	Intermediate Wildland Fire Behavior	3
PS203	United States Government III	3

¹ Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

² FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

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

email jpetronella@roguecc.edu

TTY Oregon Telecom Relay Service, 711

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.

Fire Science: Firefighter: Career Pathways Certificate (36 credits)

- Structural Firefighter-Entry Level ¹
- Wildland (forest) Firefighter-Entry Level ¹

Fire Science: Associate of Applied Science (AAS) degree (94-100 credits)

- Structural Firefighter ¹
- Wildland (forest) Firefighter ¹

Fire Officer: Certificate of Completion (51 credits)

- Structural Firefighter officer ¹
- Wildland (forest) Firefighter officer ¹

Fire Prevention/Investigation: Certificate of Completion (48 credits)

- Fire Inspectors and Investigators ¹

Dual Fire/ Paramedic AAS Degrees 3-year: Associate of Applied Science (AAS) degree (153 credits)

- Firefighter/Paramedic ¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program roadmap at www.roguecc.edu/CareerPathways/

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-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		0-11

Required Courses

Course No.	Course Title	Credits
First Term		
FRP251	Firefighter Level I ¹	3
FRP251L	Firefighter Level I Lab ¹	5
FRP256	Fire Behavior and Combustion	3
FRP261	Hazardous Materials First Responder Operations	1
		12
Second Term		
ES131	EMT Part I	4
ES131L	EMT Part I Lab	1
FRP233	Firefighter Safety and Survival	3
FRP252	Firefighter Level II	4
		12
Third Term		
ES105	Introduction to Emergency Services	4
ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
FRP130	Basic Wildland Firefighter	3
		12
TOTAL PROGRAM CREDITS		36

¹ FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

For more information contact the Emergency Services Department:

www.roguecc.edu/EmergencyServices

Grants Pass or Medford. 541-245-7965

Toll free in Oregon 800-411-6508, Ext. 7965

Web address www.roguecc.edu/emercyncservices

email jpetronella@roguecc.edu

TTY Oregon Telecom Relay Service, 711

Fitness Technician Certificate of Completion

About the Program

The Fitness Technician 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 a fitness technician 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. Fitness technicians 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 National Personal Trainer and the Group Fitness Instructor certifying examinations given by the American Council on Exercise (ACE).

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 coordinator'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 coordinator before being accepted toward core requirements. Each student with College Now credit must meet with the department coordinator 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 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
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH20	Pre-algebra or designated placement test score as shown on current indicator chart)	0-4
RD30	College Reading II or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4
Total Prerequisite Credits		0-16

Required Core Courses

Course No.	Course Title	Credits
First Term		
BI121	Elementary Anatomy and Physiology I with lab or BI231 Human Anatomy and Physiology I with lab 2 or BI100SB Biology of Human Body Systems	3-4
HPE295	Health and Fitness for Life	3
PE185D	Physical Conditioning/Weight Training	1
PE185K	Core and Cardio or PE185N Circuit Fitness Training or PE185T Toning, Training and TRX	1
PE264	Fitness Assessment and Exercise Prescription or HE259 Care and Prevention of Athletic Injury	2-3
WR115	Introduction to Expository Writing or BT113 Business English I or higher level composition class ³	3-4
		13-16
Second Term		
HE131	Introduction to Exercise and Sport Science	3
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or BT160 Business Math or higher level math	4
NFM225	Nutrition	4

PE185E	Yoga or PE185J Pilates or PE185L Lap Swimming or PE185Q Aquatics for Personal Trainers or PE185M Multi-level Aerobics	1
PE194	Principles of Strength Training and Conditioning	2
		14

Third Term

BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
BT178	Customer Service	3
HE252	First Aid/CPR or HE253 Wilderness First Aid/CPR	3
PE280	Cooperative Work Experience/Physical Education	2
PE290	Fitness Instructor	2
SOC230	Introduction to Gerontology or PSY215 Lifespan Human Development ⁴	4
		17

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.

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.

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	adowell@roguecc.edu or chenney@roguecc.edu
Web address	www.roguecc.edu/HPER
TTY	Oregon Telecom Relay Service, 711

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.

Oregon public universities offering degrees in this subject:

Portland State University	www.pdx.edu
Oregon State University	www.oregonstate.edu
University of Oregon	www.uoregon.edu
Southern Oregon University (Minor)	www.sou.edu

Graphic Design

Associate of Applied Science Degree

About the Program

This program is for students interested in visual communication and digital arts and prepares them for entry-level employment in graphic design, Web design and advertising design positions within organizations. Courses cover principles of design, creative problem solving, art/design history, drawing, typography, and portfolio building. With core instruction based in aesthetic concepts and computer graphics applications, students learn to develop and integrate strong design technique with computer skill sets. These include instruction in digital imaging, graphic illustration, publication design, and Web authoring, as well as opportunities for instruction in video production, 3D modeling, digital animation and digital photography.

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.

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

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency ¹	0-4
MTH20	Pre-algebra 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 **0-12**

General Education Requirements

Course No.	Course Title	Credits
HE250	Personal Health or HE252 First Aid/CPR or	

	HPE295 Health and Fitness for Life or HE261 CPR or HE112 Emergency First Aid	1-3
LIB127	Introduction to Library Research Methods	1
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4

Total General Education Credits **17-19**

Required Core Courses

Course No.	Course Title	Credits
ART115	Basic Design (Composition)	3
ART116	Basic Design (Color Theory)	3
ART131	Introduction to Drawing (Value)	3
ART132	Introduction to Drawing (Line) or ART234 Figure Drawing I	3
ART222	Graphic Design II (Typography) or ART237 Illustration (Black and White Media)	3
ART245	Drawing for Graphic Design	3
BT106	Advertising or BA223 Principles of Marketing	3
CS125dw	Dreamweaver I	3
CS195	Web Authoring I (HTML/CSS)	4
CS235	Word Press/Content Management Systems (CMS)	3
GD120	Digital Graphic Design I	3
GD140	Electronic Publishing Applications I	3
GD141	Electronic Publishing Applications II	3
GD150	Computer Illustration (Illustrator)	3
GD160	Digital Imaging (Photoshop)	3
GD200	Survey of Graphic Design History	3
GD220	Digital Graphic Design II	3
GD223	Digital Graphic Design III	3
GD224	Digital Graphic Design IV	3
GD227	Production Graphics	3
GD229	Digital Portfolio and Professional Practices	3
GD230	Digital Graphic Design Studio	3
—	Approved program electives	6-8

Total Required Core Credits **73-75**

TOTAL PROGRAM CREDITS **90-94**

Approved Program Electives

(6-8 credits required)

Course No.	Course Title	Credits
ART132	Introduction to Drawing (Line) (if not taken as core requirement)	3
ART204	History of Art I	4
ART205	History of Art II	4
ART206	History of Art III	4
ART222	Graphic Design II (Typography) (if not taken as core requirement)	3
ART234	Figure Drawing (if not taken as core requirement)	3
ART237	Illustration (Black and White Media) (if not taken as core requirement)	3
ART238	Illustration (Color Media)	3
ART239	Illustration (Perspective)	3
ART281	Painting I	3
ART294	Watercolor I	3
BA233	Internet Marketing	3
BA243	Social Media Marketing	3
CS125d	Digital 3D Graphics	3
CS125dp	Digital Photography	3

CS125dv	Introduction to Digital Video	3
CS125f	Introduction to Flash	3
CS133js	JavaScript I	4
CS135dv	Advanced Digital Video	3
CS140	Introduction to Operating Systems	4
CS196	Web Authoring II (HTML/CSS)	4
CS235w	Website Design I	4
CS247	Web Analytics and Search Engine Optimization	3
GD170	Motion Graphics (After Effects)	3
GD260	Web Graphics	4
GD280	Cooperative Work Experience/Graphic Design	variable
MTH	Any math course, MTH65 or higher	variable

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 cdileva@roguecc.edu or bfrederickson@roguecc.edu
Web address www.roguecc.edu/computerscience
TTY Oregon Telecom Relay Service, 711

Graphic Design Certificate of Completion

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 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
CS120	Concepts in Computing I or documented computer proficiency ¹	0-4
MTH20	Pre-algebra (or designated placement test score as shown on current indicator chart)	0-4
WR115	Introduction to Expository Writing or BT113 Business English I (or designated placement test score as shown on current indicator chart)	0-4

Total Prerequisite Credits **0-12**

Required Technical Courses

Course No.	Course Title	Credits
First Term		
WR121	English Composition I	4
PSY101	Psychology of Human Relations	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
		11

Second Term

ART115	Basic Design (Composition)	3
ART131	Introduction to Drawing (Value)	3
GD120	Digital Graphic Design I	3
GD160	Digital Imaging (Photoshop)	3
		12

Third Term

ART116	Basic Design (Color Theory)	3
ART132	Introduction to Drawing (Line) or ART234 Figure Drawing I	3
GD140	Electronic Publishing Applications I (InDesign)	3
GD150	Computer Illustration (Illustrator)	3
		12

Fourth Term

ART237	Illustration (Black and White Media) or ART222 Graphic Design II (Typography)	3
CS125dw	Dreamweaver I	3
GD220	Digital Graphic Design II	3
GD227	Production Graphics	3
		12

TOTAL PROGRAM CREDITS **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 cdileva@roguecc.edu or bfrederickson@roguecc.edu
Web address www.roguecc.edu/computerscience
TTY Oregon Telecom Relay Service, 711

Graphic Design: Adobe® Applications Technician Career Pathways Certificate

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 employment in various design-related industries and fields, including Web design, graphic design, publishing, advertising, media/printing/editing, or begin careers as freelance designers.

Students enrolled in the Adobe® Applications Technician Certificate will use the books recommended by Adobe® for preparation in becoming an Adobe® Certified Expert (ACE). Students who are interested in becoming an ACE can begin by earning the Adobe® Applications Technician Certificate.

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 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.

Graphic Design: Adobe® Applications Technician Career Pathways Certificate of Completion (15 credits)

- Entry-level desktop publisher ¹

Graphic Design Associate of Applied Sciences (AAS) (90-94 credits)

- Advanced-level desktop publisher ¹
- Advanced-level graphic design ¹
- Advanced-level computer specialist ¹

Management SOU, Bachelor of Applied Science articulated with RCC's AAS degrees

- Supervisor/manager ¹
- Business owner ¹
- Marketing Manager

Graphic Designer Portland State University, Master of Fine Arts, not articulated

- Multimedia/computer specialist ¹
- Teacher ¹

Website Design Certificate of Completion (49 credits)

- Desktop publisher ¹
- Entry-level graphic designer ¹

Digital/Media Arts SOU, Bachelor of Arts or Science, not articulated

- Multimedia/computer specialist 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 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credit
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4
CS120	Concepts in Computing I or documented computer proficiency	0-4

Total Prerequisite Credits 0-16

Required Courses

Course No.	Course Title	Credit
CS125dw	Dreamweaver I	3
CS125f	Introduction to Flash	3
GD140	Electronic Publishing Applications I	3
GD150	Computer Illustration: Illustrator	3
GD160	Digital Imaging: Photoshop	3

TOTAL PROGRAM CREDITS 15

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 cdileva@roguecc.edu or bfrederickson@roguecc.edu

Web address www.rogue.edu/computerscience

TTY Oregon Telecom Relay Service, 711

Graphic Design: Website Design Certificate of Completion

About the Program

The Website Design four-term certificate program is designed to give students a solid foundation in layout/design concepts with basic knowledge and skills in Web page and website design using Web authoring software, HTML, CSS, and scripting. 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 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 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
CS120	Concepts in Computing I or documented proficiency	0-4
WR115	Introduction to Expository Writing or BT113 Business English I or designated placement test score as shown on current indicator chart	<u>0-4</u>

Total Prerequisite Credits **0-8**

Required Technical Courses

Course No.	Course Title	Credits
First Term		
PSY101	Psychology of Human Relations	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math course	4
GD120	Digital Graphic Design I	<u>2</u> 10
Second Term		
ART115	Basic Design (Composition) or ART116 Basic Design (Color Theory)	3
GD160	Digital Imaging (Photoshop)	3
CS125dw	Introduction to Dreamweaver	3
CS195	Web Authoring I (HTML/CSS)	<u>4</u> 13
Third Term		
CS196	Web Authoring II (HTML/CSS)	4
MTH96	Applied Algebra II or MTH65 Fundamentals of Algebra II or higher level math	4
WR121	English Composition I	<u>4</u> 12
Fourth Term		
CS235	Word Press/Content Management Systems (CMS)	3
CS235w	Website Design I	4
CS247	Web Analytics and Search Engine Optimization	3
GD260	Web Graphics	<u>4</u> 14

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	.cdileva@roguecc.edu or bfrederickson@roguecc.edu
Web address	www.roguecc.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.

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency	0-4
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or designated placement test score as shown on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	<u>0-4</u>

Total Prerequisite Credits **0-12**

General Education Requirements

Course No.	Course Title	Credits
PSY101	Psychology of Human Relations	3
MTH65	Fundamentals of Algebra II or MTH96 Applied Algebra II or higher level math	4
WR115	Introduction to Expository Writing or higher level composition	3
Total General Education Requirements		10

Required Courses

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI121	Elementary Anatomy and Physiology I with lab or BI231 Human Anatomy and Physiology II with lab	4
BI122	Elementary Anatomy and Physiology II with lab or BI232 Human Anatomy and Physiology II with lab	4
CS125db	Data Base Management Systems	3
CS140	Introduction to Operating Systems	4
CS179	Introduction to Networks	4
CS225	Computer End-user Support I	4
CS227	PC Hardware Fundamentals and Repair	5
HCI120	Introduction to the Health Care Industry	3
HCI210	Legal Aspects of Medical Records	3
HCI255	Introduction to Health Care Informatics	3
—	Approved program elective(s)	3-5
Total Required Courses		43-45

TOTAL PROGRAM CREDITS **53-55**

Approved Program Electives

(3-5 credits required)

Course No.	Course Title	Credits
CG155	Exploring Careers in Health Care	3
CHEM104	Introductory Chemistry I with lab and recitation	5
CS125ss	Spreadsheet Applications	3
HE261	CPR or HE112 Emergency First Aid or HE250 Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life	1-3

For more information contact the Allied Health Department:

Grants Pass	541-956-7213
Medford	541-245-7527
Toll free in Oregon	800-411-6508, Ext. 7213 or Ext. 7527
email	dpliegier@rogucecc.edu
Web address	www.rogucecc.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.

Course No.	Course Title	Credits	AAOT Category
BI211	General Biology I with lab and recitation	4	Science
BI212	General Biology II with lab and recitation	4	Science
BI213	General Biology III with lab and recitation	4	Science
BI231	Anatomy and Physiology I with lab and recitation	4	Science
BI232	Anatomy and Physiology II with lab and recitation	4	Science
BI233	Anatomy and Physiology III with lab and recitation	4	Science
CHEM104	Introductory Chemistry I with lab and recitation	5	Science
CHEM105	Introductory Chemistry II with lab and recitation	5	Science
CHEM106	Introductory Chemistry III with lab and recitation	5	Science
HE250	Personal Health	3	Health/PE
HPE295	Health and Fitness for Life	3	Health/PE
MTH111	College Algebra	4	Math
MTH243	Probability and Statistics	4	Math
PSY201	General Psychology I	4	Social Science
PSY202	General Psychology II	4	Social Science
PSY215	Life Span Human Development	4	Social Science
SOC204	Introduction to Sociology	4	Social Science

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

Health and Physical Education 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 health and physical education. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 44-47 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 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.rogucecc.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 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 as shown on current indicator chart	0-4
MTH95	Intermediate Algebra 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	<u>0-4</u>
Total Prerequisite Credits		0-16

General Education Requirements

Course No.	Course Title	Credits
BI211	General Biology I with lab	4
BI212	General Biology II with lab	4
BI213	General Biology III with lab	4
LIB127	Introduction to Library Research Methods	1
MTH111	College Algebra	4
MTH243	Probability and Statistics	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II	4
—	Approved humanities electives ²	10-12
—	Approved social science electives ³	<u>3-4</u>
Total General Education Requirements		46-49

Core Requirements

Course No.	Course Title	Credits
BI231	Anatomy and Physiology I with lab	4
BI232	Anatomy and Physiology II with lab	4
BI233	Anatomy and Physiology III with lab	4
HE208	HIV and Other Epidemics	1
HE250	Personal Health	3
HE252	First Aid/CPR	3
HE253	Wilderness First Aid/CPR	3
HPE295	Health and Fitness for Life	3
NFM225	Nutrition	4
PE185	Physical Education	6
PE194	Principles of Strength Training and Conditioning	2
PE199	Special Studies in Physical Education or HE199 Special Studies in Health or HE131 Introduction to Exercise and Sport Science	1-3
PE264	Fitness Assessment and Exercise Prescription or HE259 Care and Prevention of Athletic Injury	2-3
PE280	CWE/Physical Education	2
PE290	Fitness Instructor	<u>2</u>
Total Core Credits		44-47

TOTAL PROGRAM CREDITS

90-96

¹Successful 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.)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

³ Approved Social Science Electives

(Complete at least one course from the following list, 3-4 credits.)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business	4
CJ101/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Cultural and Human Geography	3
GEOG120	World Regional Geography	3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
IS110,111	Introduction to International Studies	4-3
PS201,202,203	U. S. Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology, American Society	4-4
SOC211	Social Deviance and Social Control	3

SOC213	Race and Ethnicity in America	4
SOC218	Sociology of Gender	4
SOC225	Social Problems	4
SOC230	Introduction to Gerontology	4

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	adowell@rogucecc.edu or chenney@rogucecc.edu
Web address	www.rogucecc.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 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.rogucecc.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.rogucecc.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.

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.

Prerequisites

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4

MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-16**

General Education Courses

Course No.	Course Title	Credits
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Mathematics

(Additional math classes may be required as prerequisites to some technical electives.)

MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4-5
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Communication

WR115	Introduction to Expository Writing or WR121 English Composition I	3-4
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Health/First Aid

HE112	Emergency First Aid	1
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Human Relations

BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	2
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Total General Education Credits **11-13**

Technology Area Credits

(a minimum of 39 credits required)

Course No.	Course Title	Credits
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CS ____	Any computer science course, CS125 or above (CS125s strongly recommended)	variable
AM120	Auto Maintenance and Trades Practices with lab	6
DS111	Basic Electricity for Diesel Technicians I with lab	7
DS120	Diesel Trades Practices with lab	6
DS260	Hydraulic Systems for Heavy Equipment	4
EET101	Introduction to Electronics	3
EET106	Electronic Assembly	3
EET112	Introduction to Mechatronics	5
EET113	Exploration of Alternative Energies	3
EET115	Applied Electronics Fundamentals	5
EET118	Introduction to Renewable Energy Systems	5
EET120	Renewable Energy Systems (RES) Site Analysis and Design	4
EET121	North American Board of Certified Energy Practitioners (NABCEP) Entry-level Preparation	2
EET125	Electronics Fundamentals I (DC)	6
EET126	Electronics Fundamentals II (AC)	7
EET130	Digital Fundamentals I	6
EET131	Digital Fundamentals II	6
EET132	Digital Fundamentals III	5
EET140	Solid State Fundamentals	7
EET240	Microcontrollers I	5
LAT122	Small Engine Repair	3
MET101	Mechanical Drafting	3
MET104	Applied Shop Practices	3
MET105/WLD104	Blueprint Reading - Mechanical	3
MET121	CAD I: Mechanical (SolidWorks)	3
MET122	CAD II: Mechanical (SolidWorks)	3
MET123	CAD III: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy	3

MFG101	Introduction to Manufacturing	3
MFG121	Manufacturing Processes I	4
MFG122	Manufacturing Processes II	4
MFG123	Manufacturing Processes III	4
MFG140	CNC Controls	2
MFG220	Research and Development Prototyping	4
MFG230	Statistics and Quality Control	3
MFG241	CNC Programming – Mill	4
MFG242	CAM I: Mastercam	4
MFG243	CAM II: Mastercam	4
MFG244	CNC Programming – Lathe	3
MFG255	Computer Integrated Manufacturing	4
MTH65	Fundamentals of Algebra II	4
WLD101	Welding Fundamentals I	3
WLD102	Welding Fundamentals II	3
WLD111	Technology of Industrial Welding I	6
WLD112	Technology of Industrial Welding II	6
WLD113	Technology of Industrial Welding III	6
WLD211	Technology of Industrial Welding IV	6
WLD212	Technology of Industrial Welding V	6
WLD213	Technology of Industrial Welding VI	6
WLD230	Introduction to Applied Motion	4
WLD250	Selected Topics in Welding	variable

Total Technology Area Credits **39**

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 lbonney@rogucecc.edu
Web address www.rogucecc.edu/electronics
TTY Oregon Telecom Relay Service, 711

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.rogucecc.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.rogucecc.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 pre-

requisites 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented proficiency ¹	0-4
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-16**

Required Core Courses

Course No.	Course Title	Credits
First Term		
EET101	Introduction to Electronics	3
MET105	Blueprint Reading – Mechanical	3
MFG101	Introduction to Manufacturing	3
MFG140	CNC Controls	2
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4 15

Second Term

EET112	Introduction to Mechatronics	5
MFG121	Manufacturing Processes I	4
WLD111	Technology of Industrial Welding I	6 15

Third Term

MFG122	Manufacturing Processes II	4
WLD250C	Selected Topics: SMAW	2
WLD230/250M	Introduction to Applied Motion	4
WR115	Introduction to Expository Writing 2	3 13

TOTAL PROGRAM CREDITS **43**

¹ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

² BT113 Business English I, 4 credits, may be taken in lieu of WR115 Introduction to Expository Writing.

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 lbonney@rogucecc.edu
Web address www.rogucecc.edu/electronics
TY 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 set 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.

Course No.	Course Title	Credits	AAOT Category
ENG107	World Literature I	4	Humanities
ENG108	World Literature II	4	Humanities
ENG109	World Literature III	4	Humanities
HST104	History of World Civilization I	4	Social Science
HST105	History of World Civilization II	4	Social Science
HST201	U.S. History I	4	Social Science
HST202	U.S. History II	4	Social Science
MTH111	College Algebra	4	Math
SPAN201*	Second Year Spanish I	4	Humanities
SPAN202*	Second Year Spanish II	4	Humanities
SPAN203*	Second Year Spanish III	4	Humanities
WR227	Technical Writing	4	Elective

*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

Human Services

Associate of Applied Science Degree

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 chair'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 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 ¹

Course No.	Course Title	Credits
CS__	Approved 3-4 credit computer science class, CS120 or above, or documented computer proficiency ²	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math or higher level math	4
PSY101	Psychology of Human Relations	3
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I	4
Total Prerequisite Credits		15-23

Required First Year Courses

Course No.	Course Title	Credits
First Term		
HS100	Introduction to Human Services	3
HS170	Introduction to Practicum	3
LIB127	Introduction to Library Research Methods	1
PSY201	General Psychology I	4
PSY231	Human Sexuality	3
SOC243	Drugs, Crime and Addiction	4
		18
Second Term		
CG144	Introduction to Assertiveness	1
HS152	Stress Management	1
HS155	Interviewing Theory and Techniques	4
HS175	Ethics for Counselors	1
HS261C	Human Services Practicum and Seminar	3
PSY202	General Psychology II	4
PSY228	Introduction to Positive Psychology	4
		18
Third Term		
HE208	HIV and Infectious Diseases	1
HS261D	Human Services Practicum and Seminar	4
HS115	Principles of Client Record Management	1

HS202	Counseling the Chemically Dependent Client I	3
HS158	Trauma-informed Care: Theory and Practice	3
PSY215	Life Span Human Development	4
—	Approved program elective	0-2
		16-18

Total First Year Credits **52-54**

Required Second Year Courses

Course No.	Course Title	Credits
Fourth Term		
HDFS260	Child Abuse and Neglect	3
HS201	Family Dynamics	3
HS210	Motivational Interviewing	3
HS261D	Human Services Practicum and Seminar	4
PSY219	Introduction to Abnormal Psychology	4
		17
Fifth Term		
HS260	Group Counseling	4
HS261D	Human Services Practicum and Seminar	4
HS266	Crisis Intervention Strategies	3
HS268	Co-occurring Disorders: Introductory Theory and Counseling	3
SOC230	Introduction to Gerontology	4
		18
Sixth Term		
HE261	CPR	1
HS261E	Human Services Practicum and Seminar	5
HS265	Counseling Theories	3
SOC213	Race and Ethnicity in America	4
—	Approved program electives	0-6
		13-19

Total Second Year Credits **48-54**

TOTAL PROGRAM CREDITS **100-108**

Approved Program Electives

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
HC100	Community Health Worker	6
HS204	Counseling Chemically Dependent Client II	3
PSY119	Psychology of Personal Growth	4
SOC211	Social Deviance and Social Control	3
SOC218	Sociology of Gender	4
SOC221/CJ201	Juvenile Delinquency	4
SOC225	Social Problems	4
SOC235	The Chicano/Latino Historical Experience	4
SOC237	Computer-mediated Communication	4

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 chenney@roguecc.edu
Web address www.roguecc.edu/humanservices
TTY Oregon Telecom Relay Service, 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. Admission to the SOU Human Services program requires a minimum grade of "C+" in BI101, BI211, HS266, MTH243, PSY201, PSY202, PSY215, and SOC204. 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 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 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 video-taped counseling interviews, 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 a "C" or better grade. A total of 264 hours (8 credits) of documented practicum is required and a minimum of two practicum seminars must also be completed.

Prerequisites ¹

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ²	0-4
MTH63	Applied Algebra I or	

	MTH60 Fundamentals of Algebra I or designated placement test score ³	0-4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I	<u>4</u>

Total Prerequisite Credits **11-19**

General Education Requirements

Course No.	Course Title	Credits
LIB127	Introduction to Library Research Methods	1
MTH243	Probability and Statistics with lab ³	4
SOC204	Introduction to Sociology	4
WR122	English Composition II	4
—	Approved humanities electives ⁴	9-12
—	Approved science electives ⁵	<u>11-15</u>

Total General Education Requirements **33-40**

Core Requirements

Course No.	Course Title	Credits
First Term		
HS100	Introduction to Human Services	3
HS170	Introduction to Practicum	3
PSY201	General Psychology I	4
SOC243	Drugs, Crime and Addiction	<u>4</u>
		14

Second Term

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	<u>4</u>
		15

Third Term

HE208	HIV and Infectious Diseases	1
HS115	Principles of Client Record Management	1
HS202	Counseling the Chemically Dependent Client I	3
HS261D	Human Services Practicum and Seminar	4
HS158	Trauma-informed Care: Theory and Practice	3
PSY215	Life Span Human Development	<u>4</u>
		16

Fourth Term

HDFS260	Child Abuse/Neglect	3
HS210	Motivational Interviewing	<u>3</u>
		6

Fifth Term

HS260	Group Counseling	4
HS266	Crisis Intervention Strategies	3
HS268	Co-occurring Disorders: Introductory Theory and Counseling	<u>3</u>
		10

Sixth Term

HS265	Counseling Theories	3
SOC230	Introduction to Gerontology	<u>4</u>
		7

Total Core Credits **68**

TOTAL PROGRAM CREDITS **101-108**

¹ Required for graduation.

² Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

³ MTH95 or MTH96 prerequisite required before enrolling in MTH243.

4 Approved Humanities Electives

(Complete at least three courses from the following list, 9-12 credits.)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

5 Approved Science Electives

(Complete at least three courses from the following list, 11-15 credits – at least two courses must have labs.)

Course No.	Course Title	Credits
BI100GB	Introductory Biology (non-lab course)	3
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III with lab	4-4-4
BI109	Marine Animals and Plants with lab	4
BI121,122	Elementary Anatomy and Physiology I, II with lab	4-4
BI149	Human Genetics (non-lab course)	3
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
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
CS195+133JS	Web Authoring I (HTML/CSS) + Javascript I (taken together, equivalent to CS210 + 4 CS elective credits – non lab)	4-4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III with lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104,105,106,107,108	Physical Science with lab	4-4-4-4-4
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
SC210	Environmental Resources with lab	4

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 Human Services Department:

Grants Pass or Medford 541-245-7504
Toll free in Oregon 800-411-6508, Ext. 7504
email chenney@rogucecc.edu
Web address www.rogucecc.edu/humanservices
TTY Oregon Telecom Relay Service, 711

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.rogucecc.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.rogucecc.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 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

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS ____	Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency) ¹	0-4
LIB127	Introduction to Library Research Methods	1
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
WR115	Introduction to Expository Writing ²	3
WR121	English Composition I ²	4
HE112	Emergency First Aid	1
Total General Education Credits		16-20

Credit for Prior Certification

(Work-based Learning)³

Course No.	Course Title	Credits
APR105	Apprenticeship Credit for Prior Learning • Airframe and Power Plant Technician – 16 credits • Boiler Operator – 11 credits • Tool and Die Maker – 22 credits • Millwright – 22 credits • Motor Winder – 22 credits	11-22
Total Credit For Prior Certification		11-22

Related Training

Course No.	Course Title	Credits
—	Credit toward an Associate of Applied Science degree earned through related apprenticeship training classes in these trades: • Airframe and Power Plant Technician – 37 credits • Boiler Operator – 24 credits • Tool and Die Maker – 24 credits • Millwright – 34 credits • Motor Winder – 46 credits	24-46

Approved Program Electives

Course No.	Course Title	Credits
—	Any college-level course (numbered 100 or above) to meet minimum degree requirement	2-39

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 Journeyman 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 cpierson@rogucecc.edu
Web address www.rogucecc.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 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 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

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
WR115	Introduction to Expository Writing or higher level composition	3
Total General Education Credits		10-14

Related Training

Course No.	Course Title	Credits
—	Credit toward a certificate earned through related apprenticeship training classes in these trades:	25-46

- Tool and Die Maker – 25 credits
- Millwright – 34 credits
- Motor Winder – 46 credits

TOTAL PROGRAM CREDITS REQUIRED

35-60

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 cperson@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 Cathy 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 of science 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.

Industrial Mechanics/Maintenance Technology: Mechanical Maintenance Apprenticeship
Career Pathways Certificate (24-37 credits)

- Entry-level airframe and power-plant technician ¹
- Entry-level boiler operator ¹

Industrial Mechanics and Maintenance Technology Apprenticeship
Certificate of Completion (35-60 credits)

- Electric motor winder ¹
- Millwright ¹
- Tool and die maker ¹
- Boiler operator ¹
- Airframe and power-plant technician ¹

Industrial Mechanics and Maintenance Technology Apprenticeship
Associate of Applied Science (AAS) (90 credits)

- Electric motor winder ¹
- Millwright ¹
- Tool and die maker ¹
- Boiler operator ¹
- Airframe and power-plant technician ¹

Operations Management
OIT' Bachelor of Science (BS) articulated
with RCC's Apprenticeship programs

- General and operations manager ¹

Management
SOU, Bachelor of Applied Science
articulated with RCC's AAS degrees

- Supervisor/manager ¹
- Business owner 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 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 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:	24-37
	• 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	cpiereson@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, pipefitting, 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 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 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.

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 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 ¹	3-4
CS —	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ^{1,2}	0-4
RD30	College Reading or designated placement test score as shown on current indicator chart	0-4
MTH20	Pre-algebra or designated placement test score as shown on current indicator chart	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 MTH60 Fundamentals of Algebra I or higher level math	4
WLD111	Technology of Industrial Welding I	<u>6</u> 14

Second Term

LIB127	Introduction to Library Research Methods	1
MFG116	Metrology	2
WLD104	Blueprint Reading – Mechanical	3
WLD112	Technology of Industrial Welding II	6
WLD221	Welding Codes, Procedures and Inspections	<u>3</u> 15

Third Term

BT114	Business English II or WR121 English Composition I or higher level composition ³	4
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
WLD113	Technology of Industrial Welding III	6
WLD121	Fabrication and Repair Practices I	<u>2</u> 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	<u>2</u> 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 MET160 Materials and Metallurgy	<u>3</u> 16

Sixth Term

WLD213	Technology of Industrial Welding VI	6
WLD280	Cooperative Work Experience/Welding	3
—	Approved program elective	<u>3-6</u> 12-15

Total Second Year Credits **46-50**

TOTAL PROGRAM CREDITS **93-97**

Approved Program Electives

(minimum of 3-6 credits required)

Course No.	Course Title	Credits
DS260	Hydraulic Systems for Heavy Equipment with lab	4
EET101	Introduction to Electronics	3
LAT122	Small Engine Repair	3
MET121	Computer Aided Drafting I: Mechanical (SolidWorks)	3
MET122	Computer Aided Drafting II: Mechanical (SolidWorks)	3
MET123	Computer Aided Drafting III: Mechanical (SolidWorks)	3
MFG123	Manufacturing Processes III	4
WLD160	American Welding Society (AWS) Certification Seminar: Plate	1
WLD230	Introduction to Applied Motion	4
WLD250	Selected Topics in Welding	variable
WLD260	American Welding Society (AWS) Certification Seminar: Pipe	1

— Any college-level course numbered 100 or above variable

¹ Required for graduation.

² Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

³ Students must complete either BT113 and BT114 or WR115 and WR121 (or higher level composition classes). Three credits of speech may be substituted for 3-4 credits of writing. Students who have successfully completed the 3-credit versions of BT113 and BT114 will have met 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 lbonney@rogucecc.edu

Web address www.rogucecc.edu/welding

TTY Oregon Telecom Relay Service, 711

Industrial Welding Technology Certificate of Completion

About the Program

Upon completion of this three-term certificate program, students will be qualified to test for certification to the American Welding Society (AWS) D1.1-06 Structural Steel and the AWS D1.3-08 Sheet Steel Welding Codes. Additionally, students will have a good foundation in structural steel fitting/layout, the basics of pipefitting, and the basics of sheet metal pattern development. Students will also be prepared with mathematics and communication skills, and be knowledgeable about the human relations necessary to become valuable employees in the industrial welding trades.

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. Visit <http://www.rogucecc.edu/GainfulEmployment/> for more information.

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.rogucecc.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. 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.rogucecc.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.

Prerequisites

Course No.	Course Title	Credits
BT113	Business English I or WR115 Introduction to Expository Writing or higher level composition ¹	3-4
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ^{1,2}	0-4
MTH20	Pre-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

Total Prerequisite Credits **3-16**

Required Courses

Course No.	Course Title	Credits
First Term		
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
		14-18

Second Term

BT101	Human Relations in Organizations or PSY101 Psychology of Human Relations	3
WLD104	Blueprint Reading - Mechanical	3
WLD112	Technology of Industrial Welding II	6
WLD221	Welding Codes, Procedures and Inspections	3
		15

Third Term

WLD113	Technology of Industrial Welding III	6
WLD121	Fabrication and Repair Practices I	5
—	Approved program elective	3-6
		14-17

TOTAL PROGRAM CREDITS **43-50**

Approved Program Electives

(3-6 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
EET101	Introduction to Electronics	3
GS104	Physical Science with lab	4
LAT122	Small Engine Repair	3
MET121	Computer Aided Drafting I: Mechanical (SolidWorks)	3
MET122	Computer Aided Drafting II: Mechanical (SolidWorks)	3
MET123	Computer Aided Drafting III: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy	3
MFG121	Manufacturing Processes I	4
MFG122	Manufacturing Processes II	4
MFG123	Manufacturing Processes III	4
WLD160	American Welding Society (AWS) Certification Seminar: Plate	1
WLD230	Introduction to Applied Motion	4
WLD250	Selected Topics in Welding	variable
WLD260	American Welding Society (AWS) Certification Seminar: Pipe	1

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 lbonney@rogucecc.edu
Web address www.rogucecc.edu/welding
TTY Oregon Telecom Relay Service, 711

Industrial Welding Technology: Welder's Helper Career Pathways Certificate

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.rogucecc.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.rogucecc.edu/Programs/CareerPathways.

Industrial Welding Technology: Welder's Helper Career Pathways Certificate (22 credits)

- Entry-level work experiences in the welding industry ¹

Industrial Welding Technology Certificate of Completion (43-50 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 ¹

Industrial Welding Technology Associate of Applied Science (AAS) (93-97 credits)

- Welder/fabricator, pipe welder, equipment repairer, cutter, solder, and brazier ¹

Management SOU, Bachelor of Applied Science articulated with RCC's AAS degrees

- Supervisor/manager ¹
- Business owner 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 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

Course No.	Course Title	Credits
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-12**

Required Courses

Course No.	Course Title	Credits
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
WLD112	Technology of Industrial Welding II	6
WLD221	Welding Codes, Procedures and Inspections	2

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 lbonney@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 47 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 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. 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

Course No.	Course Title	Credits
CS____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH95	Intermediate Algebra 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: **0-11**

General Education Requirements

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI102	Introduction to Biology II with lab	4
ECON201	Principles of Microeconomics	4
ECON202	Principles of Macroeconomics	4
LIB127	Introduction to Library Research Methods	1
MTH243	Probability and Statistics with lab	4
MTH244	Inferential Statistics	4
MTH111	College Algebra	4
PSY201	General Psychology I	4
SP111	Fundamentals of Public Speaking	4
WR121	English Composition I	4
WR122	English Composition II	4
WR227	Technical Writing	4
—	Approved humanities electives ²	9-12

Total General Education Requirements **57-60**

Core Requirements

Course	Title	Credits
BA206	Management Fundamentals	3
BA211	Financial Accounting	4
BA213	Managerial Accounting	4
BA223	Principles of Marketing	3
CS125db	Data Base Management Systems	3
CS125ss	Spreadsheet Applications	3
CS140	Operating Systems	4
CS179	Introduction to Networks	4
CS133c#	Programming Fundamentals Using C#	4
CS227	PC Hardware Fundamentals and Repair	5
CS275	Data Base Development I	4
HCI120	Introduction to Health Care Industry	3
HCI255	Introduction to Health Care Informatics	2

Total Core Credits **47**

TOTAL PROGRAM CREDITS **104-107**

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. 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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
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
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA164,165,166	Writing for Theater	4-4-4

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 cdileva@rogucecc.edu or bfrederickson@rogucecc.edu
Web address www.rogucecc.edu/computerscience
TTY Oregon Telecom Relay Service, 711

Juvenile Corrections Certificate of Completion

About the Program

Juvenile Corrections is a four-term certificate program offered by community colleges throughout Oregon. The program was developed in cooperation with the Oregon Youth Authority and juvenile

corrections practitioners in the region served by Rogue Community College. Students completing the program will gain a competitive advantage in filling available positions with the Oregon Youth Authority and with other providers of juvenile corrections services.

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.rogucecc.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.rogucecc.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 the placement test scores. Advising and approval of the Criminal Justice Department chair are necessary for registration. In addition, students may also be required to enroll in courses that would increase their employability and success.

Prospective students should be aware of entry requirements of the various agencies prior to considering juvenile corrections as a career choice. Certain conditions, including a criminal history, may preclude employment in some agencies.

Advanced Standing

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.

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. Four credits (132 hours) of documented cooperative work experience in a juvenile corrections setting, supervised by a professional, is required.

Prerequisites

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
WR115	Introduction to Expository Writing or designated placement test score as shown on current indicator chart	0-3

Total Prerequisite Credits 0-7

Required Courses

Course No.	Course Title	Credits
First Term		
BT160	Business Math or MTH60 Fundamentals of Algebra I or MTH63 Applied Algebra I or higher level math	4
PSY201	General Psychology I	4
WR121	English Composition I or higher level composition	4
Second Term		
CJ201/SOC221	Juvenile Delinquency	4
CJ243/SOC243	Drugs, Crime and Addiction	4
PSY202	General Psychology II	4
		12

Third Term

CJ101/SOC244	Introduction to Criminology	4
CJ203	Crisis Intervention	3
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	$\frac{4}{15}$

Fourth Term

CJ229	Community Corrections and Casework	4
CJ280	Cooperative Work Experience/Criminal Justice	4
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
SOC225	Social Problems	$\frac{4}{15}$

TOTAL PROGRAM CREDITS **54**

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 Criminal Justice Department:

Grants Pass or Medford 541-245-7965
Toll free in Oregon 800-411-6508, Ext. 7965
email vwallace@rogucecc.edu
Web address www.rogucecc.edu/criminaljustice
TTY Oregon Telecom Relay Service, 711

Landscape Technician Certificate of Completion

About the Program

The Landscape Technician 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.rogucecc.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.rogucecc.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 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
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-12**

Required Core Courses

Course No.	Course Title	Credits
First Term		
LAT110	Plant Identification I	3
LAT120	Landscape Construction	3
LAT137	Landscape Management	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or BT160 Business Math I ¹	$\frac{4}{13}$
Second Term		
LAT101	General Horticulture	3
LAT107	Pest Control	3
LAT122	Small Engine Repair	$\frac{2}{9}$
Third Term		
LAT111	Plant Identification II	3
LAT130	Turfgrass Management	3
—	Approved program elective	$\frac{2}{9}$
Fourth Term (Summer)		
LAT135	Irrigation Design	3
LAT180	Cooperative Work Experience/Landscape Technician	3
—	Approved program elective	$\frac{2}{9}$

TOTAL REQUIRED PROGRAM CREDITS **40**

Approved Program Electives

(6 credits required)

Course No.	Course Title	Credits
LAT109	Arboriculture	3
LAT115	Ecology of the Siskiyou	3
LAT118	Oregon Native Plants	3
LAT142	Site and Landscape Planning	3
LAT199	Special Studies: Landscape	variable

¹Available online. For more information and class availability go to <http://rogucecc.blackboard.com>
For more information, contact the Landscape Technician Department:
White City 541-245-7809
Toll free in Oregon 800-411-6508, Ext. 7809
Web address www.rogucecc.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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or computer proficiency	0-4
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4
Total Prerequisite Credits		0-16

First Year Required Courses

Course No.	Course Title	Credits
First Term		
MET101	Mechanical Drafting	3
MET105	Blueprint Reading - Mechanical	3
MFG101	Introduction to Manufacturing	3
MFG116	Metrology	2
MFG121	Manufacturing Processes I	4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4 19
Second Term		
MET104	Applied Shop Practices or MTH112 Elementary Functions	3-4
MET121	Computer Aided Drafting I: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy or WLD225 Industrial Metallurgy	3
MFG122	Manufacturing Processes II	4
MFG140	CNC Controls	2
WR115	Introduction to Expository Writing or BT113 Business English I or higher level composition	3-4 18-20
Total First Year Credits		52-54

Third Term

LIB127	Introduction to Library Research Methods	1
MET122	Computer Aided Drafting II: Mechanical (SolidWorks)	3
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
MFG123	Manufacturing Processes III	4
MFG241	CNC Programming - Mill	4 15

Total First Year Credits

52-54

Second Year Required Courses

Course No.	Course Title	Credits
Fourth Term		
EET101	Introduction to Electronics	3
GS104	Physical Science with lab or approved program elective	4
MFG230	Statistics and Quality Control	3
MFG242	CAM I: Mastercam	4
WLD101	Welding Fundamentals I	3 17
Fifth Term		
MFG220	Research and Development Prototyping or MFG280 Cooperative Work Experience/Manufacturing	4
MFG243	CAM II: Mastercam	4
WLD102	Welding Fundamentals II or approved program elective	3
WR121	English Composition I or BT114 Business English II or higher level composition	4
—	Approved program electives	3-4 18-19
Sixth Term		
HE112	Emergency First Aid or approved health/first aid elective (see this catalog for approved list of electives)	1-3
MET111	Computer Aided Drafting I: Mechanical (Autodesk Inventor)	3
MFG255	Computer Integrated Manufacturing or MFG280 Cooperative Work Experience/Manufacturing	4
MFG262	Lean Manufacturing	3

Total Second Year Credits**49-54****TOTAL PROGRAM CREDITS****101-108****Approved Program Electives**

(minimum 6-9 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BT204	Project Management	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
CS ____	Any CS applications course (CS125ss highly recommended)	variable
CS140	Introduction to Operating Systems	4
CS161	Computer Science I	4
CS162	Computer Science II	4
CS171	Computer Organization I	4
CS240	Advanced Operating Systems	4
EET106	Electronic Assembly	3
EET112	Introduction to Mechatronics	5
EET225	Electronics Troubleshooting	3
LAT122	Small Engine Repair	3
MFG280	Cooperative Work Experience/Manufacturing	variable
MET112,113	Computer Aided Drafting II, III: Mechanical (Autodesk Inventor)	3-3
MET123	Computer Aided Drafting III: Mechanical (SolidWorks)	3
MFG199	Selected Topics in Manufacturing	variable
MFG244	CNC Programming – Lathe	3
MFG280S	CWE/Manufacturing Seminar	1
MTH65	Fundamentals of Algebra II ² or higher level math courses	variable
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
WLD102	Welding Fundamentals II (if not taken core requirement)	3
WLD111,112,113	Technology of Industrial Welding I, II, III	6-6-6
WLD111M	Technology of Industrial Welding for Manufacturing	6
WLD121,122	Fabrication and Repair Practices I, II	5-5
WLD230	Introduction to Applied Motion	4

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 smfoster@rogucecc.edu

Web address www.rogucecc.edu/manufacturing

TTY Oregon Telecom Relay Service, 711

Manufacturing/Engineering Technology: Computer Numerical Control (CNC) Operator

Career Pathways Certificate

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.rogucecc.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.rogucecc.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 below and at <http://www.rogucecc.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 a "C" or better grade.

Manufacturing/ Engineering Technology – Articulated Associate of Science (AS) Degree (101-104 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 articulated 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

Course No.	Course Title	Credits
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-12**

Required Courses

Course No.	Course Title	Credits
First Term		
MET101	Mechanical Drafting	3
MET105	Blueprint Reading - Mechanical	3
MFG116	Metrology	2
MFG121	Manufacturing Processes I	4
MTH63	Applied Algebra I or	4
	MTH60 Fundamentals of Algebra I or higher level math	16
Second Term		
MET121	Computer Aided Drafting I: Mechanical (SolidWorks)	3
MFG122	Manufacturing Processes II	4
MFG140	CNC Controls	2
WR115	Introduction to Expository Writing or	3-4
	BT113 Business English I or higher level composition	12-13

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 one-year 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 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
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-16**

Required Courses

Course No.	Course Title	Credits
First Term		
MET101	Mechanical Drafting	3
MET105	Blueprint Reading - Mechanical	3
MFG101	Introduction to Manufacturing	3
MFG116	Metrology	2
MFG121	Manufacturing Processes I	4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
		19

Second Term

MET104	Applied Shop Practices or MTH112 Elementary Functions	3-4
MET121	CAD I: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy or WLD225 Industrial Metallurgy	3
MFG122	Manufacturing Processes II	4
MFG140	CNC Controls	2
WR115	Introduction to Expository Writing or BT113 Business English I or higher level composition	3-4
		18-20

Third Term

MET122	CAD II: Mechanical (SolidWorks)	3
MFG123	Manufacturing Processes III	4
MFG241	CNC Programming - Mill	4
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
		14

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
email..... smfoster@rogucecc.edu
Web address..... www.rogucecc.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 this 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.rogucecc.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 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
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 **0-15**

First Year Required Courses

Course No.	Course Title	Credits
First Term		
MFG101	Introduction to Manufacturing	3
MFG121	Manufacturing Processes I	4
—	Approved humanities electives ²	6-8
		13-15

Second Term

LIB127	Introduction to Library Research Methods	1
MET121	Computer Aided Drafting I: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy	3
MTH111	College Algebra	4
WR121	English Composition I	<u>4</u>
		15

Third Term

MET122	Computer Aided Drafting II: Mechanical (SolidWorks)	3
MFG241	Computer Numerical Control Programming – Mill	4
MTH112	Elementary Functions	4
WR122	English Composition II	<u>4</u>
		15

Fourth Term

MTH243	Probability and Statistics	4
WLD101	Welding Fundamentals I	3
—	Social science elective ³	<u>3-4</u>
		10-11

Total First Year Credits **53-56**

Second Year Required Courses

Course No. **Course Title** **Credits**

Fifth Term

MFG242	Computer Aided Manufacturing I: Mastercam	4
MTH244	Inferential Statistics	4
MTH251	Calculus I (Differential)	5
PH211	General Physics (Calculus Based) I with lab and recitation or	
PH201	General Physics I with lab and recitation	<u>5</u>
		18

Sixth Term

MFG230	Statistics and Quality Control	3
MFG243	Computer Aided Manufacturing II: Mastercam	4
MTH252	Calculus II (Integral)	5
PH212	General Physics (Calculus Based) II with lab and recitation or	
PH202	General Physics II with lab and recitation	<u>5</u>
		17

Seventh Term

CHEM104	Introductory Chemistry I with lab and recitation or	
	CHEM221 General Chemistry I with lab and recitation	5
SP111	Fundamentals of Public Speaking	4
WR227	Technical Writing	<u>4</u>
		13

Total Second Year Credits **48**

TOTAL PROGRAM CREDITS **101-104**

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.)

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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
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
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA164,165,166	Writing for Theater	4-4-4

³ Approved Social Science Electives

(Complete at least one course from the following list, 3-4 credits.)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
CJ100	Foundations and Ethics in Criminal Justice	4
CJ101/SOC244	Introduction to Criminology	4
CJ110	Introduction to Law Enforcement	4
CJ120	Introduction to the Judicial Process	4
CJ130	Introduction to Corrections	4
CJ201/SOC221	Juvenile Delinquency	4
CJ214	Crime, Justice and Diversity	4
CJ243/SOC243	Drugs, Crime and Addiction	4
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Cultural and Human Geography	3
GEOG120	World Regional Geography	3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
IS111	Introduction to International Studies II	3
PS201,202,203	U. S. Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202	General Psychology I, II	4-4
PSY219	Introduction to Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology, American Society	4-4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in America	4
SOC218	Sociology of Gender	4
SOC225	Social Problems	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4

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
 email smfoster@roguecc.edu
 Web address www.roguecc.edu/manufacturing
 TTY Oregon Telecom Relay Service, 711

Massage Therapy Certificate of Completion

Fall 2016 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 Practical Examination 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 <http://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 2016 admission is April 1-June 24, 2016. 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.

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 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	2
MTH20	Pre-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 BT113 Business English I or higher level composition ¹	3-4
Total Prerequisite Credits		5-14

Recommended Preparatory Courses

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI211	General Biology I with 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 ³	0-4
HE261	CPR or HE252 First Aid/CPR	1-3
MTH63	Applied Algebra I 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 8-14
Second Term		
BI121	Elementary Anatomy and Physiology I with lab or BI231 Anatomy and Physiology I with lab ²	4
MT100	Massage I – Basic Swedish	2
MT101	Asian Bodywork I	2
MT108	Kinesiology for Massage Therapists with lab	4
—	Approved program elective	0-2
		12-14
Third Term		
BI122	Elementary Anatomy and Physiology II with lab or BI232 Anatomy and Physiology II with lab and BI233 Anatomy and Physiology III with lab ²	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
		17-21
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
MT120B	Business for Massage Therapists	2
MT180	Cooperative Work Experience/Massage Practicum	1
MT180S	Cooperative Work Experience/Massage Seminar	1
—	Approved program elective(s)	<u>2-4</u>
		13-15

TOTAL PROGRAM CREDITS **50-64**

Approved Program Electives

(2-6 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BA228	Computer Accounting Applications	2
BT151	Practical Accounting I	4
BT250	Entrepreneurship	3
MT110	Polarity Therapy	2
MT111	Sport Massage	2
MT112	Massage for Pregnancy and Infant/Child	2
MT113	Myofascial Release	2
MT115	Trigger Point Therapy	2
MT117	Body Maintenance for Massage Therapists	2
MT118	Deep Tissue Massage	2
MT130	Polarity Therapy II	2
MT180	Cooperative Work Experience/Massage	variable
MT199	Selected Topics: Massage	variable

¹ Required for graduation. Students who have successfully completed the 3-credit version of BT113 will have met the writing requirement.

² BI211 is a prerequisite for BI231. 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 tclarkin@roguecc.edu
Website www.roguecc.edu/massage
TTY Oregon Telecom Relay Service, 711

Massage Therapy: Entry-level Therapist Career Pathways Certificate

Fall 2016 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 Practical Examination 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 <http://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 2016 admission is April 1-June 24, 2016. 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.

Massage Therapy: Career Pathways Certificate (43 credits)

- Massage Therapist – Entry Level ¹

Massage Therapy: Certificate of Completion (50-64 credits)

- Massage Therapist ¹

Occupational Therapy Assistant Associate of Applied Science degree (Linn-Benton Community College)

- Occupational Therapist Assistant ¹

Physical Therapy Assistant Associate of Applied Science degree (Lane Community College)

- Physical Therapist Assistant 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 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 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	2
MTH20	Pre-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

WR30 Fundamentals of Composition II or designated placement test score as shown on current indicator chart 0-4

Total Prerequisite Credits 0-14

Recommended Preparatory Courses

Course No.	Course Title	Credits
AH100	Medical Terminology: Introduction	3
BI211	General Biology I with lab	4

Required Courses

Course No.	Course Title	Credits
First Term		
BI121	Elementary Anatomy and Physiology I with lab	4
MT100	Massage I – Basic Swedish	2
MT101	Asian Bodywork I	2
MT108	Kinesiology for Massage Therapists with lab	4
—	Approved program elective	2
		14

Second Term

BI122	Elementary Anatomy and Physiology II with lab	4
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
		15

Third Term

HE261	CPR	1
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
MT120B	Business for Massage Therapists	2
MT121	Asian Bodywork II	2
MT180	Cooperative Work Experience/Massage Practicum	1
MT180S	Cooperative Work Experience/Massage Seminar	1
		14

TOTAL PROGRAM CREDITS 43

Approved Program Electives

(2 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BA228	Computer Accounting Applications	2
MT110	Polarity Therapy	2
MT111	Sport Massage	2
MT112	Massage for Pregnancy and Infant/Child	2
MT113	Myofascial Release	2
MT115	Trigger Point Therapy	2
MT117	Body Maintenance for Massage Therapists I	2
MT118	Deep Tissue Massage	2
MT130	Polarity Therapy II	2
MT180	Cooperative Work Experience/Massage	variable
MT199	Selected Topics: Massage	variable

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 tclarkin@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.

Course No.	Course Title	Credits	AAOT Category
MTH111	College Algebra	4	Math
MTH112	Elementary Functions	4	Math
MTH243	Probability & Statistics	4	Math
MTH251	Calculus I	5	Math
MTH252	Calculus II	5	Math
MTH253	Calculus III	5	Math
MTH254	Vector Calculus	5	Math
WR227	Technical Writing	4	Elective
MTH211-213*	Fundamentals of Elementary Math	5	Elective

*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.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

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 waive 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 Healthcareer Association (NHA), or other national Medical Assisting accrediting agencies, and the American Society of Clinical Pathologists (ASCP) phlebotomy certification exam. Beginning January 2015, most medical practices will

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: AAMA www.aama-ntl.org/ 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. 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 score before the program start date.

Program admission occurs once per year. Deadline for submitting program application materials is on the first business day on or after May 1 of each year for fall term admission. All completed applications will be date and time stamped in the order received. This includes the online application and all required documents. The application must be scanned and emailed to lpederson@roguecc.edu, submitted in person to the Allied Health Department, or sent by certified mail to Laurel Pederson, Allied Health Department, Rogue Community College, 7800 Pacific Ave., White City, OR 97503. Any applications received after the due date will be waitlisted.

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.

Students are also required to complete an American Heart Association (AHA) CPR certification at the Basic Life Support (BLS) Health Care Provider level and AHA Heartsaver first aid course prior to the first day of the program. Students must maintain current certification throughout the program.

Selection Process

Applications will be reviewed using a system that includes points given for letters of recommendation, program prerequisites, personal statement, Jackson and Josephine County residency, veterans and spouses of veterans, displaced Trade Act workers, highest degree earned, previous healthcare experience, and screening interviews. Because certified medical assistants are expected to have exceptional communication skills, the screening interview will be a key determining factor in cohort placement.

Transcripts showing satisfactory completion of prerequisites/preparatory courses must be in the Enrollment Services office by the application deadline to be considered eligible. All prerequisite/preparatory courses or courses that students would like considered for substitution of a program course should have been completed with a "C" or better.

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 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 2015-2016 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 indicate a student earned a "C" or better grade.

National Career Readiness Certificate (NCRC)

Students will be encouraged to take the National Career Readiness Certificate (NCRC) during the second quarter of the program. The NCRC is used by many health care employers nationwide to find applicants who meet or exceed standards in mathematical reasoning, critical thinking, and problem-solving techniques or work-related problems. The exam also includes reading for understanding and locating information such as using charts, graphs and tables to find information. Local health care employers (including Asante and Valley Immediate Care) use the NCRC in applicant screening and/or hiring preference. Preparation for the NCRC will take place in conjunction with students' practicum experience.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I with lab or documented computer proficiency ¹	0-4
HE252	First Aid/CPR or HE261 CPR and HE112 Emergency First Aid ²	2-3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I 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	Introductory to Expository Writing or BT113 Business English I or higher level composition class or designated placement test score as shown on current indicator chart	0-4
Total Prerequisite Credits		5-22

Required Core Courses

Course No.	Course Title	Credits
First Term		
AH100	Medical Terminology: Introduction	3
AH102	Medical Assistant: Clinical	3
AH104	Phlebotomy	3
BI100SB	Biology of Human Body Systems ³	3
ED120	Leadership I	1
		13
Second Term		
AH101	Medical Assistant: Administrative	3
AH105	Communication and Professional Behavior	2
AH170	Medical Assistant Practicum and Seminar	4
ED121	Leadership II	1
—	Approved program elective	0-4
		10-14
Third Term		
AH103	Medical Assistant: Specialty	3
AH110	Medical Terminology: Clinical	3
AH171	Medical Assistant Practicum and Seminar	4
ED122	Leadership III	1
EMS165	Introduction to Pharmacology for Health Occupations	2
		13
TOTAL PROGRAM CREDITS		36-40

Approved Program Electives

(maximum of 4 credits allowed):

Course No.	Course Title	Credits
BA240	Filing and Records Management	3
EMS160	Electrocardiogram (ECG) Interpretation	2
HCI120	Introduction to the Health Care Industry	3
SOC230	Introduction to Gerontology	4

¹ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

² AHA Heartsaver First Aid (HE112) and BLS CPR for Health Care Providers (HE261) cards are required. HE 252 covers both certifications. Courses completed or certification received on or after summer 2015 satisfies the requirement.

³ BI100SB is not required if BI121/BI122 Elementary Anatomy and Physiology I/II or BI231/BI232/BI233 Anatomy and Physiology I/II/III have been completed with a "C" or better grade.

For more information regarding the program and selection process, contact the Allied Health Department:

Grants Pass or Medford. 541-245-7845
Toll free in Oregon 800-460-6766, Ext. 7845
email. dwu@roguecc.edu
Web address www.roguecc.edu/AlliedHealth/MA
TTY Oregon Telecom Relay Service, 711

Medical Assistant: Phlebotomy Career Pathways Certificate (pending approval by the State Board of Education)

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., proper 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 composure and organizational skills in handling crisis situations and effectively handling multiple tasks simultaneously in times of heavy workload.

State approval of this program is expected in the fall.

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 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
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **0-16**

Required Courses

Course No.	Course Title	Credits
First Term		
EET112	Introduction to Mechatronics	5
MTH63	Applied Technical Math/Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4-5
WR115	Introduction to Expository Writing or higher level composition	<u>3-4</u> 12-14

Second Term

EET125	Electronics Fundamentals I	6
HE112	Emergency First Aid or approved health elective (see this catalog for approved list of electives)	1-3
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
—	Approved program elective	<u>0-2</u> 10-14

Third Term

CS227	PC Hardware Fundamentals and Repair	5
EET130	Digital Fundamentals I	6
—	Approved program elective	1-3 12-14

Fourth Term

CS140	Introduction to Operating Systems	4
EET131	Digital Fundamentals II	6
EET180	Cooperative Work Experience/Electronics or approved program elective(s)	4-6 14-16

TOTAL PROGRAM CREDITS 48-58

Approved Program Electives

(1-5 credits required)

Course No.	Course Title	Credits
BT121	Introduction to e-Commerce	3
	Any computer science course, CS125 or above	1-4
EET106	Electronic Assembly	3
EET113	Exploration of Alternative Energies	3
EET118	Introduction to Renewable Energy Systems	5
EET132	Digital Fundamentals III	5
EET199	Selected Topics in Technology	1-5
EET240	Microcontrollers I	5
GS104	Physical Science with lab	4
MET101	Mechanical Drafting	3
MET121	CAD I: Mechanical (SolidWorks)	3
MET122	CAD II: Mechanical (SolidWorks)	3
MET160	Materials and Metallurgy	3
MFG101	Introduction to Manufacturing	3
MFG121	Manufacturing Processes I	4
MFG230	Statistics and Quality Control	3
MTH60R	Fundamentals of Algebra I Recitation	1
MTH65	Fundamentals of Algebra II or higher level math (if not taken as a required course)	4
MTH65R	Fundamentals of Algebra II Recitation	1
MTH95R	Intermediate Algebra Recitation	1
WR121	English Composition I	4
WR122	English Composition II	4
WR227	Technical Writing	4

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	lbonney@rogucecc.edu
Web address	www.rogucecc.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.

Course No.	Course Title	Credits	AAOT Category
MTH111	College Algebra	4	Math

MUS111	Music Theory and Aural Skills I	4	Elective
MUS112	Music Theory and Aural Skills II	4	Elective
MUS113	Music Theory and Aural Skills III	4	Elective
MUS201	Intro. to Western Music	4	Humanities
MUS211	Music Theory and Aural Skills IV	4	Elective
MUS212	Music Theory and Aural Skills V	4	Elective
MUS213	Music Theory and Aural Skills VI	4	Elective

One of the following:

MUP102	Concert Band	1	Elective
MUP105	Jazz Band	1	Elective
MUP142	Chamber Orchestra	1	Elective
MUS220	Chorus	1	Elective

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

Nursing

Associate of Applied Science Degree

Fall Term 2016 Program Admission

About the Program

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 nine 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; relationship-centered care; interdisciplinary collaboration; assisting individuals and families in self-care practices for promotion of health and management of chronic and acute illness; end-of-life care; and teaching, delegation, leadership and supervision of caregivers.

Acceptance to the program allows for co-admission to 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 curriculum continues for four additional terms leading to a Bachelor of Science degree, with a major in Nursing (BS,N) 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.rogucecc.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 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, 2016, or the first business day thereafter, for fall term 2016 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, or the appropriate department chair to obtain a course substitution, as far in advance of the application deadline as possible. To be admitted into nursing courses students must complete all required prerequisite and preparatory courses (minimum 45 credits) and be accepted into the Nursing program.

Accepted students must undergo a criminal history background check and urine drug screen prior to nursing clinical experiences. Information regarding the background check and drug screen requirements can be found on the program's website and will be provided to students 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 practicum 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 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. 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 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. Licensure applicants with a history of chemical dependence will be required to have a drug and alcohol counselor assessment. Contact the OSBN with any questions.

Prerequisites/Required Preparatory Courses ¹

Course No.	Course Title	Credits
BI211	General Biology I with lab (or department chair acceptance of transfer biology with genetics) ²	4
BI231	Anatomy and Physiology I with lab (within last seven years) ²	4
BI232	Anatomy and Physiology II with lab (within last seven years) ²	4
BI233	Anatomy and Physiology III with lab (within last seven years) ²	4
CS	Approved 3-4 credit computer science class, CS120 with lab or above within 10 years (or documented computer proficiency) ³	0-4
MTH95	Intermediate Algebra or higher level math	4
NFM225	Nutrition	4
PSY201	General Psychology I ⁴	4
PSY215	Life Span Human Development	4
WR121	English Composition I ⁴	4

WR122	English Composition II ⁴	4
—	Any college-level (100 or 200 numbered) transferable social science elective	3
—	Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science electives ⁵	0-6

Prerequisite/Preparatory Credits to be Eligible to Apply ¹ 30

All Prerequisite/Preparatory Credits to be Completed Before Admission to Nursing Courses (Minimum of) 45

First Year Nursing Course Requirements 6

Course No.	Course Title	Credits
Fall Term		
NRS110	Foundations of Nursing – Health Promotion	9
BI234	Microbiology with lab ²	4
—	Any lower division transfer elective	3
		16

Winter Term

NRS112	Foundations of Nursing in Acute Care I	6
NRS230	Clinical Pharmacology I	3
NRS232	Pathophysiological Processes I	3
—	Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science electives ⁷	4
		16

Spring Term

NRS111	Foundations of Nursing in Chronic Illness	6
NRS231	Clinical Pharmacology II	3
NRS233	Pathophysiological Processes II	3
WR—	Research Writing ⁸	0-4
		12-16

Spring Term (LPN Transition Only)

NRS115	LPN Transition to OCNE (only for accepted advance placed LPNs) ⁹	(6)
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Summer Term

NRS199C	Special Studies: Surgical Nursing ¹⁰	4
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Second Year Nursing Course Requirements

Course No.	Course Title	Credits
Fall Term		
NRS221	Nursing in Chronic Illness II and End-of-Life	9
—	Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science electives ⁷	6
		15

Winter Term

NRS222	Nursing in Acute Care II and End-of-Life	9
—	Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science electives ⁷	6
		15

Spring Term

NRS224	Integrative Practicum	9
—	Any college-level (100 or 200 numbered) transferable non-studio humanities, social science or science electives ⁷	3
		12

TOTAL PROGRAM CREDITS BEYOND 30 PREREQUISITE CREDITS 102

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 30

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/required preparatory courses (minimum 45 credits) and be accepted into the Nursing program. →

⁶ BI234 must be completed before winter term; other general education courses in this year may be completed during summer term, but must be completed to 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 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, 2014. See the Nursing program director for more information.

¹⁰ NRS199C Special Studies: Surgical Nursing, 4 credits, an optional course, will be offered in summer term at Rogue Regional Medical Center to one student who successfully completed the first year of the RCC Nursing program, and with instructor permission. NRS199C is not eligible for financial aid. See program director for details.

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
Web address www.roguecc.edu/Nursing
TTY Oregon Telecom Relay Service, 711

Occupational Skills Training Certificate of Completion

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
MTH20	Pre-algebra or designated placement test score on current indicator chart	0-4
RD30	College Reading or designated placement test score on current indicator chart	0-4
WR30	Fundamentals of Composition II or designated placement test score on current indicator chart	0-4
Total Prerequisite Credits		0-12

General Education Requirements

Course No.	Course Title	Credits
CS120	Concepts in Computing I or higher level course or documented computer proficiency ¹	0-4
MTH63	Applied Technical Math 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
WR115	Introduction to Expository Writing or BT113 Business English I or higher level composition ²	3-4
HE261	CPR or HE112 Emergency First Aid or HE252 First Aid/CPR or HE253 Wilderness First Aid/CPR	1-3
—	Elective credits related to career direction ³	7-14
Total General Education Credits		18-32

Work-based Training Courses

Course No.	Course Title	Credits
ST109	Skills Training Seminar or BA109 Ready, Set, Work: Techniques for Landing a Job	0-2
ST101	Occupational Skills Training ⁴ and/or ST201 Occupational Skills Training ⁴	18-28

Total Work-Based Training Courses **18-30**
TOTAL PROGRAM CREDITS **36-62**

Approved Electives

Course No.	Course Title	Credits
ST199	Workshop	variable

¹ 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.

³ Any course 100-level or above related to career direction.

⁴ Minimum 18 credits based on approved training plan and supervised by OST faculty.

For more information contact the Individualized Career Training Department:

Grants Pass or Medford 541-956-7027

Toll free in Oregon 800-411-6508, Ext. 7027

email jburkes@rogucecc.edu @rogucecc.edu

Web address www.rogucecc.edu/ICT

TTY Oregon Telecom Relay Service, 711

Occupational Therapy Assistant

Associate of Applied Science Degree

Rogue Community College has developed a partnership with Linn-Benton Community College in Albany to provide training for occupational therapy assistants in Jackson and Josephine counties. This program prepares students to function as entry-level occupational therapy assistants in a variety of practice settings and to pass the National Board for Certification in Occupational Therapy (NBCOT) examination.

This Associate of Applied Science degree is awarded by Linn-Benton Community College with RCC offering program prerequisites, general education classes and related coursework. Financial aid may be available through LBCC.

Students use a distance education (DE) model of accessing the OTA program-specific courses through LBCC. The program can be completed while a student is living in the Rogue Valley by taking a combination of RCC classes and LBCC's distance-education courses. The curriculum includes classroom, laboratory, and fieldwork components. DE students will travel to the LBCC campus between two and four times per term.

The program is designed to be completed within two years, and students must fulfill all requirements within 36 months of admission. Students also must complete Level II fieldwork within 18 months of completing the academic portion of the program. Fieldwork placements are determined by the Academic Fieldwork 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 to complete fieldwork.

For details on the Occupational Therapy Assistant program, call 541-245-7845 or 541-245-7846 or visit www.rogucecc.edu/AlliedHealth/OTA.

Oregon Transfer Module

About the Module

The Oregon Transfer Module provides a one-year curriculum for students who want to transfer to another Oregon community college or public university prior to completing a two-year degree. The module allows students to complete one year of general education courses that will be applied to the general education and academic major requirements of the transfer school. By fulfilling these requirements and meeting the admission standards of the transfer institution, students will qualify for sophomore standing.

Students choosing this transfer option are advised to work closely with faculty advisors to ensure selection of appropriate courses. Upon transfer, students may 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 school of their choice.

The courses listed in this module may also be applied to the Associate of Arts Oregon Transfer

degree (AAOT), the Associate of Science Oregon Transfer – Business degree (AS/OT-BUS), and the Associate of Science Oregon Transfer – Computer Science degree (AS/OT-CS), thus providing additional options for students who may start on this track and decide to complete a two-year degree. When enrolling, students should identify either the AAOT, AS/OT-BUS or AS/OT-CS major.

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.rogucecc.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 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 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

Course No.	Course Title	Credits
Writing (two courses required)		
WR121	English Composition I	4
WR122	English Composition II or	
	WR227 Technical Writing	4
Oral Communication (one course required)		
SP100	Basic Communication ¹	3
SP111	Fundamentals of Public Speaking	4
SP115	Intercultural Communication	4
SP218	Interpersonal Communication	4
Mathematics (one course required)		
MTH105	Introduction to Contemporary Mathematics ²	4
MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH211,212,213	Fundamentals of Elementary Math I, II, III	5-5-5
MTH243	Probability and Statistics ²	4
MTH244	Inferential Statistics	4
MTH251,252,253	Calculus I, II, III	5-5-5
MTH254	Vector Calculus	5
MTH256	Differential Equations	5
MTH261	Linear Algebra	5

TOTAL FOUNDATIONAL SKILLS CREDITS

15-17

Introduction to Discipline Requirements

Humanities (three courses required)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts I	3
COMM225	Small Group Communication	4
COMM237	Communication and Gender	4
COMM270	Argumentation and Debate	3

ENG104,105,106	Introduction to Literature I, II, III	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	Introduction to English Literature I, II, III	4-4-4
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218, 219	Native American Arts and Cultures	4-4-4-4-4
IS110	Introduction to International Studies I	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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	3
SP115	Intercultural Communication	4
SP218	Interpersonal Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

Social Science

(three courses required)

Course No.	Course Title	Credits
ANTH110	Introduction to Cultural Anthropology	4
ANTH150	Introduction to Archaeology	4
CJ100	Foundations and Ethics in Criminal Justice	4
CJ101/SOC244	Introduction to Criminology	4
CJ110	Introduction to Law Enforcement	4
CJ201/SOC221	Juvenile Delinquency	4
CJ220	Substantive Law	3
CJ214	Criminal Justice and Diversity	4
CJ221	Procedural Law	3
ECON115	Introduction to Economics (non-business majors)	3
ECON201	Principles of Microeconomics	4
ECON202	Principles of Macroeconomics	4
GEOG100	Introduction to Physical Geography	3
GEOG110	Introduction to Cultural/Human Geography	3
GEOG120	World Regional Geography	3
HST104,105	History of World Civilization I, II	4-4
HST201,202	History of the United States I, II	4-4
PS201,202,203	U.S. Government I, II, III	3-3-3
PSY101	Psychology of Human Relations	3
PSY119	Psychology of Personal Growth	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction Abnormal Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology; American Society	4-4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in America	4

SOC218	Sociology of Gender	3
SOC225	Social Problems	4
SOC235	The Chicano/Latino Historical Experience	4
SOC230	Introduction to Gerontology	4
SOC243/CJ243	Drugs, Crime and Addiction	4

Science/Math/Computer Science ³

(three courses required, including at least one biological or physical science course with lab – maximum of one course from regional field studies courses allowed and are indicated by asterisk)

Course No.	Course Title	Credits
BI101,102,103	Introduction to Biology I, II, III with lab (non-majors)	4-4-4
BI109	Marine Animals and Plants with lab	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
BI234,235, 236	Microbiology, Adv. Medical Microbiology, Immunology with lab	4-4-4
BI272	Introduction to Ecology 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
CHEM244	Quantitative Analysis with lab	4
CS161,162	Computer Science I, II	4-4
CS233b	Visual Basic II	4
CS233js	JavaScript II	4
CS233r	Ruby on Rails Programming	4
CS233u	Advanced C++ Programming	4
G101,102,103	Introduction to Geology I, II, III 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
GS161 *	Regional Field Studies (includes lab)	4
GS170 *	Regional Field Geology (includes lab)	3
MTH105	Introduction to Contemporary Mathematics ^{2,3}	4
MTH111	College Algebra ³	4
MTH112	Elementary Functions ³	4
MTH211,212,213	Fundamentals of Elementary Math I, II, III ³	5-5-5
MTH243	Probability and Statistics ^{2,3}	4
MTH244	Inferential Statistics ³	4
MTH251,252,253	Calculus I, II, III ³	5-5-5
MTH254	Vector Calculus ³	5
MTH256	Differential Equations ³	5
MTH261	Linear Algebra ³	5
NFM225	Nutrition	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
SC210	Environmental Resources with lab	4

TOTAL DISCIPLINE REQUIREMENTS CREDITS

29-39

Electives

Complete a sufficient number of transfer-level courses (numbered 100 and above) to meet the Oregon Transfer Module requirement of at least 45 total credits. Elective credits must be in the humanities, social science or science/math/computer science areas, and be at least three credits each. The second year of a foreign language may be used toward elective credits but not first year courses.

TOTAL OREGON TRANSFER MODULE CREDITS

45-56

¹ SP100 may not be accepted as fulfilling the speech requirement at an Oregon university. See an advisor for more information.

² MTH105 and MTH243 may not be accepted as fulfilling the math requirement at an Oregon university. Students planning to transfer should check with the university about possible additional math courses required for their degree.

³ If a math class is selected, it must be in addition to the mathematics foundational requirement.

For more information contact a counselor or an advisor:

Grants Pass 541-956-7190
 Medford 541-245-7764
 Toll free in Oregon 800- 411-6508
 email keccleston@roguecc.edu
 Web address www.roguecc.edu
 TTY Oregon Telecom Relay Service, 711

Paramedicine

Associate of Applied Science Degree

About the 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).

The program offers career training for entry-level personnel ranging from EMTs to paramedics. 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.

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.

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 a "C" or better grade.

Prerequisites

Students are strongly encouraged to meet with an Emergency Services Department advisor prior to beginning any coursework.

Course No.	Course Title	Credits
BI211	General Biology I with lab ¹	4
—	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ^{2,3}	0-4
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or designated placement test score	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 4-19

First Year Required Courses

Course No.	Course Title	Credits
First Term		
AH100	Medical Terminology: Introduction	3
BI231	Anatomy and Physiology I with lab	4
ES105	Introduction to Emergency Services	4
ES131	EMT Part I	4
ES131L	EMT Part I Lab	1
		16

Second Term

BI232	Anatomy and Physiology II with lab	4
ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
EMS170	Emergency Communication and Documentation	2
MTH96	Applied Algebra II or MTH95 Intermediate Algebra or higher level math	4
		15

Third Term

BI233	Anatomy and Physiology III with lab	4
EMS205	Crisis Management	3
ES268	Emergency Service Rescue	3
EMS171	Emergency Patient Transportation or FRP253 Apparatus Driver	2-3
WR121	English Composition I	4
		16-17

Total First Year Credits 47-48

Second Year Required Courses

Course No.	Course Title	Credits
Fourth Term		
EMS271	Paramedic Part I	8
EMS271L	Paramedic Lab Part I	2
EMS281	Paramedic Clinical Practice I	1
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communications	4
		15
Fifth Term		
EMS272	Paramedic Part II	8
EMS272L	Paramedic Lab Part II	2
EMS282	Paramedic Clinical Practice II	2
HPE295	Health and Fitness for Life	3
		15

Sixth Term

EMS273	Paramedic Part III	5
EMS273L	Paramedic Lab Part III	2
EMS283	Paramedic Clinical Practice III	2
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
—	Approved social science elective (see this catalog for approved list of electives)	<u>3-4</u>
		15-16

Seventh Term

EMS284	Paramedic Clinical Practice IV	8
—	Approved program elective	<u>3-6</u>
		11-14

Total Second Year Credits

56-60

TOTAL PROGRAM CREDITS

103-108

Approved Program Electives

(minimum 3 credits required)

Course No.	Course Title	Credits
AH110	Medical Terminology: Clinical	3
BT102	Introduction to Supervision	3
BT111	Conflict Management	2
CG144	Introduction to Assertiveness	1
CHEM104	Introductory Chemistry with lab and recitation	5
CJ243/SOC243	Drugs, Crime and Addiction	4
ED120	Leadership I	1
ED121	Leadership II	1
ED122	Leadership III	1
EMS160	Electrocardiogram (ECG) Interpretation	2
EMS162	12-lead ECG Interpretation	2
EMS165	Introduction to Pharmacology for Health Occupations	2
EMS181	Advanced EMT Part I	5
EMS182	Advanced EMT Part II	5
EMS183	Advanced EMT Part III	2
EMS280	Cooperative Work Experience/EMS	1-6
EMS299	Workshop: EMS Training	variable
FRP251	Firefighter Level I ⁴	3
FRP251L	Firefighter Level I Lab ⁴	5
FRP261	Hazardous Materials First Responder Operations	1
FRP285	Fire Instructor I	3
HC100	Community Health Worker	6
HC1120	Introduction to the Health Care Industry	3
ITP101	Sign Language	2
LIB127	Introduction to Library Research Methods	1
MTH95R	Intermediate Algebra Recitation	1
MTH105	Introduction to Contemporary Mathematics	4
MTH243	Probability and Statistics	4
WR185	Understanding English Grammar	2
WR227	Technical Writing	4
—	Any foreign language	4

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 vwallace@rogucecc.edu
Web address www.rogucecc.edu/emergencyservices
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 541-245-7845 or 541-245-7846 or visit www.rogucecc.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.

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
MTH251	Calculus I	5	Math
MTH252	Calculus II	5	Math
PH211	General Physics I (Calculus Based) with lab and recitation	5	Science
PH212	General Physics I (Calculus Based) with lab and recitation	5	Science
PH213	General Physics I (Calculus Based) with lab and recitation	5	Science
WR227	Technical Writing	4	Elective

*Recitation course is required with these science courses in addition to lecture and lab sections.

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

Population Health Management Interest

Associate of Arts Oregon Transfer Degree

A total of 90 credits is required to complete the Associate of Arts Oregon Transfer (AAOT) degree. The courses listed below are meant to serve as recommended choices within categories required in the AAOT framework toward completion of the degree in Population Health Management at Oregon Tech. See the AAOT graduation guide for full degree requirements.

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.

Course No.	Course Title	Credits	AAOT Category
BA214	Business Communications or COMM225 Small Group Communication or SP218 Interpersonal Communication or WR227 Technical Writing	4	Humanities
PSY201	General Psychology I	4	Social Science
PSY202	General Psychology II	4	Social Science
SOC204	Introduction to Sociology	4	Social Science
SOC225	Social Problems	4	Social Science
MTH111	College Algebra	4	Math
MTH243	Probability and Statistics	4	Math
SP111	Fundamentals of Public Speaking	4	Oral Communication

Practical Nursing Certificate of Completion

2016 Year

About the Program

Rogue Community College offers a limited-entry, nine-month program leading to a certificate in Practical Nursing (PN), which meets the educational requirements for the national exam for PN licensure (NCLEX-PN). The Practical Nursing program is approved by the Oregon State Board of Nursing (OSBN), 17938 SW Upper Boones Ferry Rd., Portland, OR, 971-673-0685, www.oregon.gov/OSBN.

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

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, 2015, for January 2016 admission. The application deadline may be extended if there are an insufficient number of qualified applicants (watch 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 Fridays 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 applicants (notification occurs by mid-November) must have proof of a valid unencumbered OSBN CNA certification current through November 1, 2015, and have completed required preparatory 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. Accepted students must successfully complete a CPR Health Care Provider course (adult/infant/child, one and two person, with AED) within one year prior to the September application deadline (to remain current throughout program). The CPR course must comply with the recently revised American Heart Association standards.

MO100 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., NA110 if 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 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 2016. 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 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 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

Course No.	Course Title	Credits
BI121	Elementary Anatomy and Physiology I with lab (within last seven years or BI231 and BI232 if both completed with labs within last seven years) ¹	4
MTH65	Fundamentals of Algebra II or higher level math ²	4
NA101	Basic Nursing Assistant (including skills lab and clinical or other OSBN-approved NA course with completion certificate; course waived for students with copy of current OSBN CNA certification attached to application) ³	0-9
WR115	Introduction to Expository Writing (or designated placement test score as shown on current indicator chart or completion of WR121)	0-3

TOTAL PREREQUISITE CREDITS 8-20

Required Preparatory Courses

Course No.	Course Title	Credits
CS ____	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency within 10 years ⁴	0-4
BI122	Elementary Anatomy and Physiology II with lab or	

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.

Course No.	Course Title	Credits
WR121	English Composition I	4
WR122	English Composition II	4
WR227	Technical Writing	4
SP111	Fundamentals of Public Speaking	4
SOC204	Introduction to Sociology	4
BI231	Anatomy and Physiology I with lab	4
BI232	Anatomy and Physiology II with lab	4
BI233	Anatomy and Physiology III with lab	4
BI234	Microbiology with lab	4
CHEM104	Introductory Chemistry I with lab and recitation	5
CHEM105	Introductory Chemistry II with lab and recitation	5
CHEM106	Introductory Chemistry III with lab and recitation	5
MTH111	College Algebra	4
NFM225	Nutrition	4
AH100*	Medical Terminology: Introduction	3

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.

Course No.	Course Title	Credits
WR121	English Composition I	4
WR122	English Composition II	4
SP111	Fundamentals of Public Speaking	4
PSY201	General Psychology I	4
BI231	Anatomy and Physiology I with lab	4
BI232	Anatomy and Physiology II with lab	4
BI233	Anatomy and Physiology III with lab	4
CHEM104	Introductory Chemistry I with lab and recitation	5
MTH111	College Algebra	4

BI233 Human Anatomy and Physiology III within last seven years if student completed BI231 and BI232 as prerequisites ¹	4
CPR Health Care Provider course (HE261 or other AHA or ARC adult/infant/child, one- and two-person course with AED) completed later than September one year before application deadline	0-1
WR121 English Composition ⁵	4

TOTAL PREPARATORY CREDITS 8-13

Required Courses

Course No. Course Title Credits

Winter (First) Term

PN101	Practical Nursing I	8
PN101C	Practical Nursing I Clinical	3
PSY101	Psychology of Human Relations or	
	BT101 Human Relations in Organizations	3
		14

Spring (Second) Term

PN102	Practical Nursing II	8
PN102C	Practical Nursing II Clinical	4
—	Approved program elective	0-3
		12-15

Summer (Third) Term

PN103	Practical Nursing III	8
PN103C	Practical Nursing III Clinical	4
PN104C	Practical Nursing Leadership Clinical (post-summer session) ⁶	2
		14

TOTAL PROGRAM CREDITS 48-56

Approved Program Electives

Course No. Course Title Credits

AH100	Medical Terminology: Introduction	3
CG100	College Success and Survival	2
LIB127	Introduction to Library Research Methods	1
RD115	Speedreading for College	3

¹ Virtual labs are not accepted for lab science courses.

² Required for graduation.

³ Accepted students will be required to provide the program secretary with proof of current unencumbered CNA certification in Oregon valid through at least November 1 in the year of application in order to retain acceptance and be admitted to the first practical nursing course the following winter term.

⁴ Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

⁵ WR121, 3 credits, completed before summer of 2009 is also acceptable.

⁶ Students must register for PN104C (post-summer session) at the same time they register for PN103 and PN103C.

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
Web address learn.roguecc.edu/nursing/practicalnursing
TTY Oregon Telecom Relay Service, 711

MTH112	Elementary Functions	4
AH100*	Medical Terminology: Introduction	3
—	Social Science Elective	3-4
—	Humanities Elective (non-studio)	3-4

*Formerly MO100

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.

Course No.	Course Title	Credits
WR121	Fundamentals of Composition I	4
WR122	Fundamentals of Composition II	4
WR227	Technical Writing	4
SP111	Fundamentals of Public Speaking	4
MTH251	Calculus I (Differential) with lab	5
MTH252	Calculus II (Integral) with lab	5
BI211	General Biology I with lab	4
BI212	General Biology II with lab	4
BI213	General Biology III with lab	4
CHEM221	General Chemistry I with lab and recitation	5
CHEM222	General Chemistry II with lab and recitation	5
CHEM223	General Chemistry III with lab and recitation	5
PH201	General Physics I with lab and recitation	5
PH202	General Physics II with lab and recitation	5
PH203	General Physics III with lab and recitation	5

Oregon public universities offering degrees in pre-professional medicine include:

University of Oregon	www.uoregon.edu
Eastern Oregon University	www.eou.edu
Oregon Tech	www.oit.edu
Oregon State University	www.oregonstate.edu
Portland State University	www.pdx.edu
Southern Oregon University	www.sou.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.

Course No.	Course Title	Credits	AAOT Category
BI101	Introduction to Biology I with lab or BI211 General Biology I with lab	4	Science
BI102	Introduction to Biology II with lab or BI212 General Biology II with lab	4	Science
MTH243	Probability and Statistics	4	Math
PSY201	General Psychology I	4	Social Science
PSY202	General Psychology II	4	Social Science
PSY215	Life Span Human Development	4	Social Science
SOC204	Introduction to Sociology	4	Social Science
WR227	Technical Writing	4	Elective

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
Oregon Institute of Technology	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.

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 pre-

requisites 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 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
MTH20	Pre-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
WR30	Fundamentals of Composition II or designated placement test score as shown on current indicator chart	0-4
Total Prerequisite Credits		0-16

Required Courses

Course No.	Course Title	Credits
First Term		
EET113	Exploration of Alternative Energies	3
EET125	Electronics Fundamentals I	6
MTH63	Applied Technical Math/Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4 13
Second Term		
EET112	Introduction to Mechatronics	5
EET118	Introduction to Renewable Energy Systems (RES)	5
WR115	Introduction to Expository Writing or WR121 English Composition I	3-4 13-14
Third Term		
EET120	Renewable Energy Systems (RES) Site Analysis and Design	4
EET126	Electronics Fundamentals II	7
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3 14
Fourth Term		
EET121	North American Board of Certified Energy Practitioners (NABCEP) Entry-level Preparation	2
EET130	Digital Fundamentals I	6
HE112	Emergency First Aid	1
	Approved program elective(s)	3-7 12-16

TOTAL PROGRAM CREDITS **52-57**

Approved Program Electives

(3-7 credits required)

Course No.	Course Title	Credits
CS125	Any computer science course, CS125 or above	variable

EET131	Digital Fundamentals II	6
EET140	Solid State Fundamentals	7
EET180	Cooperative Work Experience/Electronics	1-5
GS104	Physical Science with lab	4

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.	lbonney@rogucecc.edu
Web address.	www.rogucecc.edu/Electronics
TTY.	Oregon Telecom Relay Service, 711

Retail Management Certificate of Completion

About the Program

The Retail Management two-term program prepares students for entry-level positions in the retailing industry. It is also designed for current retail employees who would like to advance to supervisory and assistant management positions. This is a statewide consortium program sponsored by the Western Association of Food Chains (WAFC), and represents skills identified by the retail industry. Credits earned in this program may be applied to the one-year Business Assistant certificate, two-year Associate of Applied Science in Business Technology degree, as well as the Associate of General Studies 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.rogucecc.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.rogucecc.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.

Graduation Requirements

Students completed all courses in this program with a grade of "C" or better will earn a Retail Management certificate. Certain prerequisite 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

Course No.	Course Title	Credits
BA130	Concepts in Computing I or documented proficiency	0-2
BT113	Business English I ¹	4
BT114	Business English II ¹	4
LIB127	Introduction to Library Research Methods	1
MTH20	Pre-algebra or designated placement test score as shown	

RD30	on current indicator chart	0-4
	College Reading or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits **9-19**

Required Core Courses

Course No.	Course Title	Credits
BA131	Introduction to Business Computing	4
BA206	Management Fundamentals	3
BA214	Business Communications	4
BA223	Principles of Marketing	3
BA224	Human Resource Management	3
BA249	Retail Management	3
BT101	Human Relations in Organizations	3
BT151	Practical Accounting I	4
BT160	Business Math	4

TOTAL REQUIRED CREDITS **31**

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	atemple@roguecc.edu or bfrederickson@roguecc.edu
Web address	www.roguecc.edu/business
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.

Course No.	Course Title	Credits	AAOT Category
ANTH110	Introduction to Cultural Anthropology	4	Social Science
BI101	Introduction to Biology I with lab	4	Science
BI102	Introduction to Biology II with lab	4	Science
MTH243	Probability and Statistics	4	Math
PSY201	General Psychology I	4	Social Science
PSY202	General Psychology II	4	Social Science
PSY215	Life Span Human Development	4	Social Science
SOC204	Introduction to Sociology	4	Social Science
SOC205	American Society	4	Social Science
WR227	Technical Writing	4	Elective

Recommended electives

SOC211	Social Deviance and Social Control	4	Social Science
SOC213	Multicultural America	4	Social Science
SOC225	Social Problems	4	Social Science
SOC230	Gerontology	4	Social Science
SOC243	Drugs, Crime, and Addiction	4	Social Science

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

Portland State University	www.pdx.edu
Oregon State University	www.oregonstate.edu
University of Oregon	www.uoregon.edu
Western Oregon	www.wou.edu

Software 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 (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 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 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 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.

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

Course No.	Course Title	Credits
CS__	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
EET112	Introduction to Mechatronics	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
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	4
WR122	English Composition II	4
WR227	Technical Report Writing	4
LIB127	Introduction to Library Research Methods	1
—	Approved humanities electives ²	7-8

TOTAL GENERAL EDUCATION REQUIREMENTS 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
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
ENG244	Introduction to Asian American Literature	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
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202, 203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
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
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory and Aural Skills IV, V, VI	4-4-4
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	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
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
TA164,165,166	Writing for Theater	4-4-4

Note: Students who have graduated from high school or completed a high school equivalency program in 1997 or after must have: 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 for admission to a four-year Oregon college or university. If students plan to complete a Bachelor of Arts (BA) degree at a four-year school, they must have two years of same college-level language.

For more information contact the Computer Science Department:

Grants Pass 541-956-7311
 Medford 541-245-7527
 Toll free in Oregon 800-411-6508, Ext. 7311 or Ext. 7527
 email cdileva@rogucecc.edu or bfederickson@rogucecc.edu
 Web address www.rogucecc.edu/computerscience
 TTY 541-956-7338 or 541-245-7587

Sustainability Leadership Transfer to Southern Oregon University Associate of Science Degree

About the Program

The Associate of Science degree with a focus on Community Development for a Sustainable Future (Sustainability) has been developed with the cooperation and support of Southern Oregon University (SOU). The degree is fully articulated with SOU's Business program and enables students to transfer directly as juniors and be admitted into the Business program at Southern Oregon University with no loss of credits to pursue a bachelor's degree and certificate in Sustainability Leadership. Students should note that Associate of Science is the only designation that is recorded on their transcripts and printed degrees. This program offers an excellent balance of business, sustainability leadership, and general education courses that support advanced study in the field of business.

Students should contact the SOU School of Business early in the first year of 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 BA100 and ES210 at SOU during the first term. For more information contact Dr. Joan McBee at SOU at 541-552-8151 or jmcbee@sou.edu. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

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.rogucecc.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 col-

lege policies. 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

Course No.	Course Title	Credits
Writing Skills and Oral Communication		13
LIB127	Introduction to Library Research Methods	1
WR121	English Composition I	4
WR122	English Composition II or WR227 Technical Writing	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
Mathematics		8-9
MTH243	Probability and Statistics	4
Plus one math course from the following list:		
MTH105	Introduction to Contemporary Mathematics	4
MTH111	College Algebra	4
MTH112	Elementary Functions	5
MTH211,212	Fundamentals of Elementary Math I, II	5-5
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
TOTAL GENERAL EDUCATION CREDITS		21-22
Distribution/Exploration Requirements		33-36
Humanities ¹		
(complete at least one course from the following list)		10-12
Course No.	Course Title	Credits
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
HUM215,216,217,218,219	Native American Arts and Cultures	4-4-4-4-4
REL201	World Religions	4
Plus at least two courses from this list:		
ART204,205,206	History of Art I, II, III	4-4-4
ART211	Survey of Visual Arts	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
ENG244	Introduction to Asian American Literature	4
ENG253,254,255	Survey of American Literature I, II, III	4-4-4
ENG261	Literature of Science Fiction	4
ENG275	The Bible as Literature	4
FA101	Introduction to Motion Pictures	4
FR201,202,203	Second Year French I, II, III	4-4-4
HUM101,102,103	Introduction to Humanities I, II, III	4-4-4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3

MUS208	Film Music	3
MUS261,262,263	History of Western Music I, II, III	4-4-4
MUS264,265,266	History of Rock I, II, III	3-3-3
PHL101,102,103	Philosophical Problems/Ethics/Critical Reasoning	4-4-4
SP100	Basic Communication	3
SP115	Introduction to Intercultural Communication	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

Social Science 12

Course No.	Course Title	Credits
ECON201	Principles of Microeconomics	4
ECON202	Principles of Macroeconomics	4
SOC204	Introduction to Sociology	4

Science 11-12

Course No.	Course Title	Credits
GS106	Physical Science: Earth Science with lab	4
Plus any two courses from the following list:		
BI211	General Biology I with lab	4
BI213	General Biology III with lab	4
BI272	Introduction to Ecology with lab	4
ENV111	Introduction to Environmental Science	3
SC210	Environmental Resources with lab	4

Note: ES210 is required for the Sustainability Leadership certificate. Students must complete ES210 at SOU.

TOTAL DISTRIBUTION/EXPLORATIONS CREDITS 33-36

Program-specific Requirements

Course No.	Course Title	Credits
BA101	Introduction to Business	4
BA131	Introduction to Business Computing	4
BA211	Financial Accounting	4
BA213	Managerial Accounting	4
BA226	Business Law	4
BA282	Applied Business Statistics	4
PS226	Civic Engagement and Community Leadership	3
SOC213	Race and Ethnicity in America	4
SOC228	Environment and Society	4

TOTAL PROGRAM-SPECIFIC CREDITS 35

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.

TOTAL PROGRAM CREDITS 90-93

Note: Business majors are required to complete a minor or certificate program as part of their bachelor's degree requirements at SOU. Lower division classes for the Sustainability Leadership certificate are included in this agreement.

1 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 Social Science Department:

Grants Pass or Medford	541-245-7508
Toll free in Oregon800-411-6508, Ext. 7508
Web address	www.roguecc.edu/sustainability
TTY	Oregon Telecom Relay Service, 711

Sustainable Community Development

Focus Award

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 21st 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 learning 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

Course No.	Course Title	Credits
PS226	Civic Engagement and Community Leadership	3
SOC213	Race and Ethnicity in America	4
SOC228	Environment and Society	4
TOTAL REQUIRED CREDITS		11

Electives

(Choose elective courses from the following):

Leadership and Communication

(3-4 credits minimum)

Course No.	Course Title	Credits
BA131	Introduction to Business Computing	4
BA214	Business Communications	4
ED120/121/122	Leadership I/II/III	1-3
SP111	Fundamentals of Public Speaking	4
SP115	Introduction to Intercultural Communication	4
WR227	Technical Writing	4
—	Cooperative Work Experience as approved within major ¹	3

Diversity

(one class, 3-4 credits)

Course No.	Course Title	Credits
ANTH110	Introduction to Cultural Anthropology	4
ENG244	Introduction to Asian American Literature	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
HUM215/216/217/218/219	Native American Arts/Cultures	4
IS110	Introduction to International Studies I	4
REL201	World Religions	4
SOC235	The Chicano/Latino Historical Experience	4
SOC218	Sociology of Gender	4
—	Cooperative Work Experience as approved within major ¹	3

Sustainability

(one class, 3-5 credits)

Course No.	Course Title	Credits
BI213	General Biology III with lab	4
BI272	Introduction to Ecology with lab	4
CT103	Construction Carpentry III (may not transfer)	4
EET113	Exploration of Alternative Energies (may not transfer)	3

EET118	Introduction to Renewable Energy Systems (may not transfer)	5
ENV111	Introduction to Environmental Science	3
GEOG110	Introduction to Cultural and Human Geography	3
REL243	Nature, Religion and Ecology	4
SC210	Environmental Resources with lab (offered infrequently)	4
—	Cooperative Work Experience classes as approved within major ¹	3

TOTAL ELECTIVE CREDITS

9-13

TOTAL FOCUS AWARD CREDITS

20-24

Note: This focus award is not a formal, transcribed 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

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency ¹	0-4
MTH65	Fundamentals of Algebra II or designated placement test score as shown on current indicator chart	0-4
WR115	Introduction to Expository Writing or BT113 Business English I or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-12

General Education Requirements

Course No.	Course Title	Credits
HE250	Personal Health or HE252 First Aid/CPR or HPE295 Health and Fitness for Life or HE112 Emergency First Aid or HE261 CPR	1-3
LIB127	Introduction to Library Research Methods	1
MTH95	Intermediate Algebra or higher level math	4
PSY101	Psychology of Human Relations	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
WR121	English Composition I	4

Total General Education Credits 17-19

Required Core Courses

Course No.	Course Title	Credits
COMM225	Small Group Communication	4
CS125db	Data Base Management Systems	3
CS133js	JavaScript I	4
CS140	Introduction to Operating Systems	4
CS161	Computer Science I or CS133u Introduction to C++ Programming	4
CS162	Computer Science II or CS233r Ruby on Rails Programming	4
CS195	Web Authoring I (HTML/CSS)	4
CS196	Web Authoring II (HTML/CSS)	4
CS233js	Javascript II	4
CS235	Word Press/Content Management Systems (CMS)	3
CS240L	Advanced Operating Systems – Linux	4
CS245wd	Web Developer Portfolio and Professional Practices	3
CS247	Web Analytics and Search Engine Optimization	3
CS275	Data Base Development I	4
CS295	Web Development I (PHP)	4
CS296	Web Development II (PHP/MySQL)	4
CS296t	Team-based Web Development	4
CS297wd	Web Developer Studio/Capstone Project	3
—	Approved program electives	10-12

Total Required Core Credits 77-79

TOTAL PROGRAM CREDITS 94-98

Approved Program Electives

(10-12 credits required)

Course No.	Course Title	Credits
CS133b	Visual Basic I	4
CS133c#	Programming Fundamentals Using C#	4
CS133u	Introduction to C++ Programming (if not taken as core requirement)	4
CS160	Introduction to Computer Science	4
CS161	Computer Science I (if not taken as core requirement)	4
CS162	Computer Science II (if not taken as core requirement)	4

CS199ma	Special Studies: Introduction to Building Mobile Applications	4
CS233u	Advanced C++ Programming	4
CS233r	Ruby on Rails Programming (if not taken as core requirement)	4
CS235w	Website Design	4
CS280	Cooperative Work Experience/Computer Science	variable
GD120	Digital Graphics Design I	3
GD160	Digital Imaging: Photoshop	3
MTH111	College Algebra or higher level math courses	variable
SOC237	Computer-mediated Communication	4

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	cdileva@rogucecc.edu or bfrederickson@rogucecc.edu
Web address	www.rogucecc.edu/computerscience
TTY	Oregon Telecom Relay Service, 711

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.rogucecc.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 certificates and degrees in the Career Pathway. For more information, speak to a program advisor and review the roadmap at www.rogucecc.edu/Programs/CareerPathways.

Website Development

Certificate of Completion (44 credits)

- Website developer's assistant ¹
- Website developer ¹

Web Development: Website Assistant

Career Pathways Certificate (19 credits)

- Entry-level office assistant ¹
- Entry-level computer specialist ¹

Web Development, Associate of Applied Sciences (AAS) (94-98 credits)

- Computer specialist ¹
- Page author ¹
- Web master ¹
- JavaScript programmer ¹
- HTML programmer ¹
- Web administrator ¹
- Web developer ¹
- Web designer ¹
- Web specialist ¹
- Web information architect specialist ¹
- Web page writer ¹
- Net application developer assistant ¹
- Flash application developer assistant ¹

Management

SOU, Bachelor of Applied Science articulated with RCC's AAS degrees

- Supervisor/manager ¹
- Business owner ¹

Multimedia Studies

EOU, Bachelor of Arts or Science, not articulated

- Multimedia/computer specialist ¹

Web Developer

Portland State University, Master's in Software Engineering, not articulated

- Computer specialist ¹
- Computer software engineers, applications ¹
- Teacher 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

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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency ¹	0-4
MTH65	Fundamentals of Algebra II or higher level math or designated placement test score as shown on current indicator chart	0-4
WR115	Introduction to Expository Writing or BT113 Business English I or designated placement test score as shown on current indicator chart	0-4

Total Prerequisite Credits 0-12

Required Technical Courses

Course No.	Course Title	Credits
CS133js	JavaScript I	4
CS195	Web Authoring I (HTML/CSS)	4
CS196	Web Authoring II (HTML/CSS)	4
CS235	Word Press/Content Management Systems (CMS)	3

CS235w

Website Design I

4

TOTAL PROGRAM CREDITS

19

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 cdileva@roguecc.edu or bfrederickson@roguecc.edu
Web address www.roguecc.edu/computerscience
TTY Oregon Telecom Relay Service, 711

Website Development Certificate of Completion

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

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 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 a "C" or better grade.

Prerequisites

Course No.	Course Title	Credits
CS120	Concepts in Computing I or documented computer proficiency ¹	0-4
MTH65	Fundamentals of Algebra II or designated placement test score as shown on current indicator chart	0-4
WR115	Introduction to Expository Writing or	

BT113 Business English I or designated placement
test score as shown on current indicator chart

0-4

Total Prerequisite Credits

0-12

Required Technical Courses

Course No.	Course Title	Credits
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First Term

CS140	Introduction to Operating Systems	4
CS195	Web Authoring I (HTML/CSS)	4
MTH95	Intermediate Algebra or higher level math	4
WR121	English Composition I	<u>4</u>
		16

Second Term

CS133js	JavaScript I	4
CS240L	Advanced Operating Systems - Linux	4
CS247	Web Analytics and Search Engine Optimization	3
PSY101	Psychology of Human Relations	<u>3</u>
		14

Third Term

CS125db	Data Base Management Systems	3
CS196	Web Authoring II (HTML/CSS)	4
CS235	Word Press/Content Management Systems (CMS)	3
CS233js	Javascript II	<u>4</u>
		14

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 cdileva@rogucecc.edu or bfrederickson@rogucecc.edu

Web address www.rogucecc.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
- DEQ Onsite Wastewater Installer Training
- Code Update and Related Training
- Forklift Operator Safety Training
- High School Driver Training
- Landscape Contractors Training
- Pesticide Applicator Licensing
- Traffic Control Flagger
- Partnerships to Address Organizational Change Strategies
- 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
- Training the Trainer

Community Education

www.roguecc.edu/CommunityEd

- L Building, 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.

Customized Training

www.roguecc.edu/Workforce/Customized

- Josephine County, 541-956-7116
- Jackson County, 541-245-7900

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 County, 541-956-7116
- Jackson County, 541-245-7900

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

541-956-7116

- Adult Driver Training
- DMV-mandated Training
- High School Driver Training

Small Business Development Center

www.roguecc.edu/sbdc

Historic City Hall, 214 SW Fourth St., Grants Pass, OR
541-956-7494

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
- 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.

Small Business Management (SBM)

www.roguecc.edu/sbdc/sbm

541-956-7494

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.

Course Descriptions

www.roguecc.edu/CourseDescriptions

ALLIED HEALTH

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. Formerly offered as MO100. 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.

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 vitals, 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.

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 set up and sterilization techniques. Prerequisite: Admission to the Medical Assistant program.

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 or CLA170, prepares students to take the exam. Prerequisite: Acceptance into the Phlebotomy, Clinical Lab Assistant, or Medical Assistant programs.

AH105 2 credits

Communication and Professional Behavior

Prepares students for practicum 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.

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. Formerly offered as MO110. Prerequisite: AH100 recommended.

AH170, AH171 4 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.

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. Examples are drawn from small scale societies and from industrialized societies. Societies featured include the Trobriand Islanders of the South Pacific and the Ju/'hoansi of Southern Africa as well as others. Fulfills 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 archaeo-

logical 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.

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 the physiology of heating and cooling, modern air conditioning and refrigeration installation, troubleshooting and repair, internal and external controls common to air conditioning, technical mathematics, schematics and electrical circuits. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or electricians holding a journey-level card.

APR111 24 credits

Apprenticeship: Plumbers

Represents six required courses offered in six terms during the first two years of the Plumber Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes introduction to basic plumbing practices, vocabulary, operation of common equipment of the trade, technical mathematics, creation and interpretation of blueprints, piping and fixture installation and installation of DWV systems. 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 lay out 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 two years 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 theory and practice of boiler operation, mechanics of steam-generated power, characteristics of a variety of boiler designs, steam turbine operation, instrumentation and control devices, and installation/maintenance of a heating boiler. 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 electrical theory and circuits, applied mathematics and the principles of power distribution. Advanced topics include operation of single- and three-phase transformers, motors and alternators, DC motors and generators; calculations and tables required in sizing conductors, branch circuits, breakers, junction boxes, motors, generators and transformers. 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 techniques to determine heating and cooling systems based on heat-loss calculations, servicing refrigeration systems, making service estimates, characteristics and installation requirements of a variety of air conditioning systems, advanced control systems, building codes and preparation to successfully complete the HVAC-JATC Journeyman's license test. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or electricians 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 Plumber Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes water supply systems, plumbing DWV systems, backflow prevention techniques, review of the

Oregon Plumbing Code and preparation for successful passage of the Oregon plumbing license test. 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 will include the theory and practice of metal removal, operation of lathes, mills and grinders, drafting, rigging systems and practices and theory and application of hydraulics and pneumatics. 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. Topics covered are advanced techniques in mathematical calculations, duct design, field installation, layout, blueprint interpretation, fabrication of specialty items and basic welding required in sheet metal 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. Courses familiarize the apprentice with the current National Electrical Code (NEC) and include NEC layout, calculations, trade safety, fill, voltage drops, feeders, branch circuits, and grounding. The final three courses include advanced applications and review in preparation for passage of the Oregon Electrical License Examination. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or electricians holding a journey-level card.

APR229 16 credits

Apprenticeship: Airframe and Power Plant Mechanics

Represents three courses offered in the last three terms of the 30-month Airframe and Power Plant Mechanic Apprenticeship program. These courses will supplement on-the-job training with technical training required for trade comprehension, application and practice. Instruction includes trouble-shooting of power plant systems and flight controls, structural inspections and repair and principles of avionics. Potential students must be Bureau of Labor and Industries (BOLI)-registered apprentices or airframe and power plant mechanics holding a journey-level card.

ART

Lower Division Transfer Courses

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 to 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.

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.

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.

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.

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.

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.

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.

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.

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.

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 effects on viewers. Includes concept design from thumbnail to finished product, skill development as applied to logo, trademarks and business packages, and covers current standards of design.

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.

ART235 3 credits

Figure Drawing II

Continues development of skills in drawing the human primarily from the live model. Emphasis is on developing techniques 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.

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 artistic goals. Study of the context of contemporary figurative work, composition, problem solving, and creating finished works of art is emphasized. Prerequisite: ART235.

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.

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.

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.

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 storyboarding, 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.

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 application, firing, and other finishes for clay.

ART254 3 credits

Ceramics II

Continues ART253, and further explores the history, technology, design, and art of pottery. It reinforces expectations for students to achieve their goals, and to understand the continuing change of contemporary ceramic art techniques. Introduces materials, tools, and techniques in producing ceramic pottery and sculptural forms, and includes hand-building, wheel throwing, glaze formulation and application, firing, and other finishes for clay. Prerequisite: ART253.

ART255 3 credits

Ceramics III

Continues ART254 and further explores the history, technology, design, and art of pottery and ceramic art. It will reinforce the expectations of students to achieve their goals and to understand and explore the continuing change of contemporary ceramic art practice. Introduces students to advanced use of materials, tools, and techniques in producing ceramic pottery and sculptural forms emphasizing the development of individual direction and technical expertise. Prerequisite: ART254.

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.

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.

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.

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.

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.

ART278 3 credits

Sculpture III

Encourages students to develop critical as well as creative thinking through the exploration of materials, processes, concepts, and imagery. 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.

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, students are enabled to develop an individual sense of direction. This course introduces opaque painting techniques using acrylic paints.

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.

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.

ART293 3 credits

Welded Steel Sculpture III

Provides instruction in welding and fabrication of mild steel sculpture and the development of pedestal 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.

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: ART295.

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.

AUTOMOTIVE TECHNOLOGY

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.

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: RD30, BT113 or WR115 or designated placement test scores, and MTH60.

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: RD30, BT113 or WR115 or designated placement test scores, and MTH60.

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. Prerequisites: AM111 and AM120.

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.

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.

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.

AM190 4 credits

Automotive 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. Prerequisites: AM111 and AM120 or instructor approval.

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.

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.

AM233 7 credits

Advanced Automotive Computer Systems

Topics include OBDII systems, network computer systems, airbag system diagnosis, anti-lock brake diagnosis, electronic instrument clusters, security systems, and various other automotive computer systems. Prerequisite: AM232.

AM242 7 credits

Automatic Transmissions and Transaxles

Covers theory of operation, diagnosis, maintenance, and repair of automotive automatic transmissions and transaxles. Prerequisite: AM141.

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. Prerequisites: AM111, AM232, and AM233 or instructor approval.

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.

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.

BIOLOGY

Lower Division Transfer Courses

BI100GB 3 credits

Introductory Biology

Explores the principles of biology including the chemical and cellular level of organisms, the development and function of organismal structures, and the interaction of organisms in ecosystems. Designed for students who are not science majors and do not need a laboratory science course. Prerequisites: RD30 and WR30 or designated placement test scores.

BI100SB 3 credits

Biology of Human Body Systems

Presents a rational and systematic observation of the human body and allows identification, description and discussion to create a basic understanding for students interested in the Basic Health Care certificate or anyone interested in a basic understanding of how the human body works. Topics include body organization, basic chemistry, cell structure and function, tissues, and an overview of the major body systems. Prerequisite: RD30 or designated placement test score.

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.

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.

BI109 4 credits

Marine Animals and Plants w/Lab

Reviews marine biology and associated shore life. Includes identification of marine plants and animals. Prerequisites: MTH60, RD30 and WR30 or designated placement test scores or permission of instructor; GS104 recommended.

BI121 4 credits

Elementary Anatomy and Physiology I w/Lab

Covers basic anatomy and physiology for Massage Therapy and Practical Nursing program students. Includes body orga-

nization, 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 score; MO100 and CHEM104 highly recommended.

BI122 4 credits
Elementary Anatomy and Physiology II w/Lab

Covers essential anatomy and physiology of the following body systems: cardiovascular, endocrine, lymphatic, 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.

BI149 3 credits
Human Genetics

Covers basic concepts of genetics as they have developed since the 19th century. Discusses current techniques that are being developed and applied to problems of inheritance patterns, genetic disorders, and genetic therapy. Prerequisites: RD30 and WR30 or designated placement test scores.

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 majoring in the biological sciences, science education, and related allied health fields. Covers the molecular and cellular aspects of biology including the scientific method, cell structure and function, biological membranes, cell division, inorganic, organic and biochemistry, enzymes, cellular respiration, biochemical genetics, basic heredity, genetic engineering and DNA-RNA-protein synthesis mechanisms. Prerequisites: MTH60 and RD30 or designated placement test scores; CHEM104 highly recommended.

BI212 4 credits
General Biology II w/Lab

Designed primarily for pre-professional students majoring 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 taxa of each kingdom. Prerequisite: BI211.

BI213 4 credits
General Biology III w/Lab

Designed primarily for pre-professional students majoring in the biological sciences, science education, and related allied health fields. Topics include discussion of the fungal and plant kingdoms; the structure, growth, function and differentiation of leaves, roots, stems, flowers and plant reproduction; and basic principles of ecology the includes communities, population, ecosystems, the ecosphere and human impact on the environment. Prerequisite: BI211 or BI212.

BI231 4 credits
Anatomy and Physiology I w/Lab

Designed for pre-professional students planning careers in nursing, dental hygiene, physical therapy, emergency medical technology, imaging or science. Discusses anatomical structure and physiological processes, including organs, systems, tis-

sues, bodily dysfunctions, and diseases. Dissection required. Students must enroll in lecture and laboratory sections. Prerequisites: BT113 or WR115 or designated placement test scores and BI211; CHEM104 highly recommended.

BI232 4 credits
Anatomy and Physiology II w/Lab

Designed for pre-professional students planning careers in nursing, dental hygiene, physical therapy, emergency medical technology, imaging or science. Discusses anatomical structure and physiological processes, including organs, systems, tissues, bodily dysfunctions, and diseases. Dissection required. Students must enroll in lecture and laboratory sections. Prerequisites: BI231 or BI232; CHEM104 highly recommended.

BI233 4 credits
Anatomy and Physiology III w/Lab

Designed for pre-professional students planning careers in nursing, dental hygiene, physical therapy, emergency medical technology, imaging or science. Discusses anatomical structure and physiological processes, including organs, systems, tissues, bodily dysfunctions, and diseases. Dissection required. Students must enroll in lecture and laboratory sections. 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; CHEM104 highly recommended.

BI272 4 credits
Introduction to Ecology w/Lab

Provides a general, non-technical introduction to ecology as a science including perspectives of relationship of environment to organisms. The role of human activities also is investigated. Students must enroll in lecture and laboratory sections. Prerequisite: Any 100- or 200-level lab science course.

BI280 Variable credit
Cooperative Work Experience/Biology

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.

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 principles and concepts through the use of terminology and examples culminating in a project where students learn the steps of creating a business by assessing market conditions, doing a SWOT analysis, and developing a basic business plan.

Prerequisites: RD30 and WR30 or designated placement test scores, BA130 or passing of the proficiency exam, and access to the Internet.

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 2013 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 2013, Excel 2013, and PowerPoint 2013. The textbook provides a trial version of Office 2013, which will accommodate the software needs of the class. 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; CS125s recommended.

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 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. Note: This course will not fulfill the Cooperative Work Experience requirement on the two-year Business Technology AAS degree. Prerequisites: BA109 and permission of CWE instructor.

BA199 Variable credit Special Studies: Business

Offers selected topics of study in business through workshop, seminar, and independent study formats. Offered on demand. Prerequisite: Permission of instructor.

BA206 3 credits Management Fundamentals

Emphasis is on the four functions of management (planning, organizing, directing and controlling) from a socially responsible and ethical view. Students will be able to distinguish among different types of plans, develop mission statements, set goals and objectives, design an organizational structure and recognize staffing and training issues. Exposure to motivation and leadership theories, managing human resources, working in teams, and evaluation of the planning process are included. Prerequisites: BA101; BT101 and BT102 recommended.

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.

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.

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; LJB127 (may be taken concurrently); CS125ww recommended.

BA218 3 credits Personal Finance

Introductory course designed to acquaint the student with principles, terminology, and concepts of personal financial management. Examines consumer protection, budgeting, wise spending habits, avoiding frauds/swindles, 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.

BA223 3 credits Principles of Marketing

Comprehensive course designed to acquaint the student with basic marketing principles, terminology, and applied marketing concepts. Introduces basic concepts of product development, branding, pricing, promotion, and distribution. Consumerism, social and legislative issues, and marketing research are also

covered. Prerequisites: BT113 or WR115 and RD30 or designated placement test scores; BA101 recommended.

BA224 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.

BA226 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 and RD30 or designated placement test scores.

BA228 2 credits Computer Accounting Applications

Correlates manual accounting and accounting theory using QuickBooks accounting software. Includes general ledger, accounts receivable, accounts payable, inventory, and payroll. Prerequisites: BA211 or BT151; BA130 (or passing of proficiency test) is required for the Web-based course.

BA233 3 credits Internet Marketing

Builds on the concepts learned in BT121. Explores traditional as well as new methods to identify market opportunity, formulate marketing strategy, design the customer experience, create the customer interface, design the marketing program, determine the best use of technology, and evaluate the results of an online marketing program. Applies the "four Ps" of marketing to plan methods for improving an online or existing "bricks and mortar" business, while determining strategies on how to best use the Internet to improve customer relations. Prerequisites: BT113 or WR115 or permission of instructor; BT121 and BA223 recommended.

BA240 3 credits Filing and Records Management

Provides rules and practice for filing records (according to American Records Management Association rules) and correspondence including alphabetic, numeric, subject, and geographic methods. Introduces the management of documents, retention, transfer, and disposition of records. Prerequisites: RD30 and WR30 or designated placement test scores.

BA243 3 credits Social Media Marketing

Covers the basics of social media marketing, creating online conversations through social media outlets, social media strategy, branding through social media sites, value in the organization's content, aligning offline marketing strategies with social media, and why a social media consultant may be a viable solution to social media goals. Prerequisites: BT114 or WR121 and RD30 or designated placement test scores; BA223 recommended.

BA249 3 credits 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.

BA280 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.

BA282 4 credits Applied Business 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 problem. 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: BA131, MTH243, and RD30; CS125ss recommended.

BUSINESS TECHNOLOGY

Career and Technical Courses

BT101 3 credits Human Relations in Organizations

Uses current research, lecture, class discussion, group activities, videos, guest speakers, and supplemental exercises to examine common situations and problems in human relations in organizations. Includes ethics, communication, group dynamics, power and influence, self-awareness (communication styles, self-esteem, attitudes, emotions, and ethics), workplace diversity, motivation, trust-building, self-disclosure, teamwork, and conflict management. Prerequisites: RD30 and WR30 or designated placement test scores.

BT102 3 credits Introduction to Supervision

Builds on information covered in BT101. Focuses on skills and techniques for current and potential supervisors with emphasis on day-to-day strategies that first-line managers use when directing and evaluating employees. Prerequisites: RD30 and BT113 or WR115 or designated placement test score; BT101.

BT105 3 credits Business Ethics

Studies contemporary topics in business ethics. Reviews arti-

cles and publications related to how business deals with ethical issues. Panel discussions, role-playing, guest speakers, and case studies are used to develop skills in recognizing and resolving ethical issues. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores.

BT106 3 credits **Advertising**

Provides insight into the role of advertising and integrated brand promotion. Each specific advertising medium will be covered in detail. Both traditional and emerging advertising media will be covered. Students will prepare an end-of-the-term project in which they will use the skills they have learned to analyze various forms of advertisements. Prerequisites: RD30 and BT113 or WR115 or designated placement test scores; BA223 recommended.

BT111 2 credits **Conflict Management**

Building on the foundational human relations concepts covered in BT101/PSY101, this class provides the student with the skills to turn conflict into a positive experience. Students will identify what conflict is, positive and negative aspects of conflict, types and sources of conflict, and strategies in dealing with conflict. Through the use of self-assessment instruments, students will identify their personal conflict management style(s). Other topics include emotional aspects of conflict, determining which approaches to conflict management are overutilized and underutilized, and stress and anger management strategies used in conflict management. Prerequisites: BT113 or WR115 or designated placement test score, and BT101 or PSY101.

BT113 4 credits **Business English I**

Gives students a firm and thorough foundation in the fundamentals of business writing by focusing on grammar basics, mechanical skills in writing, sentence structure, proofreading and editing skills, and vocabulary development. The course surveys the basic conventions, purposes, and strategies of standard written English, and therefore develops students' confidence in their own ability to write effectively at the college level. Students are given extensive practice in these areas, applying what they have learned to typical business situations, language, and formats. Special attention is given to paragraph and essay development. Prerequisites: RD30 and WR30 or designated placement test scores; BA130 (or passing of proficiency test) is required for the Web-based course.

BT114 4 credits **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 and BT120 or typing speed of 25 wpm; LIB127 and BA131 (may be taken concurrently); BA130 (or passing of proficiency test) is required for the Web-based course; CS125ww recommended.

BT115 3 credits **Editing and Proofreading**

Applies previously learned English skills to proofreading and editing business documents. Covers computer proofreading, 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.

BT121 3 credits **Introduction to e-Commerce**

Introduces the use of the Internet to improve business profit. Includes an introduction to the World Wide Web, e-business ideas, e-business planning, legal issues, Web design, security issues, evaluation of the e-business optimal 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. Prerequisites: BA131 or CS120 or permission of instructor.

BT151 4 credits **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; CS125ss (may be taken concurrently).

BT160 4 credits **Business Math**

Introduces math applications used in business including percentages, fractions, interest (compounding, present value, future value), and other common business applications. A Texas Instruments BA II Plus or TI-83/84 calculator is recommended. Prerequisites: MTH20 and RD30 or designated placement test scores.

BT161 4 credits **Practical Accounting II**

Continues BT151 with emphasis on a merchandising business by reviewing special journals and preparing working papers and financial statements. Introduces asset valuation to account for receivables, bad debts, merchandise inventory, plant assets, and depreciation in accordance with generally accepted accounting principles as well as liability/investment reporting. Provides a comprehensive coverage of accrual and deferral adjusting entries. Homework assignments will utilize Excel templates. Prerequisite: BT151 or BA211.

BT165 2 credits **Writing a Business Plan**

Expands on the foundation of BA101. Examines the process of developing 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; BT250 recommended.

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.

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.

BT204 4 credits **Project Management**

Teaches the fundamentals of project management methodology and follows guidelines and techniques established by the Project Management Institute. Key management techniques are designed to assist students in addressing organizational issues, effectively working with project stakeholders, and motivating project teams. Students will be engaged throughout the course in producing a project management notebook that addresses key skills learned in the class and includes the student's project management plan, completed class exercises and class handouts. It is intended to serve as a useful guide for future projects in which students may become involved. Prerequisites: BA131 or CS120, BT114 or WR121, and RD30.

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.

CAREER AND GUIDANCE

Lower Division Transfer Courses **(except where noted)**

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.

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: RD 30 and WR30 or equivalent placement test scores.

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.

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.

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.

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.

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, occupational and professional requirements, job outlook, wage ranges, and employer expectations. Offered 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.

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.

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. Prerequisites: 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.

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.

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: CS120 recommended. Corequisite: MTH95.

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.

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.

CHEM244 4 credits

Quantitative Analysis w/Lab

Introduces the statistical treatment of data reduction as it applies to analytical chemistry and quantitative analysis. A continuation of subjects introduced in CHEM104 and CHEM221, the course delves into the design and handling of experimental procedures used to investigate materials including gases, liquids, and solids. Students must enroll in lecture and laboratory sections. Prerequisites: CHEM104 or CHEM221 and MTH95; CS120 recommended.

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 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.

CLINICAL LABORATORY ASSISTING

Career and Technical Courses

CLA111 3 credits **Clinical Lab Practice**

Introduces the field of clinical laboratory science. Includes state and federal regulations, quality assurance practices, laboratory terminology, staffing, and a basic understanding of quality laboratory testing in the clinical laboratory, including an introduction to the use and care of the microscope and other laboratory supplies and equipment, basic blood cell morphology, basic urinalysis, bloodborne pathogens and ABO/Rh blood grouping. Prerequisite: Acceptance into the Clinical Lab Assistant program.

CLA112 4 credits **Clinical Lab Practice II**

Includes an introduction to clinical chemistry, quality control and laboratory statistics. This is the second course in a sequence introducing the field of clinical laboratory science. The study of hematology, blood collection, and coagulation and urinalysis are also included. Students also learn how to safely and effectively draw blood using venipuncture and capillary puncture methods. Prerequisites: CLA111 and acceptance into the Clinical Lab Assistant program.

CLA150 3 credits **Hematology w/Lab**

Covers basic hematology principles and basic laboratory practices related to hematology, including blood cell, hemoglobin and platelet production. Students study blood cell development and disorders associated with both red and white blood cells. Laboratory safety and quality assurance are included, as well as lab procedures relating to slide preparation and measuring blood cell volumes using a hematocrit. Students will determine the suitability of specimens and look at numerous case studies from the lab to be aware of variances and other technical factors that may alter results of testing. Erythrocyte sedimentation rates and reticulocyte counts are also studied. Meets the standards and objectives for the clinical laboratory assistant as outlined in the NAACLS certification requirements. Prerequisite: Acceptance into the Clinical Lab Assistant program.

CLA160 3 credits **Immunohematology w/Lab**

Introduces basic theory and concepts of antigen/antibody reactions, relationships of infection and immunity, and the study of specific serological methods for the diagnosis of disease. It also includes the theory of blood group antigens and the genetics of their inheritance. Methods of performing blood grouping, compatibility tests, and component selection will be taught. The laboratory component of the course will be used to develop the skills required to perform blood bank procedures. Prerequisites: Acceptance into the Clinical Lab Assistant program.

CLA170 3 credits **Clinical Laboratory Assistant Practicum and Seminar**

Students work an average of 10 hours per week at a host site as part of the clinical lab team. Students experience first-hand the various operations within clinical laboratory and phlebotomy settings. Students 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 Clinical Lab Assistant competitive-entry cohort and successful completion of all first term CLA courses.

COMMUNICATION

Lower Division Transfer Courses

COMM201 4 credits **Media and Society**

Introduces the study of mass communication, exploring such areas as media theory, ethics, media production, content, and societal impact. Prerequisites: RD30 and WR121.

COMM221 1-3 credits **Forensics Practicum**

Develops public speaking skills through intercollegiate competition. Prerequisite: Permission of instructor.

COMM225 4 credits **Small Group Communication and Problem-solving**

Examines the nature of communication in a group or team context. Students will learn about individual and group roles, methods of negotiation and problem-solving, leadership, and the evolving nature of groups in business and society. Prerequisites: SP100, SP111 or SP218.

COMM229 3 credits **Oral Interpretation**

Introduces students to speech as a performance art. Students will interpret various works of prose, poetry, and drama and demonstrate their understanding of the work through original performance. Prerequisite: SP111 or permission of instructor.

COMM237 4 credits **Communication and Gender**

Examines communication similarities and differences as related to gender and sex. More specifically, this class explores the relationship between one's sex, sexual preference, and gender identity with cultural and social expectations towards the creation and management of meaning. Gender issues to be explored include the dimensions of power, cultural and social values, language use, nonverbal communication, conflict resolution, and romance. Fulfills cultural literacy requirement within the AAOT degree. Prerequisites: SP100, SP111 or SP218.

COMM270 3 credits **Argumentation and Debate**

Encourages students to analyze, respond to, and refute the arguments of others while backing their own claims with solid logic and reasoning. Public speaking skills are stressed and required as part of this course. Prerequisite: SP100 or SP111.

COMM280 Variable credit **Cooperative Work Experience/Communication**

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 organiza-

tional 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**

The lecture portion of this course covers computer terminology, understanding how key components function, the guidelines for purchasing computer equipment or software, how the Internet works, and strategies that can help protect the online user. The role of the operating system and how files are stored and organized will also be covered. In the hands-on lab portion, students will learn how to use word processing, spreadsheet, and presentation software. Additionally, e-mail, Internet, basic Windows operating systems fundamentals, basic utility use, and file management skills will be covered. Prerequisites: CS60, MTH20, RD30, and WR30 or designated placement test scores.

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.

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.

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.

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.

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.

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; adding graphic elements; designing with text; symbols, instances, and libraries; working with sound and motion; creating interactivity; combining Flash with HTML; and publishing a Flash website. Prerequisite: CS120 or equivalent computing experience.

CS125G 3 credits

Survey of Computer Game Development

Introduces students to introductory game programming concepts, the development side of gaming as well as computer game graphics in both 2D and 3D formats. Students will learn basic skills in several programs used in the industry for game development. Also covers the history of gaming and career opportunities in the computer gaming industry. Prerequisites: CS120 or instructor's permission.

CS125PPT 2 credits

Effective Presentations

Includes a hands-on approach to develop competency in basic and advanced concepts and commands of PowerPoint 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.

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: CS125db and MTH65.

CS125SS 3 credits

Spreadsheet Applications

Covers spreadsheet commands and operations. Topics include macros, use of functions, graphs, data operations, and linking of files. The spreadsheet application used is Microsoft Excel. Prerequisites: CS120 or BA131 and MTH60 or BT160.

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.

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 print features, file maintenance, macros, templates, page numbering, columns, tables, merging, and graphics. Prerequisites: CS120 or BA131.

CS133B 4 credits

Visual Basic I

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 MTH95.

CS133C# 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 MTH95.

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

Presents 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.

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 Microsoft Windows operating system. Emphasis is placed on fixed-disk management and the management of the operating system. Topics include the comparison of various operating systems, input/output control, introduction to the command line, software and operating system installation, customization, and windowing environments. Windows and management utilities are used. 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 score; CS140 recommended.

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 CS133 course or CS160; MTH111 or higher.

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.

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.

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; WR121 (may be taken concurrently); CS140 recommended.

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.

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 smart phones 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.

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, IRQ/Memory conflicts, safety, Electrostatic Discharge (ESD), fundamental electronics measurement, and proper documentation techniques. Prerequisites: CS140 and MTH60 or MTH63 or permission of instructor.

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.

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.

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.

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 stu-

dents to the core principles and methodologies of information architecture including content assessment and organization, defining organizational structures, and developing interactive website prototypes. Prerequisite: CS196; CS125v recommended.

CS240 4 credits

Advanced Operating Systems

Covers the advanced functions of the Windows operating system. Coverage includes operating system customization, performance and maintenance of an operating system, working with group policy, using the command line to troubleshoot and configure an operating system, working with user and file security, PowerShell, VBScripting, and networking functions. Prerequisite: CS140.

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. Prerequisite: CS140.

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 connectedness, 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.

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 SEO software will be reviewed and online analytics certification testing will be administered onsite. Prerequisite: CS195.

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, $O()$, $\Theta()$ and $\Omega()$ 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, implemen-

tation, 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.

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 (DMS), dynamic host configuration protocol (DHCP), and system backup and restore. Prerequisites: CS140 and CS179.

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

Various server-side scripting languages used to generate dynamic websites will be explored. Covers PHP, Laravel, DNS and web hosting, Apache, database access, searching, filtering, and displaying data in dynamically generated Web pages. Students will also cover topics on forms processing, data validation, session tracking, passing data between Web pages, security, and user authentication over the Web. Secure and maintainable coding practices will be introduced. Prerequisites: CS195; CS196 (must be taken concurrently).

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 updating software and projects, understanding code blocks, catching errors and raising exceptions, using migrations to manage database changes, improving performance, dealing with form validations and model callbacks, using partials and helpers to organize views, salting passwords for increased security, storing session data, understanding and defining custom and named routes, pagi-

nating and using third party plug-ins. Useful case assignments will be applied including online shopping cart development. Secure, "DRY," and maintainable best practice coding techniques will be emphasized. Prerequisite: CS295.

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.

CS297WD 3 credits

Web Developer Studio/Capstone Project

Advances exploration of Web development utilizing the Web development skills learned in CS195, CS196, CS295, CS297, CS245WD, and CS133JS. 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.

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 Courses

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 BT113 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 orients 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.

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.

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.

CJ94 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.

CJ95 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. Course does not transfer.

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.

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.

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.

CJ99 0 credit

Criminal Justice Workshop

Provides inservice 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.

CJ110 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.

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.

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.

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 orients 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.

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.

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.

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.

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.

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.

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.

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.

CJ199 Variable credit

Special Studies: Criminal Justice

Presents special topics of interest to 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

Focuses 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.

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.

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.

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 rights law and professional liability will be addressed. Prerequisite: CJ120.

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.

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.

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.

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.

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 asepsis 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.

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 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/autoclave oper-

ation, instrument and equipment sterilization/disinfection, treatment room disinfection, and dental asepsis 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.

DA102 4 credits

Dental Assisting II

Builds on material learned in Dental Assisting I, specifically reinforcing oral and facial anatomy, tooth numbering, names of tooth surfaces, dental charting and oral assessment. 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.

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.

DA103 2 credits

Dental Materials

Introduces materials used in a dental office including impression materials, model and die materials, fabrication of dental trays, preventive dental materials, esthetic and restorative dental materials, amalgam, dental cements, waxes, and temporary restorative materials. Prerequisites: DA105, DA106, DA152, DA201A/B and DA203.

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.

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.

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.

DA150 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.

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.

DA201 4 credits **Dental Radiology**

Prepares students for the Dental Assisting National Board (DANB) Radiation Health and Safety (RHS) 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.

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. Prerequisite: DA102, DA102A/B, DA104, DA150 and DA201.

DA202 2 credits **Infection Control**

Prepares students for the Dental Assisting National Board's (DANB) Infection Control Exam (ICE). The class 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 asepsis, and occupational safety. Corequisites: DA101 and DA101A/B or department approval.

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.

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.

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 (ORB); 3) pass the Oregon Expanded Functions – General Dental Assisting Exam (ORXG); and 4) provide certification from a licensed dentist stating that the applicant has completed 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

DS275 6 credits

Preventative Maintenance Inspection

Provides culmination 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 onboard systems. Prerequisites: DS113, DS131, DS151, DS160, DS232, and DS270.

DS280 Variable 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.

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.

EARLY CHILDHOOD AND ELEMENTARY EDUCATION

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.

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, developing an effective early childhood classroom program based on the needs and interests of the children, and continuing professional growth. Covers the process of Child Development Associate (CDA) credentialing. Includes the CDA subject areas of families, program management, and professionalism. Community observations in early childhood settings are required. Course may include an online component. Equivalent to ECE136A, ECE136B, ECE136C. Prerequisites: RD30 and WR30 or designated placement test scores.

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; ECE161, ECE163, or ED165 or permission of instructor

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.

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.

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.

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 WR115 or designated placement test scores.

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.

ECE199 1-3 credits

Selected Topics in Early Childhood Education

Studies issues related to early childhood education.

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.

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; ECE161, ECE163, or ED165 or permission of instructor; ECE250 or ECE251 recommended.

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 WR115 or designated placement test scores.

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; ECE161, ECE163, ED165 or permission of instructor.

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; ECE161, ECE163 or ED165.

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.

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; ECE161, ECE163, or ED165 or permission of instructor.

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.

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.

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.

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.

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; ECE163 or permission of instructor.

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 and ECE161 or permission of instructor.

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.

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 WR115 or appropriate placement test scores; HS155 and HS158.

ECE261 4 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 6 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.

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.

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.

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.

ECE288 3 credits

Early Literacy

Emphasizes setting up environments and planning activities that support emerging language and literacy skills in young children. Covers the developmental continuum of reading and writing skills and using developmentally appropriate practices (DAP) to support reading and writing development. 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.

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.

ECONOMICS

Lower Division Transfer Courses

ECON115 3 credits

Introduction to Economics

Surveys the principles of economics, evolution of economic thought, and development of present United States economic structure. Covers concepts of supply and demand, opportunity costs, and history of economic ideas. Course does not substitute for ECON201 or ECON202 in the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 and BT114 or WR121.

ECON201 4 credits

Principles of Microeconomics

Introduces students to consumer and company behavior and the market process. The economic analysis of different market structures of perfect competition, imperfect competition, and monopoly are analyzed along with the principles of income distribution and resource allocation under a market system. Prerequisites: RD30 and BT114 or WR121; CS125ww recommended.

ECON202 4 credits

Principles of Macroeconomics

Deals with human behavior and choices as they relate to the entire economy. Covers aggregate demand and aggregate supply of goods and services, how tax and spending affect the entire economy's output and employment, and how the Federal Reserve can manipulate the supply of money, inflation, and economic growth. Prerequisites: RD30 and BT114 or WR121; CS125ww recommended.

EDUCATION

Lower Division Transfer Courses

ED120 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).

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. Prerequisite: BT114 or WR121 (may be taken concurrently).

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. Prerequisite: BT114 or WR121 (may be taken concurrently).

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 informatics 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.

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.

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 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 WR115 or designated placement test scores.

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.

EFFECTIVE LEARNING

Post-secondary Remedial Courses

EL115A 2 credits

Effective Learning and Study Strategies (Part A)

Develops and improves academic-related skills in the beginning college student. Students explore the various behaviors and use of resources associated with student success, and practices numerous study skills techniques such as goal setting, test taking, and time management. Attention is given to application of study skills to academic, career, and personal situations. Corequisites: WR20 and RD30 or designated placement test scores suggested.

EL115B 2 credits

Effective Learning and Study Strategies (Part B)

Develops and improves academic-related skills in the beginning college student. Students explore the various behaviors and use of resources associated with student success, and practices numerous study skills techniques such as goal setting, test taking, and time management. Attention is given to application of study skills to academic, career, and personal situations. Corequisites: WR20 and RD30 or designated placement test scores suggested.

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 ANSI 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 soldering, wires and terminals, and inspection. Students will obtain J-STD-001B certification upon successful completion of the course.

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.

EET115 5 credits **Applied Electronics Fundamentals**

Provides students with basic electronics principles necessary for the understanding and hands-on application in technology areas including personal computer, microprocessor, and renewable energy systems. Topics covered include safety; electrical components and wiring; electronic test instruments; tools and fasteners; electrical units and nomenclature; principles and analysis of series, parallel, and series-parallel circuits; and electrical power generation and control using solid state and digital devices and circuits. In addition to enhancing learning by providing practical applications of circuit models, lab assignments provide for increased competency and knowledge in the proper application and use of industry-standard test equipment. Prerequisite: MTH60 or higher level math.

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: EET115 or EET125 or permission of instructor. Corequisite: 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 photo voltaic (PV) energy systems. Prerequisites: EET115 or 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: EET118 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. Corequisite: 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. Corequisite: MTH60 or MTH63.

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 combination 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: EET115 or 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, PLD 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.

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.

EET140 7 credits **Solid State Fundamentals**

Introduces the theory, mathematical concepts, calculations, application, and troubleshooting of semiconductor solid-state electrical devices. Topics include atomic theory basis of semiconductor electrical behavior and PN junction theory and applications, including diode and bipolar junction transistors. The course emphasizes utilization of graphical, analytical, and modeling techniques for DC and AC analysis of solid-state diode and bi-polar junction amplifier small signal circuit applications. Heavy emphasis is placed on integration of circuit theory to problem solving and troubleshooting skills. In addition to hands-on experience with industry-standard test equipment, software simulation is used to enhance the presentation of theory and circuit applications, and development of troubleshooting skills. Prerequisite: EET126.

EET180 Variable credit **Cooperative Work Experience/ Electronics**

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.

EET180S 1 credit **Cooperative Work Experience Seminar/Electronics**

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.

EET199 1-6 credits

Selected Topics in Technology

Provides study for students in technical programs in areas linked to industry. State-of-the-art equipment is used for industry standard-level instruction.

EET205 1 credit

International Society of Certified Electronics Technicians (ISCET) Certification Preparation

Prepares students for ISCET associate level examination using software, review exercises, and ISCET study guide. Emphasis is on direct current, alternating current, digital and solid-state theory, devices, and circuits. In addition, component, circuit, and systems troubleshooting is reviewed with an emphasis on proper test equipment calibration, set up, and usage. Prerequisite: EET220 or approval of instructor.

EET215 5 credits

Operational Amplifiers and Linear Integrated Circuits

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

Presents 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.

EET230 6 credits

Radio Frequency Communications Fundamentals

Examines the principles and circuitry utilized for radio frequency transmission and reception. In addition to basic prin-

ciples 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 development of hands-on operational performance evaluation, tuning, and troubleshooting skills. Prerequisite: EET220.

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, the 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.

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.

EET241 5 credits

Microcontrollers II

Continues exploration of computer architecture with focus on the Atmel AVR 8-bit RISC microcontrollers. Includes advanced study of interfacing and initializing of specialized integrated circuits necessary for advanced applications. Students will also explore the circuitry and programming necessary to interface high-power devices like stepper motors to microcomputer ports. In addition, students will be introduced to C high-level language as it relates to programming microcontroller-based systems. Prerequisite: EET240.

EET250 4 credits

Prototype Development and Documentation

Emphasizes technical writing and documentation while developing a functioning electronic system. Includes design and construction of a prototype electronic project requiring integration of a microcontroller-based system with digital and analog devices. Projects include the use of complex programmable logic devices (CPLDs) from Xilinx and the WebPack software ISE 7.1 for development of designs and test-bench waveforms. Prerequisites: EET220 and EET240; corequisite: EET241 recommended.

EET280 Variable credit

Cooperative Work Experience/Engineering

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.

EET280S 1 credit

Cooperative Work Experience Seminar/Electronics

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.

EMERGENCY MEDICAL SERVICES

Career and Technical Courses

EMS160 2 credits

Electrocardiogram (ECG) Interpretation

Focuses on a basic introduction and understanding of electrocardiograms (ECGs). It 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, how to interpret sinus rhythms, atrial rhythms, junctional and ventricular rhythms, as well as AV blocks and pacemaker rhythms. Prerequisite: Some form of medical training or background is suggested (e.g., EMT, CNA, etc.).

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; included 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.

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.

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.

EMS181 5 credits

Advanced Emergency Medical Technician Part I

The first of the didactic and lab portions of the preparation for licensure in Oregon and certification by National Registry of EMTs (NREMT) for Advanced Emergency Medical Technician (AEMT). 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 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.

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 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 and completion of EMS181 with a "C" or better grade.

EMS183 2 credits

Advanced Emergency Medical Technician Part III Clinical Practice

Focuses on practical application of the skills and knowledge acquired in EMS181 and EMS182. This is the final component of the advanced EMT coursework. Includes a minimum of 84 lab hours (48 hours of ambulance internship and 36 hours in the emergency department). Prerequisites: Current Oregon EMT license and completion of EMS181 and EMS182 with a "C" or better grade.

EMS205 3 credits

Crisis Management

Focuses on crises encountered in a variety of settings related to public safety. Presents material on the communication and interaction with people in various crisis situations, death and death notification, suicide, behavioral emergencies, abuse, and stress. Techniques on the initial intervention, defusing and assessment, and referral in crisis are discussed. Prerequisite: RD30 and BT113 or WR115 or designated placement test scores, and completion of ES132/ES132L or current Oregon EMT license.

EMS271 8 credits

Paramedic Part I

The first of a four-term sequence in the paramedic education series. Covers advanced pathophysiology, patient assessment, airway and shock management, general pharmacology, respiratory emergencies, intravenous (IV) therapy, obstetrics, and pediatrics. Prerequisites: Current Oregon EMT, Oregon Advanced EMT, or Oregon EMT Intermediate license, ES105, EMS170, EMS171, MTH65, and WR121. Corequisites: EMS271L and EMS281. Course requires a written application prior to admission.

EMS271L 2 credits

Paramedic Lab Part I

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 utilizes both basic and advanced life support equipment to apply the concepts learned in EMS271. Also develops skills and abilities in managing emergency medical scenes, coordinating resources, and delegating tasks as appropriate. Corequisites: EMS271 and EMS281.

EMS272 8 credits

Paramedic Part II

Second course in the paramedic series. Covers the anatomy and electrophysiology of the heart, ECG and 12-lead interpretation, and the patho-physiology and pre-hospital management of cardiac disease, including the Advanced Cardiac Life Support Provider (ACLS) course. Reviews neonatal care and pediatrics covered in fall term, and includes the Pediatric Advanced Life Support (PALS) course. Also covers neurologic, psychiatric, and special needs patients. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license and completion of EMS271, EMS271L and EMS281 with a "C" or better grade. Corequisites: EMS272L and EMS282.

EMS272L 2 credits

Paramedic Lab Part II

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 EMS272. Also develops skills and abilities in managing emergency medical scenes, coordinating resources, and delegating tasks as appropriate. Corequisite: EMS272 and EMS282.

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.

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.

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 FSDAP clinical tracking system 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.

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 EMS281 with a "C" or better grade. Corequisites: EMS272 and EMS272L.

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.

EMS284 8 credits

Paramedic Clinical Practice IV

This is the field internship portion of the paramedic course. A minimum of 300 hours will be spent as a crew member on an advanced life support transporting ambulance. 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.

EMS299 Variable credit

Workshop: Emergency Medical Service Training

Provides inservice 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. The course will develop a student's ability to recognize and treat the symptoms of illness and injury in

the pre-hospital setting. Includes skills in patient assessment, basic airway management, trauma assessment and management, medication administration, and the use of automated external defibrillators (AED). Prerequisite: Course requires written application prior to admission. Corequisite: ES131L.

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. Prerequisite: Course requires written application prior to admission. Corequisite: ES131.

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.

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.

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.).

ENGLISH

Lower Division Transfer Courses

ENG104 4 credits

Introduction to Literature (Fiction)

Explores significant works of fiction and helps develop an appreciation and understanding of literature. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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).

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).

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).

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).

ENG109 4 credits

World Literature III

Introduces important works representing Enlightenment, romanticism in Europe and America, pre-modern Japan, 19th century realism, and 20th century literature in a global context. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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, and ENG203 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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).

ENG204 4 credits

Survey of English Literature I

Provides a historical survey of important works from the

literature of the British Isles and nations later colonized by Britain. Designed to foster thoughtful interpretation, analysis, and appreciation of literature. Focuses on English literature through the Middle Ages and Renaissance. ENG204, ENG205, and ENG206 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG205 4 credits

Survey of English Literature II

Provides a historical survey of important works from the literature of the British Isles and nations later colonized by Britain. Designed to foster thoughtful interpretation, analysis, and appreciation of literature. Focuses on Restoration and Romantic literature. ENG204, ENG205, and ENG206 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG206 4 credits

Survey of English Literature III

Provides a historical survey of important works from the literature of the British Isles and nations later colonized by Britain. Designed to foster thoughtful interpretation, analysis, and appreciation of literature. Focuses on Victorian and 20th century literature. ENG204, ENG205, and ENG206 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG244 4 credits

Asian American Literature

Introduces literature by Asian American writers and engages students in exploring Chinese culture spanning from pre-cultural revolution to American born Chinese living in America today. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG253 4 credits

Survey of American Literature I

Considers representative works from early colonial period to contemporary times; attention is given to the growth of literary forms, techniques, and characteristic themes. ENG253, ENG254, and ENG255 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG254 4 credits

Survey of American Literature II

Considers representative works from early colonial period to contemporary times; attention is given to the growth of literary forms, techniques, and characteristic themes. ENG253, ENG254, and ENG255 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG255 4 credits

Survey of American Literature III

Considers representative works from early colonial period to contemporary times; attention is given to the growth of literary forms, techniques, and characteristic themes. ENG253, ENG254, and ENG255 need not be taken in sequence. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENG257 4 credits

African American Literature

Introduces literature of 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).

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).

ENG261 4 credits

Literature of Science Fiction

Surveys important works of science fiction by writers from different cultures and time periods. Designed to foster thoughtful interpretation, analysis, and appreciation of fiction and science. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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).

ENG280 Variable credit

Cooperative Work Experience/English

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.

ENG299 Variable credit

Special Studies: English

Presents special studies in English through workshop, seminar, and independent study formats. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

ENVIRONMENTAL SCIENCE

Lower Division Transfer Courses

ENV111 3 credits

Introduction to Environmental Science

Introduces the uses of chemical, physical, and biological principles to explain the complexity and diversity found in environmental systems. Designed for both environmental science majors and non-majors, the course will explore a wide range of environmental topics including the conservation of matter and energy, the atmosphere, nutrient cycles, the hydrologic cycle, population dynamics, biodiversity, human impact on the environment, resource and waste management, and the role of economics and politics in sustainability. Prerequisites: MTH20 and BT113 or WR115 or designated placement test scores.

SC210 4 credits

Environmental Resources w/Lab

Discussions will include interdisciplinary research of environmental problems. Study is intended to foster environmental awareness, stimulate discussion, and encourage critical analysis of environmental problems. Field trips are an integral part of this lab science offering. Students must enroll in lecture and laboratory sections. Prerequisite: Any biology, chemistry, or geology sequence.

FILM ARTS

Lower Division Transfer Course

FA101 4 credits

Introduction to Motion Pictures

Considers cinematic art as a literary product; develops an appreciation and understanding of film as literary expression. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

FIRE SCIENCE

Career and Technical Courses

FRP99 Variable credit

Fire Science Outreach

Provides inservice and continuing education to study current issues and problems in the fire science field. Workshop subjects will vary.

FRP130 3 credits

Basic Wildland Firefighter

Covers basic fire behavior as it relates to forestry firefighting, personal and crew safety, use of tools and equipment, and fire suppression techniques. Meets National Wildfire Coordinating Group standards for S-130 Firefighter Training and S-190 Introduction to Wildland Fire Behavior.

FRP131 1 credit

Advanced Wildland Firefighter

Provides students with basic supervisory skills necessary to operate as squad bosses. Covers communications, recordkeeping, first aid, and basic fire investigation. Meets National Wildfire Coordinating Group standards for S-131. Prerequisite: FRP130.

FRP199 1-3 credits

Workshop: Fire Science

Includes a series of workshops on fire science operations to upgrade skills and explore new methods. Meets a variety of Oregon Department of Public Safety Standards and Training accredited topics.

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.

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 Wildfire 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. Corequisite: FRP251.

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.

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.

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.

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.

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.

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.

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.

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.

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 gasses. 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.

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 Pumper Operator. Prerequisites: FRP253.

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 Pumper Operator. Prerequisites: FRP253 and FRP258.

FRP261 1 credit **Hazardous Materials First Responder Operations**

Covers recognizing the presence of hazardous materials/weapons of mass destruction and initial actions for the first responder. Meets NFPA 472 – Responder to Hazardous Materials/Weapons of Mass Destruction Operations Level.

FRP262 3 credits **Fundamentals of Fire Prevention**

Presents the fundamentals of fire prevention including recognized standards, practices and procedures.

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.

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.

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.

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.

FRP274 3 credits **Firefighting Strategy and Tactics**

Studies fire ground tactics, procedures for developing pre-fire plans, and methods for effectively coping with fire emergency problems. Meets Oregon Department of Public Safety Standards and Training #35-14 Basic Strategy and Tactics. Corequisite: FRP261.

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. Corequisite: FRP251.

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.

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.

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.

FRP290 3 credits **Intermediate Wildland Fire Behavior**

Prepares the prospective fireline 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.

FOREIGN LANGUAGE

Lower Division Transfer Courses

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; WR121 or BT114 (may be taken concurrently). Courses must be taken in sequence.

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; WR121 or BT114 (may be taken concurrently). Courses must be taken in sequence.

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; WR121 or BT114 (may be taken concurrently). Courses must be taken in sequence.

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, successful completion of FR103 or equivalent French experience with instructor permission. 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, successful completion of FR103 or equivalent French experience with instructor permission. 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. 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, successful completion of FR103 or equivalent French experience with instructor permission. Courses must be taken in sequence.

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; WR121 or BT114 (may be taken concurrently). 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; WR121 or BT114 (may be taken concurrently). Courses must be taken in sequence.

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; WR121 or BT114 (may be taken concurrently). Courses must be taken in sequence.

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. Prerequisites: ITAL102 or permission of instructor; RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

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. Prerequisites: ITAL102 or permission of instructor; RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

ITAL113 1-3 credits

Italian Conversation III

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. Prerequisites: ITAL102 or permission of instructor; RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

ITP101 2 credits

Sign Language I

Introduces sign language and provides information on different communication systems and on deafness and its effects. Presents a basic sign language vocabulary of 500 signs as well as the use of finger spelling, facial expressions, and body language to convey meaning. Courses beyond this introductory level will expand vocabulary and fluency in sign language.

ITP102 2 credits

Sign Language II

Continues Sign Language I. Provides information on different communication systems and on deafness and its effects. Course expands the beginning vocabulary by 500 signs and increases signing fluency and accuracy.

ITP103 2 credits

Sign Language III

Increases conversational sign language skills beyond the Sign Language I and II classes, and increases awareness of deafness and jobs related to deafness. Students will be required to give weekly presentations, maintain a vocabulary notebook, and complete a special project.

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; BT114 or WR121 (may be taken concurrently). Courses must be taken in sequence.

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.

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.

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. Prerequisite: SPAN102 or permission of instructor; RD30 or designated placement test score; BT114 or WR121 (may be taken concurrently).

SPAN201 4 credits

Second Year Spanish I

Reinforces, synthesizes, and builds on the basic skills acquired in first-year Spanish in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. Students are required to communicate in Spanish. 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; WR121 or BT114 (may be taken concurrently); two years of high school Spanish, successful completion of SPAN103, or equivalent Spanish experience with instructor permission. Courses must be taken in sequence.

SPAN202 4 credits

Second Year Spanish II

Reinforces, synthesizes, and builds on the basic skills acquired in first-year Spanish in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. Students are required to communicate in Spanish. 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; WR121 or BT114 (may be taken concurrently); two years of high school Spanish, successful completion of SPAN103, or equivalent Spanish experience with instructor permission. Courses must be taken in sequence.

SPAN203 4 credits

Second Year Spanish III

Reinforces, synthesizes, and builds on the basic skills acquired in first-year Spanish in speaking, writing, reading, and aural comprehension. Special attention is given to developing cultural awareness. Students are required to communicate in Spanish. 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; WR121 or BT114 (may be taken concurrently); two years of high school Spanish, successful completion of SPAN103, or equivalent Spanish experience with instructor permission. Courses must be taken in sequence.

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 "furniture 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.

GS106 4 credits

Physical Science: Earth Science w/Lab

Introduces various branches of earth science. Includes basic terminology, fundamental processes, and respective interre-

lationships. 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.

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.

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.

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 Alvord 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.

GS170 3 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.

GS199 Variable credit

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 credit

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.

GEOGRAPHY

Lower Division Transfer Courses

GEOG100 3 credits

Introduction to Physical Geography

Builds an understanding of physical geography by examining the Earth's dimensions, energy balance, atmospheric charac-

teristics (air temperature, moisture, precipitation, circulation, weather patterns, climate types and climate change), internal structure (including plate tectonics, earthquakes and volcanoes), weathering and mass wasting processes, fresh water and hydrology, landforms made by various agents (running water, wind, waves, glaciers), global soils, and biogeographic processes. Prerequisite: BT113 or WR115 or designated placement test score.

GEOG110 3 credits

Introduction to Cultural and Human Geography

Surveys world patterns of culture, population, migration, language, religion, ethnicity, and political systems. Examines the geographies of human development including urban areas, agriculture, industry and services. Emphasizes the many facets of interactions between human culture and the natural world, with a focus on environmental sustainability. Prerequisite: BT113 or WR115 or designated placement test score.

GEOG120 3 credits

World Regional Geography

Examines the 11 regions of the world and their interconnections. Perspectives from physical, political, historical, economic, and cultural geography are used to characterize the individual regions and the ways in which they are knit together into a spatial framework. Prerequisite: BT113 or WR115 or designated placement test score.

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.

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.

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 environ-

ments, and the earth's history. Special emphasis is given to the geology of southern Oregon and various provinces of the in the Pacific Northwest when possible. Prerequisites: RD30 and WR30 or designated placement test scores; G101 and/or G102 recommended.

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.

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.

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.

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.

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. Particular 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 that have influenced the continuing development of the discipline. Prerequisites: ART116, GD120 and WR121.

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.

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 relationships 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.

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-purchase and publication design. Additional lab hours required. Prerequisites: GD220 and GD227.

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.

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 CS235w; GD230 (must be taken concurrently).

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 or GD260 and CS235wd.

GD260 4 credits

Web Graphics

Provides intermediate-level digital imaging training using Photoshop CC for designing websites. Students learn to create shared libraries of graphics, colors, and styles assets between Adobe® programs and generate assets and extract assets for the Web at different device resolutions. The use of Dreamweaver CC to extract style information and assets from Photoshop comps will be explored. Emphasis is on utilization of effective design principles and exploration of industry-appropriate production tools. Prerequisites: CS125dw, CS195, GD120 and GD160.

GD280 Variable credit

Cooperative Work Experience/Graphic Design

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 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.

HC120 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, financiers, 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.

HC1255 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.

HEALTH EDUCATION

Lower Division Transfer Courses

HE112 1 credit

Emergency First Aid

Studies theory and procedures for accident prevention and application of first aid in a variety of settings. Includes American Heart Association's Heartsaver Emergency first aid card (one-person CPR and AED) with successful completion of the course.

HE131 3 credits

Introduction to Exercise and Sport Science

Introduces students to the field of exercise and sport science (EXSS). Upon completion of this class, students should have a good understanding of the history, the need for, current topics in, and careers available in EXSS, as well as education/certification required for these careers. This course helps many students decide if an educational path in EXSS is something that they wish to pursue. Several guest speakers representing various careers/areas in EXSS will present their experiences to the class. Basic online research skills will also be covered to allow students to seek out accurate and reliable information about EXSS. Prerequisites: RD30 and WR30 or designated placement test scores; B1121 recommended.

HE199 Variable credit

Special Studies: Health

Presents special topics in health including, but not limited to, smoking cessation, stress management, heart and back health, emotional health, and wellness assessment. Prerequisites: RD30 and WR30 or designated placement test scores.

HE208 1 credit

HIV and Other Epidemics

Introduces students to the epidemiology of HIV/AIDS, hepa-

titis, tuberculosis, and sexually transmitted diseases. Students will examine treatment options, prevention strategies, legal and policy issues that impact infected individuals as well as the larger community. The course also explores the social, psychological, and ethical issues surrounding these diseases and their impact on present and future generations. Prerequisites: RD30 and WR30 or designated placement test scores.

HE250 3 credits

Personal Health

Examines personal and societal health topics including consumer health issues, major disease patterns, and the elements of good health, and relates them to daily life. Prerequisite: WR115.

HE252 3 credits

First Aid/CPR

Provides instruction in immediate and temporary care of various injuries and illnesses. Successful completion of the course leads to two certifications from the American Heart Association: AHA's Emergency First Aid card (with AED and CPR included) and the AHA Health Care Provider card. Prerequisite: WR30 or designated placement test score.

HE253 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.

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; B1121 recommended.

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.

HPE295 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. Prerequisite: RD30 and WR30 or designated placement test scores.

HISTORY

Lower Division Transfer Courses

HST104 4 credits

History of World Civilization I

Provides a survey of various aspects of civilization in regions around the world. In addition to discussion of western civilizations originating from the Near East and Europe, this course includes the civilizations of India, Africa, East Asia (China/Japan) Russia, Southeast Asia, and Latin America. Included in the reading and discussion are historical, cultural, religious, social, economic, and political developments in the various civilizations from pre-history to the Middle Ages. Fulfills cultural literacy requirements within the AAOT degree. Prerequisite: BT113 or WR115 or designated placement test score.

HST105 4 credits

History of World Civilization II

Provides a survey of various aspects of civilization in regions around the world. In addition to discussion of western civilizations originating from the Near East and Europe, this course includes the civilizations of India, Africa, East Asia (China/Japan) Russia, Southeast Asia, and Latin America. Included in the reading and discussion are historical, cultural, religious, social, economic, and political developments in the various civilizations from the French Revolution to the present. Fulfills cultural literacy requirements within the AAOT degree. Prerequisite: BT113 or WR115 or designated placement test score.

HST199 3 credits

Special Studies: History

Presents special topics of study in history through workshop, seminar, and independent study formats.

HST201 4 credits

History of the United States I

Surveys American history from the early native populations through Reconstruction after the Civil War. Presents a detailed coverage of influences -- political, social, ethnic, religious, cultural, technical, and geographical -- that have affected the history of the United States. Prerequisites: BT113 or WR115 or designated placement test score.

HST202 4 credits

History of the United States II

Surveys American history from the Progressive Era to the present. Presents a detailed coverage of influences -- political, social, ethnic, religious, cultural, technical, and geographical -- that have affected the history of the United States. Prerequisites: BT113 or WR115 or designated placement test score.

HST280 Variable credit

Cooperative Work Experience/History

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.

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.

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.

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).

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. Prerequisites: RD30 and WR30 or designated placement test scores.

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 DEVELOPMENT/ FAMILY SCIENCE

Lower Division Transfer Course

HDFS260 3 credits

Child Abuse and Neglect

Examines historical and contemporary perspectives on child maltreatment including neglect; physical, sexual, and emotional abuse; and ritualistic abuse of children. The course will also touch on various type of elder abuse. Students will study the psycho-social impact of maltreatment on victims and their families along with treatments available for survivors, abusers and their families. Students will be acquainted with the developmental, medical and legal aspects of the different types of abuse and will study the indicators of abuse, intervention, prevention, reporting criteria, and legal procedures. Prerequisite: BT113 or WR115 or designated placement test score. Corequisite: PSY202 or permission of instructor.

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.

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: HS100 and acceptance to the Human Services program.

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.

HS155 4 credits

Interviewing Theory and Techniques

Provides theory and practice in basic counseling skills. 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.

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.

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. Prerequisites: Acceptance to the Human Services program.

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. Prerequisites: HS100 or permission of instructor.

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. Prerequisites: HS155, PSY201 and PSY202.

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 CJ243 or SOC243.

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 (ACCB) in conjunction with the Association for Addiction Professionals (NAADAC). Prerequisites: HS155 and HS202 or consent of instructor.

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.

HS260 4 credits

Group Counseling

Provides students with the theory and skills of small 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 counter transference; self disclosure; working with a co-leader; and counselor supervision. Prerequisites: HS155, HS202, and HS210 or permission of instructor.

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.

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.

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.

HUMANITIES

Lower Division Transfer Courses

HUM101 4 credits

Introduction to Humanities I

Provides a survey of important achievements in a variety of disciplines: visual arts, music, literature, philosophy, theater, film, architecture, and criticism. Explores the nature of human thought and creativity as they emerged and manifested themselves in the pre-medieval world. Courses need not be taken in sequence. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

HUM102 4 credits

Introduction to Humanities II

Provides a survey of important achievements in a variety of disciplines: visual arts, music, literature, philosophy, theater, film, architecture, and criticism. Explores the nature of human thought and creativity as they emerged and manifested themselves in the pre-industrial era. Courses need not be taken in sequence. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

HUM103 4 credits

Introduction to Humanities III

Provides a survey of important achievements in a variety of disciplines: visual arts, music, literature, philosophy, theater, film, architecture, and criticism. Explores the nature of human thought and creativity as they emerged and manifested themselves in modern times. Courses need not be taken in sequence. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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: Eskimo/Inuit

Studies the art and culture of the Eskimo/Inuit of the Arctic area 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).

HUM216 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).

HUM217 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).

HUM218 4 credits

Native American Arts and Cultures: Nations of the Southwest

Studies the art and culture of the native peoples of the Southwest 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).

HUM219 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).

HUM280 Variable credit

Cooperative Work Experience/ Humanities

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 ethnocentrism. 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).

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).

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. Offered infrequently. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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. Offered infrequently. Prerequisite: J216.

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. Offered infrequently. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

J280 Variable credit

Cooperative Work Experience/ Journalism

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 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. Offered infrequently. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

LANDSCAPE TECHNOLOGY

Career and Technical Courses

LAT101 3 credits

General Horticulture

Provides students with an overview of the trades and basic horticultural skills that are involved in those trades. Includes horticultural terms related to the fundamentals of plant life and their effects on the environment. Problem-solving and decision-making skills will be emphasized as well as an integrated plant health approach to establishing and managing plantings. Prerequisites: RD30 and WR30 or designated placement test scores.

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

LAT109 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.

LAT110 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.

LAT111 3 credits

Plant Identification II

Classifies and identifies flowering trees, shrubs, perennials and annuals. Over 100 plant varieties are explored with a focus on 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.

LAT115 3 credits

Ecology of the Siskiyou

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.

LAT118 3 credits

Oregon Native Plants

Offers opportunity to learn about the use and production of native trees, shrubs, forbs, and grasses that are used in the landscape industry and as restoration material for various agencies that administer public lands. Students will identify common native plants of Oregon as well as understand their environmental requirements, adaptation, and use in landscapes. Requirements include Saturday field trips for hands-on field identification. Prerequisites: RD30 and WR30 or designated placement test scores.

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.

LAT122 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.

LAT130 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.

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.

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.

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.

LAT180 Variable Credit **Cooperative Work Experience/ Landscape Technician**

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 Library Research Methods**

Covers modern methods of introductory and advanced academic research. Topics include identifying an information need, understanding sources of information, developing an effective search strategy, accessing, analyzing and evaluating results, and using information effectively and ethically. Given the online nature of this course, research resources and communication with the instructor will take place through the Internet.

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. Prerequisites: MTH20 and RD30 or designated placement test scores.

MFG116 2 credits **Metrology**

Studies measurements by mechanical, electronic and optical methods related to industrial dimensional conformance requirements. Corequisite: MFG121 or equivalent.

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; MFG101 recommended.

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. Prerequisite: 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: MFG122 or approval of instructor.

MFG140 2 credits **CNC Controls**

Designed to develop an understanding of the Haas VF-0 CNC Control. Basic functions and operating modes of the Haas control are covered. Prerequisites: MTH60 and MFG121 recommended.

MFG199 Variable credit **Special Studies in Manufacturing**

Presents special studies in manufacturing through workshop, seminar, and independent study formats.

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 MFG255. Prerequisite: Second year standing in program. Corequisite: WR121.

MFG230 3 credits **Statistics and Quality Control**

Introduces ISO 9000 concepts of basic gauging, inspection, elementary statistics, and statistical process control. Prerequisite: MET104 or equivalent.

MFG241 4 credits **Computer Numerical Control Programming - Mill**

Covers basic computer numerical control (CNC) programming and machine set-up and operation. Emphasizes manual data input programming. Prerequisites: MTH60, MFG121; MFG122 and MFG123 are recommended.

MFG242 4 credits **Computer Aided Manufacturing I: Mastercam**

Studies computer numerical control (CNC) programming based on state-of-the-art computer aided manufacturing (CAM) software. Introduces and develops skills through a series of projects designed to teach program operation and CNC machining skills. Prerequisite: MFG241 or equivalent.

MFG243 4 credits **Computer Aided Manufacturing II: Mastercam**

Continues study in computer numerical control (CNC) programming and CNC machine set-up and operation. Emphasizes job planning, documentation, and integration of all prior education and training combining CNC software/hardware. Prerequisite: MFG242.

MFG244 3 credits **CNC Programming - Lathe**

Covers basic computer numerical control (CNC) programming, machine set-up, and operation on a CNC lathe. Emphasizes safety and manual programming. Prerequisites: MET104, MFG121; MFG122, MFG123 recommended.

MFG255 4 credits **Computer Integrated Manufacturing**

A capstone project class that emphasizes the design build team process as it applies to the production, documentation, and implementation of a prototype production run using multiple manufacturing processes. Students work together as a production team to build, document, and evaluate all phases of a prototype production run. Prerequisite: MFG220.

MFG262 3 credits

Lean Manufacturing

Develops an understanding as well as the limitations of lean manufacturing as it applies to manufacturing and business. Covers the basics of lean, TAKT time, value stream mapping, current and future state, KanBan systems, tracking and removing production wastes, running effective meetings, and team building. Prerequisites: MFG230; MTH60 (may be taken concurrently).

MFG280 Variable credit

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.

MT101 2 credits

Asian Bodywork I

Introduces fundamental methods and the philosophical background of traditional Chinese medicines, Acupressure and Shiatsu.

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.

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.

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.

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.

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.

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.

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.

MT110 2 credits

Polarity Therapy

Covers the theory of energy flows in the human body and techniques for balancing energy.

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.

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.

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.

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.

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.

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.

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.

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.

MT121 2 credits

Asian Bodywork II

Students will learn the fundamental methods and philosophical background of Jin Shin Jitsu, Ayurveda, and Touch 4 Health. Introduces different styles and techniques of acupressure and Ayurveda. Prerequisite: MT101.

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.

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.

MATHEMATICS

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. Prerequisites: 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 MTH20 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.

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. Prerequisites: 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. This course concludes the developmental mathematics sequence. Course is graded A through F. Course does not transfer. Prerequisites: MTH63 or MTH60 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 numeration systems. Prerequisite: MTH95. 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.

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 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.

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. Prerequisites: MTH95 or designated placement test score. A scientific calculator is required.

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.

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. Prerequisites: MTH95 or designated placement test score. A scientific calculator is required.

MTH243 4 credits

Probability and Statistics w/Lab

Descriptive statistics covering the nature and presentation of data, measures of central tendency, probability and probability distributions (normal and binomial), confidence intervals, sample sizes, and hypothesis testing. 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.

MTH244 4 credits **Inferential 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 problem. 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. Course is graded A through F. Dual numbered as BA282. Prerequisites: BA131, MTH243, and RD30; CS125ss recommended.

MTH251 5 credits **Calculus I (Differential) w/Lab**

Topics include limits, the derivative, and applications. Course is graded A through F. Prerequisites: MTH111 and MTH112 or designated placement test scores. A computer lab is required. A graphing calculator is also required (the TI-83, TI-84, TI-89 or TI-92 graphing calculators are recommended). There is a significant online component in this class.

MTH252 5 credits **Calculus II (Integral) w/Lab**

Topics include techniques of integration and applications and transcendental functions. Course is graded A through F. Prerequisites: MTH251 or consent of instructor. A computer lab is required. A graphing calculator is also required (the TI-83, TI-84, TI-89 or TI-92 graphing calculators are recommended). There is a significant online component in this class.

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. Prerequisites: MTH252 or consent of instructor. A computer lab is required. A graphing calculator is also required (the TI-83, TI-84, TI-89 or TI-92 graphing calculators are recommended). There is a significant online component in this class.

MTH254 5 credits **Vector Calculus w/Lab**

Topics include integration and differentiation of multivariable functions and vector calculus. Course is graded A through F. Prerequisites: MTH253 or consent of instructor. A computer lab is required. A graphing calculator is also required (the TI-83, TI-84, TI-89 or TI-92 graphing calculators are recommended). There is a significant online component in this class.

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 (the TI-83, TI-84, TI-89 or TI-92 graphing calculators are recommended).

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 (the TI-83, TI-84, TI-89 or TI-92 graphing calculators are recommended).

MTH280 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.

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 trigonometry, compound angles and numerical control.

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 drawing techniques which will be built upon with additional modules in the program. Dual numbered as WLD104. Prerequisite: MTH63 recommended.

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. Corequisites: MET101 and MET105 highly recommended.

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. Corequisites: MET101 and MET105 highly recommended.

MET113 3 credits **Computer Aided Drafting III: Mechanical (Autodesk Inventor)**

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, surfacing, 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.

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.

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. 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.

MET123 3 credits **Computer Aided Drafting III: Mechanical (SolidWorks)**

The third course in a three-term series, 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.

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.

MUSIC

Lower Division Transfer Courses

MUP100 1 credit

Applied Lessons

With advisor's approval, allows up to a maximum of 6 credits for private music lessons. Contact instructor before term begins for more information.

MUP102 1 credit

Concert Band

Offers applied study and performance of concert band literature. Course may be repeated for up to 6 total credits. Prerequisites: Students must provide their own instruments and be able to read music.

MUP105 1 credit

Jazz Ensemble

Offers applied study and performance of jazz band literature. Course may be repeated for up to 6 total credits. Prerequisites: Students must provide their own instruments and be able to read music.

MUP142 1 credit

Chamber Orchestra

Offers applied study and performance of chamber orchestra literature (Renaissance through Modern) in a small group atmosphere. Course may be repeated for up to 6 total credits. Prerequisites: Students must provide their own instruments and be able to read music.

MUP151 3 credits

Music Theater

Gives actors, singers, and dancers credit for participation in musical productions.

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.

MUS105 3 credits

Music Appreciation

Introduces the history and repertoire 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).

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).

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 (dictation) and sight-singing skills using diatonic melodies in major keys in simple meter. Introduces solfege 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.

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 and MUS111 or permission of the instructor; WR121 (may be taken concurrently).

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 and MUS112 or permission of the instructor; WR121 (may be taken concurrently).

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.

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.

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.

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 fingering 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).

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).

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 taken concurrently).

MUS207 3 credits

Songwriting

Studies examples of successful popular songs and the fundamentals of music theory and notation. Students will be asked to compose and record original songs. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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).

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: MUS113 or equivalent knowledge.

MUS212 4 credits

Music Theory and Aural Skills V

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: MUS211 or equivalent knowledge.

MUS213 4 credits

Music Theory and Aural Skills VI

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.

MUS220 1 credit

Chorus

Offers applied study and performance of choral music. 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.

MUS264 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).

MUS265 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).

MUS266 3 credits

History of Rock III: Heavy Metal to Hip-Hop

Provides an opportunity to explore the musical, social and cultural aspects of rock music from c.1975 through the present day. 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).

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 (except where noted)

NA101,NA101C 9 credits

Nursing Assistant

Meets Oregon State Board of Nursing requirements for students wanting to become nursing assistants at training level 1 (i.e., CNA-1). Students who successfully complete coursework will be able to apply to take the certification exam through the Oregon State Board of Nursing. Students will study patient care, nutrition, safety, legal/ethical issues, physical and mental disease processes, vital signs and infection control, emergency care, and interpersonal skills. Students will be placed in long-term care clinical sites in Josephine or Jackson County to practice their nursing assistant skills during the clinical course (NA101C). Clinical experience is graded on a pass/no pass basis. Prerequisites: MTH20, RD30, and WR115 or higher placement test scores and attendance at a nursing assistant orientation. Mandatory, following registration, is a criminal history background check; immunizations as listed at orientation; and current CPR Basic Life Support for Healthcare Provider card from American Heart Association or CPR/AED for the Professional Rescuer from American Red Cross. Course may not transfer.

NA110 1 credit

Scope of Practice and Safety Considerations

Covers the review and practice of safety concepts, nursing skills, and knowledge needed to care for individuals across the life span as previously learned in the program. This course is individualized for the re-entry student. The returning student is expected to demonstrate a level of preparedness that reflects independent review, study and groundwork. There will be individualized instruction, practice and evaluation of student performance of specific nursing skills in a laboratory setting. Course is graded on a pass/no pass basis. Prerequisite: Admission to the Practical Nursing or Nursing programs. Course may not transfer.

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 prerequisite/preparatory courses (46 credits minimum) and formal acceptance into the RCC AAS Nursing program. This is a limited-entry program.

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 NRS233 taken concurrently.

NRS112 6 credits

Foundations of Nursing in Acute Care I

Introduces the learner to assessment and common interventions (including relevant technical procedures) for care of patients across the lifespan who require acute care, including normal childbirth. Disease/illness trajectories and their translation into clinical practice guidelines and/or standard procedure

dures are considered in relation to their impact on providing culturally sensitive, client-centered care. Includes classroom and clinical learning experiences. Prerequisite: NRS110; NRS230 and NRS232 taken concurrently.

NRS115,NRS115C 6 credits **LPN Transition to OCNE**

Introduces the learner to the framework of the RCC and Oregon Consortium for Nursing Education (OCNE) curriculum including the OCNE competencies and benchmarks and the clinical judgment model. The student is introduced to the role and practice of the registered nurse. Concepts and applicability of the ANA Code of Ethics will be emphasized. Students will be introduced to evidenced-based care including levels of evidence. Concepts of health promotion, chronic care and acute care as applied to nursing practice will be explored. Case studies and concept-based learning activities will be used to provide students opportunities to demonstrate critical thinking in the provision of simulated patient care. Students will begin development of a portfolio they may adapt to fit the criteria for the OCNE partner nursing program to which they are admitted. The course will be delivered through a variety of methods, e.g. distance delivery (Internet), face to face classroom and simulation skills lab clinical. Clinical experience is graded on a pass/no pass basis. Prerequisites: NRS230, NRS232, and program director permission. This course is only for LPNs accepted into the advanced placement process.

NRS199C 4 credits

Special Studies: Surgical Nursing

Provides an introduction, basic training and clinical nursing experience in the operating room at Rogue Regional Medical Center during summer term following successful completion of the first year of the Nursing program. Enrollment is limited and registration requires program director approval. The course is consistent with AORN Standards, recommended practices, and guidelines. It is designed to provide information needed for the nurse to demonstrate basic skills of surgical nursing. Students allowed to enroll in NRS199C will be required to utilize 16 hours of each of their NRS221C and NRS222C clinical hours plus an additional eight hours during those courses for continuing surgical experiences. With satisfactory completion of the NRS199C and NRS221C and NRS222C clinical hours (including the surgery setting hours), and dependent on availability of clinical teaching associates (CTAs) and space, the students will be eligible to be placed in the RRMC operating room for clinical experiences during NRS224C. The course includes classroom, skills lab and clinical instruction in the operating room suite. Students will work with a CTA in the RRMC surgical suite. Course is graded on a pass/no pass basis. Prerequisites: NRS110, NRS111, NRS112, and program director permission. This optional course is not financial aid eligible.

NRS221,NRS221C 9 credits

Nursing in Chronic Illness II and End-of-Life

Builds on NRS111 Foundations of Nursing in Chronic Illness I. Chronic Illness II expands the student's knowledge related to family care giving, symptom management and end of life concepts. These concepts are a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self-determination, and autonomy are explored. Complex skills associated with the assessment and management of concurrent illnesses and conditions are developed within the context of patient and family preferences and needs. Skills related to enhancing communication and collaboration as a member of an interprofessional team and across health care systems are further explored. Exemplars include patients with chronic mental illness and addictions, as well as other chronic conditions and disabilities affecting functional status

and family relationships. Includes classroom and clinical learning experiences. Clinical experience is graded on a pass/no pass basis. Prerequisites: NRS110, NRS111, NRS112, NRS230, NRS231, NRS232 and NRS233.

NRS222,NRS222C 9 credits

Nursing in Acute Care II and End-of-Life

Builds on NRS112 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 for disorders with an acute trajectory. 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.

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.

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 information, understanding 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 pharmacological class using an organized framework. Prerequisites: BI234 and NRS110 or instructor permission.

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, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe

and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. The course addresses additional classes of drugs and related natural products not contained in Clinical Pharmacology I. Content for NRS231 focuses on drugs for diabetes, concepts of chemotherapy, drugs that act in the central nervous system, drugs that treat inflammation, antiviral drugs, antilipidemics, and diuretics. Prerequisite: NRS230.

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. Prerequisites: BI234 and NRS110.

NRS233 3 credits

Pathophysiological Processes II

This sequel to NRS232 Pathophysiological Processes I continues to explore pathophysiological processes that contribute to disease states across the lifespan and human responses to those processes. Students will learn to make selected 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.

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.

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 sets of answers. Prerequisites: RD30 or designated placement test score; WR121 (may be taken concurrently).

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).

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).

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.

PE185D 1 credit
Physical Conditioning/Weight Training
Creates an individual, flexible workout schedule with the benefits of a fitness activity for students who can initiate their own physical fitness programs. Incorporates fitness conditioning and weight lifting activities to accommodate each student's ability and need. Encompasses body composition evaluation and fitness assessments, stretching for flexibility, aerobic activities for improved cardiovascular endurance and circulation, and muscle endurance and strengthening.

PE185E 1 credit **Yoga**

Yoga offers an effective method for reducing stress and creating a relaxation response within the body and mind. Through a series of controlled exercises, stretching, and breathing techniques, this course will give students firsthand experience with the concepts and applications of being responsible for and improving health. 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 -- 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 on related 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 workout. 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.

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.

PE194 2 credits **Principles of Strength 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 Council on Exercise (ACE) text and manual are used to prepare students for the

nationally recognized ACE Personal Trainer certification. RCC is a national testing center for the American Council on Exercise allowing students easy access to the comprehensive exam. Students will receive both content knowledge through lecture and dialogue and practical experience in the weight room setting to understand the principles of strength training and fitness conditioning. Prerequisites: RD30 and WR30 or designated placement test scores; PE185D (may be taken concurrently); BI121 or BI231 recommended.

PE199 Variable credit **Special Studies: Physical Education**

Offers selected topics of study in physical education through workshop and field study format.

PE264 2 credits **Fitness Assessment and Exercise Prescription**

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, exercise prescription for the apparently healthy population. Special populations of physically challenged, pregnant, and postpartum women and mature adults will also be topics of discussion. The American Council on Exercise (ACE) text and manual will be used to prepare students for the option of pursuing the nationally recognized ACE Personal Trainer certification. RCC is a national testing center for the American Council on Exercise. Prerequisite: RD30 and WR30 or designated placement test scores and PE185D.

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 HE259 (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.

PE291 2 credits **Red 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 pro-

essional rescuer 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.

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.

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.

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.

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: MTH112. Corequisite: MTH251; MTH252 highly recommended.

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. Corequisite: MTH252; MTH253 highly recommended.

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. Corequisite: MTH253; MTH254 and MTH261 recommended.

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 investigation 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 other related systems (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.

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.

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: MTH65 or higher level math, 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 does not transfer.

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 perioperative, 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.

PN103,PN103C 12 credits

Practical Nursing III

Continues the application of the nursing process and practical nursing scope specific to foundations of oncology, hematology, immune disorders, HIV, reproduction, maternity, pediatrics, orthopedics, neurological and renal/urinary. In addition, nursing leadership and trends in practical nursing are considered. 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 life span. Nursing care provided by the student in clinical situations (PN103C) takes place primarily in long-term care settings with specialty experiences in the maternity and mental health units of local hospitals. Clinical is graded on a pass/no pass basis. Prerequisites: PSY101 or BT101, PN102, and PN102C. Course may not transfer.

PN104C 2 credits

Practical Nursing Leadership Clinical

Facilitates the transitional process from student practical nurse to beginning graduate practical nurse. By completing an individualized, concentrated clinical experience in the long-term care or other assigned setting, students will be able to focus on leadership skills demonstrating the ability to implement nursing actions that reinforce previous practical nursing didactic content within the organizing framework of the concepts of the individual, society, health and the nursing process. Nursing care provided by the student will take place primarily in the long-term care or other assigned setting, working with a clinical teaching associate (CTA). Clinical is graded on a pass/no pass basis. Prerequisites: Concurrent enrollment in PN103 and PN103C. Course may not transfer.

PSYCHOLOGY

Lower Division Transfer Courses

PSY101 3 credits

Psychology of Human Relations

Focuses on the practical application of psychology in every-

day 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

Provides an opportunity for students to deepen and broaden their knowledge of theoretical psychology while gaining insights into their own behaviors and the behavior of others. Consists of small and large group exercises and individual writing assignments, augmented by lecture. Prerequisite: BT113 or WR115 or designated placement test score.

PSY199 Variable credit

Special Studies: Psychology

Presents special topics of study in psychology through workshop, seminar, research, and/or independent study formats. Content varies according to department needs and demand.

PSY201 4 credits

General Psychology I

Provides students with the foundational knowledge required for further study in the field of psychology. It is designed to help students gain a historical perspective of the field of psychology; an understanding of the scientific method applied to human behavior, and knowledge of the physiology of human behavior including the brain functions, sensations and perception process. The course also explores states of consciousness, memory, learning theory, cognition, language and creativity, motivation, emotion and stress, and provides training in the application of study skills, critical thinking, and cross-cultural awareness. Prerequisite: BT113 or WR115 or designated placement test score.

PSY202 4 credits

General Psychology II

Continues the overview of the general psychology curriculum begun in PSY201 and prepares students for continued study in more advanced psychology classes. This course is designed to help students gain an understanding of human development including personality testing, personality development and intelligence; psychopathology and current methods of treating psychopathology; social psychology; and human sexuality and gender development. PSY202 also provides training in the application of study skills, critical thinking, and cross-cultural awareness. Prerequisites: BT113 or WR115 or designated placement test score; PSY201 recommended.

PSY215 4 credits

Life Span Human Development

Provides an overview of human development explored from a variety of perspectives. The primary objective is to examine biological, socio-cultural, and psychological factors that influence each stage of the life cycle, from conception until death. Exploration focuses on life tasks and societal expectations, physical and cognitive changes, and personality development across the lifespan. Both normative and non-normative pathways are considered. The course provides a bridge between biological science and social science and is an essential component for students entering the fields of nursing and human services. Prerequisite: PSY201; BT113 or WR115 or designated placement test score.

PSY219 4 credits

Introduction to Abnormal Psychology

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.

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.

PSY280 Variable credit

Cooperative Work Experience/ Psychology

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.

READING

Lower Division Transfer Courses (except where noted)

RD30 4 credits

College Reading

Improves reading and vocabulary skills by developing specific reading strategies and analytical skills, as well as by expanding basic background knowledge that will lead to proficiency in students' college coursework. Skills to be developed include comprehension, flexibility, critical thinking, graphic illustrations, and the use of library resources. Selections, which are excerpts from current college textbooks and a variety of sources, enable students to further develop the background knowledge and vocabulary necessary to effectively read college-level material. Also addresses work-related literacies such as creative and critical thinking, following written and oral instructions, collaboration, and communication skills. May include an individually prescribed reading plan in the reading lab. Course is graded on a pass/no pass basis. Course does not transfer. Prerequisite: Designated placement test score.

RD115 3 credits

Speed Reading for College

Teaches an effective speedreading 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 researching; 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.

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. May be offered in a distance learning format where students complete all work online and via email. Prerequisites: RD30 and WR30 or designated placement test scores.

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. May be offered in a distance learning format where students complete all work online and via email. Prerequisites: RD30 and WR30 or designated placement test scores.

RELIGION

Lower Division Transfer Courses

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).

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).

SKILLS TRAINING

Career and Technical Courses

EST101 Variable Credit

Employment Skills Training

Provides work-based learning and assessment in selected occupational environments. Prerequisites: MTH20, RD30 and

WR30 or designated placement test scores, and permission of advisor.

ST101 Variable credit Occupational Skills Training

Provides work-related study and learning in selected occupational environments. Prerequisites: MTH20, RD30, WR30 or designated placement test scores, and permission of faculty advisor.

ST109 1 credit Skills Training Seminar

Provides students with opportunities to learn strategies for workplace success and career advancement. Topics related to experiential learning are addressed, including: techniques for self-monitoring and tracking progress, sustaining positive relationships with co-workers and supervisors, working with mentors, and handling workplace conflict. Presents information regarding the role played by non-verbal communication, written and unwritten workplace policies, and positive work ethics. Prerequisites: RD30 and WR30 or designated placement test scores and permission of instructor.

ST199 Variable credit Workshop

Provides skills training on a variety of topics. Prerequisite: Permission of faculty advisor.

ST201 Variable credit Occupational Skills Training

Provides work-related study and learning in selected occupational environments. Prerequisite: Permission of faculty advisor.

SOCIOLOGY

Lower Division Transfer Courses

SOC199 Variable credit Special Studies: Sociology

Presents special topics of study in sociology through workshop, seminar, research, and/or independent study formats. Content varies according to department needs and demand.

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

The second of a two-part sequence in introductory sociology. The course examines various social institutions such as family, education, religion, politics and economics and how these institutions are organized and stratified by social class, gender and race. Social change and social movements are also examined. Focus is primarily on U.S. and Western societies, with some cross-cultural comparisons. 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.

SOC213 4 credits Race and Ethnicity in America

Examines the socio-historical aspects of 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 and communities, education, employment and immigration patterns, and racial and ethnic interactions. A focus is on the intersection of race, gender and social class and on social movements to end inequalities. Fulfills cultural literacy requirement within the AAOT degree. 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, social class and sexual 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.

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.

SOC228 4 credits Environment and Society

Examines the relationship between society and the environment including how cultural, social, economic, and political forces have impacted the earth and natural environment, and how humans have adapted to natural environments. Explores the causes and consequences of topics such as population, consumerism, development, pollution and environmental racism. An emphasis will be placed on the study of social movements, cultures, and public policies that advance sustainability. Prerequisite: BT113 or WR115 or designated placement test score.

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.

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 Mexicans' 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.

SOC237 4 credits Computer-mediated Communication

Introduces students to social perspective and focuses on the implications of computer-mediated communication. Current themes and theories are introduced and applied. Readings, discussions and assignments will focus on the use of technology to communicate in today's world. The nature and impact of a variety of topics will be explored, including but not limited to, social interactions, the workplace, Web-based instruction, impression management, therapy and online health care. Within the topics, the focus is on concepts such as ethics, confidentiality, accessibility, relationships, validity of information, and global implications. Prerequisites: BT113 or WR115 or designated placement test score; PSY101 or BT101 recommended.

SOC243 4 credits Drugs, Crime and Addiction

Introduce 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 CJ243. Prerequisites: RD30; BT113 or WR115 or designated placement test score; SP111 and WR121 recommended.

SOC244 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. The influence of crime theory on public policy will be explored. Dual numbered as CJ101. Prerequisites: RD30; BT113 or WR115 or designated placement test score.

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.

SPEECH

Lower Division Transfer Courses

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.

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

Improvitational Theater I

Acquaints students with improvisation through exercises, theater games, and impromptu scenes.

TA145 4 credits

Improvitational Theater II

Acquaints students with improvisation through exercises, theater games, and impromptu scenes. Instructor permission is needed to register.

TA146 4 credits

Improvitational 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.

TA164 4 credits

Writing for Theater I

Introduces the craft of the playwright. Students will maintain playwright journals and engage in workshop-styled writing exercises. Some improvisational techniques for material generation may be incorporated. Dramatic structure, creating theater events, and the elements of space, place, character, and action will be addressed. Prerequisite: WR115 (may be taken concurrently) or permission of instructor.

TA165 4 credits

Writing for Theater II

Introduces the craft of the playwright. Students will maintain playwright journals and engage in workshop-styled writing exercises. Some improvisational techniques for material generation may be incorporated. Dramatic structure, creating theater events, and the elements of space, place, character, and action will be addressed. Prerequisite: WR115 (may be taken concurrently) or permission of instructor.

TA166 4 credits

Writing for Theater III

Introduces the craft of the playwright. Students will maintain playwright journals and engage in workshop-styled writing exercises. Some improvisational techniques for material generation may be incorporated. Dramatic structure, creating theater events, and the elements of space, place, character, and action will be addressed. Prerequisite: WR115 (may be taken concurrently) or permission of instructor.

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, costuming 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 placement test scores. Students must also pass the Department of Transportation (DOT) physical and drug screen and reach their 18th birthday before the first day of class.

TD103 4 credits

Introduction to Commercial Truck Driver Training (Class B License)

Provides an overview of the transportation industry and the practical knowledge and skills necessary to successfully pass the Oregon DMV General Knowledge and Combination Vehicle tests for a Class B license. Prerequisites: RD30 and WR30 or designated placement test scores.

TD110 3 credits

Commercial Truck Driver Training Advanced Topics

Provides students with the knowledge and skills necessary to successfully pass Oregon Department of Motor Vehicles endorsement tests including air brakes, doubles/triples, tanker, and hazardous materials. Students will also become familiar with commercial vehicle basics, which include driver qualifications, driver health, hours of service, and whistle blower protection as required by the Federal Motor Carriers Safety Administration (FMCSA). Additionally, students will be introduced to hours of service regulations; atlas (map) reading; log book notations; tractor/trailer systems; double clutch shifting procedures; coupling/uncoupling; tire chaining; pre-trip, in-trip and post-trip inspections; defensive driving techniques; driver nutrition; load management and proper securing methods; and accident reporting. Prerequisites: TD101 or current Oregon Class A commercial driver's license permit; current Department of Transportation (DOT) medical card; recent (less than 30 days old) negative DOT drug screen; and completed and accepted course application. Students must be 18 years old prior to the first day of class.

TD120 7 credits

Commercial Truck Driver Training Practical Applications

Provides students with the practical knowledge and skills necessary to successfully pass the Oregon Department of Motor Vehicles (DMV) Commercial Motor Vehicle (CMV) Class A license skills test (pre-trip inspection, brakes leak test, straight and 90 degree backing, and road test). Students

will also safely demonstrate competency in all tractor/trailer maneuvers including coupling/uncoupling; throttle control; braking systems; backing maneuvers; right and left hand turns; proper shifting techniques; space management; proper use of mirrors; hazards perception; rural, metro, highway, mountain and night driving; and OSHA forklift safety. Prerequisites: TD101, TD110.

WELDING

Career and Technical Courses

WLD101 3 credits **Welding Fundamentals I**

Introduces basic theory of oxy/fuel cutting/welding, shielded metal arc welding, and gas metal arc welding with emphasis on safety. Includes basic skill development in preparation of metal, welding, and cutting

WLD102 3 credits **Welding Fundamentals II**

Continues study in oxy/fuel cutting/welding, shielded metal arc welding, and gas metal arc welding with emphasis on safety.

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.

WLD111 6 credits **Technology of Industrial Welding I**

Covers the fundamentals of welding as required by the metal fabrication industry. Provides extensive hands-on training in shielded metal arc welding (SMAW), oxygen/acetylene, and plasma cutting of ferrous metals. Also develops skills needed for American Welding Society-based (AWS) certifications and employment in the welding/fabrication industry.

WLD111D 6 credits **Technology for 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.

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 shielded metal arc welding (SMAW) in the vertical and overhead positions. Students will also be introduced to gas metal arc welding (GMAW) processes on mild steel. Fitting joints to AWS D1.1 specifications will also be introduced at this time. Prerequisite: WLD111 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. OR-OSHA-based safety training and non-ferrous alloy identification complete the course. Prerequisite: WLD111 and WLD112 or permission of instructor.

WLD121 5 credits **Fabrication and Repair Practices I**

Deals with the fundamentals of welding fabrication and repair practices. Basic procedures of planning, sketching, cost evaluation, ordering, layout, metal preparation, part fabrication, tack-up, and final welding will be introduced and applied. Also introduces basic machine shop practices. Prerequisites: WLD111 and MET101; WLD140 (may be taken concurrently).

WLD122 5 credits **Fabrication and Repair Practices II**

The second of two fabrication and repair courses, builds on skills developed in WLD121 and provides an overview of the various fabrication and repair practices used in the steel fabrication industry. Safety in welding and fabrication is emphasized. The course is based on 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. Advanced shop math, distortion control, and how to use squares, protractors, levels, clamps and string lines used in the fit-up process are included. Prerequisites: WLD111 and MET101.

WLD160 1 credit **AWS Certification Seminar: Plate**

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 Unlimited Tests. If passed successfully, students will be awarded the AWS Unlimited G3 and G4 welding certification. Prerequisites: WLD 112 with "C" or better, completion of all program prerequisites, or instructor approval.

WLD211 6 credits **Technology of Industrial Welding IV**

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. Includes flux cored and solid wire with machine and spool guns. Also advances skills needed for American Welding Society certification and employment in the welding/fabrication industry. Prerequisite: WLD111, WLD112, and WLD113 or permission of instructor.

WLD212 6 credits **Technology of Industrial Welding V**

Covers advanced techniques in welding mild steel, stainless steel, aluminum, and exotic metals using the gas tungsten arc welding (GTAW) process. Also advances skills needed for American Welding Society certification and employment in the welding/fabrication industry. Prerequisite: WLD111, WLD112, WLD113, and WLD211 or permission of instructor.

WLD213 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 (band saws, shears, drill presses, etc.) will round out the students' ability to function independently in the shop setting. Prerequisites: MTH60, BT114 or WR121, and WLD113.

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.

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 the field. Students will develop an understanding of basic metal production, alloying, heat treating and material identification systems. Prerequisites: MTH60 and WLD113.

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.

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.

WLD280 Variable credit

Cooperative Work Experience/Welding

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.

WORKFORCE TRAINING

.412 0 credits

Adult Driver Education

Offers four 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.

.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 beginner'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, Spanish, Japanese, Russian, and German.

.652 0 credits

Student Success Strategies

Assists students in adjusting to school and improving their abilities to study and learn. Emphasizes skills, attitudes, and behaviors that characterize successful students. Reviews instructional and federal financial aid policies and stress and time management strategies, as well as methods for academic goal setting will be explored.

.658 0 credits

Parenting/Family/Life

Explores strategies for building healthy family relationships. Applies understanding of time use, priorities, standards and expectations in household management.

.659 0 credits

Retirement, Investing and Financial Planning

Students will learn investment basics so they will have the information needed to make good financial decisions in order to achieve their goals. Learn key features of bonds, stocks, and mutual funds, steps you can take to prepare for retirement, how insurance can help protect against unexpected life events, and the basics of estate planning.

.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, facilitation, networking, resource development, community assessment and coordination, as well as project planning.

.668 0 credits

Communication Skills

Improves basic communication skills and emphasizes practical solutions to common problems students may encounter. Emphasizes practical solutions to common problems students may encounter.

.669 0 credits

Understanding Diversity

Encourages an understanding of the feelings and aspirations of various segments of American society, and assists in seeking more effective communication with minority groups.

.671 0 credits

Tools to Manage Stress and Anxiety

A well-rounded and practical presentation of tools to prevent distress. Methods to reduce stress and increase effectiveness will be presented as well as general information regarding the psychology and physiological effects of stress. Practical strategies for reducing math and text anxiety will also be presented.

.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.

.776 0 credits

Career Development

Surveys techniques for marketing individual occupational skills. Includes preparing for the job search process, preparing and writing a resume, preparing for an interview, and what characteristics employers want in employees.

.779 0 credits

Volunteer Training

Explores the skills needed for helping others as community volunteers.

.783 0 credits

Group Development

Examines techniques for working effectively in groups with emphasis on communication skills, interpersonal relationships, and group discussions. Provides students with a forum to discuss the challenges of balancing relationships, school, and work.

.794 0 credits

Home Buying

Learn about the basics of choosing and qualifying for a new home. Covers mortgages, closing costs, and insurance.

.850 0 credits

Physical Fitness/Health

Provides physical fitness classes and various consumer health topics that encourage and promote a healthier lifestyle.

.852 0 credits

First Aid/CPR

Provides training and practice in first aid and CPR techniques.

.853 0 credits

Nutrition

Focuses on good nutrition habits for individuals and families.

.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.

.905 0 credits

Basic Boating Skills and Safety

Covers the basic skills needed to become a safe boater. Meets the basic state requirements determined by the Oregon Marine Board and Oregon Coast Guard Auxiliary for Oregon boaters.

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.

9.009 5 continuing education units

Foundations of Traffic Safety Update

Provides participants with the mandated curriculum content required by Oregon Administrative Rules for teaching traffic safety education courses.

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.

9.018 3 continuing education units

21st Century Workplace: Work Ethics for a Changing World

Designed to help employees identify good work ethics that will increase their value to employers.

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 excavation 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.

**9.081 6.6 continuing education units
Computer Aided Drafting: Two-dimensional Fundamentals (Autocad)**
Introduces the aspects of computer aided design and drafting (CADD) in two-dimensional applications. Covers the AutoCAD software system in a pedagogical fashion from constructing basic shapes to making multi-view drawings.

9.082 6.6 continuing education units Computer Aided Drafting I: Architectural

Introduces the concepts of computer aided drafting and design for architectural and manufacturing projects. Provides experience with the operating system and command codes including drawing and editing commands, symbol libraries, and scaled plotting using a variety of AutoCAD software including Inventor and Architectural Desktop.

9.088 4.8 continuing education units Computer Aided Drafting: Advanced Solid Works

Covers the building of freeform shapes, use of assembly modeling capabilities, and/or the building of sheet metal parts using Solid Works mechanical design automation software. Course is designed around a process- or task-based approach to training. Prerequisites: Mechanical/industrial design experience and familiarity with the Microsoft Windows operating system.

9.101 1.6 continuing education units Value Stream Mapping Workshop

Introduces the use of value stream mapping principles to create a hand-drawn pictorial scheme or graphical view of a product from a fictitious company. A lab component provides hands-on

field exercises performing observations, gathering data, collecting process time cycles, flow balancing operations, and time-taking calculations.

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's (RETs) level license.

9.139 1.6 continuing education units Code Update

Provides updates on code changes and requirements for plumbers, electricians, millwrights, and heating/air conditioning servicers/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 manner 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

Covers 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.

9.255 .3 continuing education units Franchising

Teaches current and potential business owners how to evaluate a franchise. Key steps in the evaluation process will be outlined.

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

Enables 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: 9.262.

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

Meets state regulations for becoming an adult care provider. Course covers the rules and regulations needed for becoming an adult foster care provider. 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.

9.416 6.4 continuing education units CNA 2 - Acute Care

Course curriculum is mandated and approved by the Oregon State Board of Nursing and is directed at students seeking advancement from CNA 1 to CNA 2 - Acute Care. The skills lab portion provides an opportunity for students to learn, practice, and demonstrate CNA 2 - Acute Care skills. Clinical practicum is held in an acute care (hospital) setting. Upon completion, successful students will be prepared to enter the acute care workforce to assist licensed nursing personnel in the provision of nursing care. Prerequisites: Students must hold a current, unencumbered Oregon CNA 1 certificate and be listed by name on the Oregon State Board of Nursing (OSBN) CNA 1 Registry. In addition, a criminal history background check, immunizations, and certain first aid certifications are required. A CNA 2 orientation is required prior to the first day of the course.

9.417 6.4 continuing education credits CNA 2 - Dementia Care

Course curriculum is mandated and approved by the Oregon State Board of Nursing and is directed to students seeking advancement from CNA 1 to CNA 2 - Dementia Care. The skills lab portion provides an opportunity for students to learn, practice, and demonstrate CNA 2 core and dementia care skills. Clinical practicum is held in a long-term care setting, memory care, or Alzheimer unit. Upon completion, successful students will be prepared to enter the dementia care workforce to assist licensed nursing personnel in the provision of nursing care. Prerequisites: Students must hold a current, unencumbered Oregon CNA 1 certificate and be listed by name on the OSBN CNA 1 Registry. An orientation is also required prior to the first day of the course.

9.419 .8 continuing education units EMT Continuing Education/Refresher

Provides advanced EMT continuing education and refresher material based on individual student need. May review critical core curriculum for certified EMT - Intermediates or EMT - Paramedics, or provide remediation for EMTs attempting to pass Oregon or national written and practical certifying exams.

9.420 variable continuing education units EMT: Special Topics

Provides training in topics pertinent to working in emergency

medical services, health, or human services career fields. May require specific prerequisites.

9.421 6.4 continuing education units Medication Aide Training

Teaches students the role and responsibilities of medication aides. Students will learn the legal and ethical aspects of administering medications, the different forms of medications, preparation of medications, and the recording and observation of medication administration. Students will also learn to read a prescription and mathematically calculate the correct drug dosages for administration. Prerequisite: Students must hold a current, unencumbered Oregon CNA certificate.

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.

9.428 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.

tion 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 Medic 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 BLS/CPR for Healthcare Providers

Provides Basic Life Support (BLS) healthcare provider training for healthcare professionals to perform CPR as well as other lifesaving skills. The Healthcare Provider (HCP) card is good for two years.

9.439 .3 continuing education units BLS/CPR for Healthcare Providers - Recertification

For current BLS Healthcare Provider card holders who would like to recertify. Provides healthcare professionals training to perform CPR as well as other lifesaving skills.

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 pit 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.

9.466A 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 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.

9.467 4.4 continuing education units Dental Radiology

Prepares students for two Dental Assistant National Board (DANB) exams: the 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, maintain aseptic conditions, perform 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 require-

ments). 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; occupation safety; legal issues; prevention and management of emergencies; and office management procedures.

9.490 3.6 continuing education units Activity Director Training for Residential Care Facilities

Teaches necessary skills needed to acquire state certification as an activity director within a care facility. Addresses the responsibilities for documentation, activity coordination, staffing, resident's rights, understanding of physical and behavioral changes associated with aging, communicating and motivating residents, and ethics in the workplace.

9.495 2 continuing education units Science of Addiction and Recovery

Covers a variety of topics about the science of addiction and recovery. Topics are focused on the scope of the problem, the dynamics, and the social and legal issues involved with drug and alcohol addiction. This seminar series is designed for professional development of those working in addiction and recovery services, and to increase understanding of individuals in other organizations who deal with addiction- and recovery-related issues.

9.501 .8 continuing education units Leadership for Small Business Owners and Managers

Introduces high-impact leadership for small business owners and managers. Reintroduces 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. Prerequisites: 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, work-

ing 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, personal 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.

9.524 .4 continuing education units Supervisory Alcohol and Drug Awareness

Covers topics related to creating and managing a drug free workplace. Topics include drug free workplace compliance, workplace drug testing, reasonable suspicion, drug and alcohol provisions of the Family and Medical Leave Act (FMLA) and steps to creating a drug free workplace.

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

Introduces a systematic means of planning, tracking, staffing, and directing resources toward the successful completion of short-term or one-time goals. Prerequisite: Employment in a manufacturing field with responsibility for management and project planning.

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 Bidding and Estimating Your Bottom Line

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.

9.600 2 continuing education units World Class Manufacturing

Delivers practical information about lean manufacturing techniques to participants during a series of workshops designed for business owners, managers, supervisors, team leaders, production line personnel, and engineers who are thinking about implementing lean concepts.

9.603 .8 continuing education units Lean Manufacturing: Improve Productivity and the Bottom Line

Learn about the tools and techniques to reduce set-up times, reduce WIP, improve space utilization, and create manufacturing cells. Learn how to calculate value added ratio of your company and compare it to the best. This workshop is a partnership with the Oregon Manufacturing Extension Partnership (OMEPE).

9.604 .8 continuing education units Demand Flow Technology

Includes manufacturing strategy, tools, and methods (basic building blocks), materials (Kanban), demand based management, and continuous process improvement. A hands-on exercise will help illustrate the concept of demand flow technology (DFT). Prerequisites: Experience and/or employment in the manufacturing sector. Provides the theory, technology, and implementation of demand flow in a manufacturing organization.

9.605 2.4 continuing education units Lean Philosophy

Students will be introduced to lean thinking models grounded and immersed in the cultural and philosophical ideals learned and promoted in the Toyota Production System (TPS).

9.606 3.2 continuing education units Lean Tools I

Presents core or foundational tools that prepare lean practitioners to identify waste, value streams, current process levels and modality, and potential process changes contributing to improved value streams, employee morale, increased profits, reduction in inventory levels, and process development and control. Students will participate in and construct simulation situations that enlighten the value of the tools presented in respect to intended process outcomes.

9.607 3.2 continuing education units Lean Tools II

Consists of the following tools: Waste Eyes I and II, Value Stream Mapping I, II, and III, Simulation Training, and Standard Work. These fundamental baseline tools are designed to identify waste, evaluate value and non-value in any process, and make preparations for creating standardized work procedures.

9.608 2.4 continuing education units Lean Tools III

Consists of four modules: lean materials, supply chain management, total productive maintenance (TPM) and single minute exchange of dies (SMED). Prepares lean practitioners to evaluate inventory and information sharing systems in order to eliminate or minimize variability in the down line and extended value chain. Practitioners will also evaluate maintenance and production changeover practices to maximize plant and equipment effectiveness while increasing throughput capacity and flexibility, and reducing inventory and work in process levels.

9.609 3.6 continuing education units Lean Tools IV

Train the Trainer Levels I and II and Kaizen Event Levels I and II are the beginning levels for lean practitioners to begin practicing the tools and techniques learned in the lean philosophy series: Lean Tools I, Lean Tools II and Lean Tools III. The tools presented in this course prepare practitioners to teach others about lean principles as well as conduct a learning process evaluation and development event (Kaizen).

9.610 3.2 continuing education units Lean Tools V

The six tools provided in this series are designed to instruct lean practitioners to look more deeply into the lean processes from a data-driven perspective. Practitioners will be shown the metrics and capabilities of the tools and evaluate how decisions can be made, validated, and processed toward the ultimate goal of continuous process improvement.

9.612 3.2 continuing education units Programmable Logic Controls

Provides the maintenance technician with the theory behind PLC programming and operation and practical operation and diagnostic techniques via hands-on training using Amatrol PLC trainers. Includes an introduction to programmable controllers, numbering system and codes, the central processing unit, program and peripheral development, and program languages. Covers installation, start-up and maintenance, selecting the right PLC, insights to application, and programming the controller. Prerequisite: Experience and/or employment in an occupation involving programmable logic controls.

9.615 6 continuing education units Blueprint Reading for Dimensional Inspection

Covers the skills necessary to properly read and use engineering design blueprints (drawings) to correctly configure design, programming, machining, and quality inspection requirements. Emphasis will be placed on the fundamentals of geometric dimensioning and tolerancing (GD and T) and the ramifications of over tolerancing in machine operations, tooling, and inspection. Prerequisites: Employment in a manufacturing setting expected to perform close tolerance machining.

9.616 2.1 continuing education unit Mechanical Blueprint Reading

Introduces participants to the basics of blueprint reading for those employed in manufacturing. Designed for individuals who have little or no knowledge of blueprints or those who want to improve their blueprint reading skills. Focuses on conforming all drawings to current industrial practices and the latest standards established by the American National Standards Institute (ANSI). Includes demonstrations, handouts and working classroom exercises. Prerequisite: Experience and/or employment in the manufacturing sector.

9.617 3.6 continuing education units Computer Numerical Control (CNC) Basic Programming and Operation

Contains the basic elements and concepts of computer numerical control programming and operation. This class is designed for those wanting to learn CNC programming for the machining trades. Prerequisite: Experience and/or employment in an occupation involving computer numerical control (CNC) programming.

9.618 6.4 continuing education units SolidWorks Essentials

Covers how to use SolidWorks mechanical design automation software to build parametric models of parts and assemblies, and how to make drawings of those parts and assemblies.

9.625 3 continuing education units Hydraulics-Fluid Power

Provides students with hands-on instruction in the area of fluid power. Includes pressure-reducing valves, sequence valves, restrictor type flow control valves, deceleration valves, and counterbalance valves. Lecture will be complimented with hands-on experiments on hydraulic trainers. Prerequisite: Industry experience with hydraulics or instructor approval.

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.

9.634 2.4 continuing education units Microsoft Access for Manufacturers

Introduces data base design, implementation of the design, maintenance, and advanced data base concepts. Also explores the use of macros and data base programming using Access. Prerequisites: Experience and/or employment in an occupation involving use of Access in a manufacturing setting.

9.702 1.2 continuing education units Enhanced Keyboarding Skills

Enables students to increase typing speed and accuracy 10-30 percent over existing levels through instructor lecture and lab practice. Prerequisite: Understanding of the word processor and/or employment in a firm that requires enhanced typing speed and accuracy for successful employment.

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 learning 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, more 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 licensure 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 own-

ers 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.

9.831 1.5 continuing education units Biomass Energy Processes

Covers theoretical concepts and practical applications of methods for meeting long-term energy needs in southern Oregon through use of biomass to produce energy and environmentally friendly by-products.

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.

9.903 4.5 continuing education units Training for Hospitality Industry Personnel

Offered in partnership with the American Hotel and Lodging Association Educational Institute (AH&LA), who grade the final test and issue certification. Upon completion of the course, students will be AH&LA certified in a given topic, which will facilitate career advancement in the hospitality industry.

9.907 12 continuing education units Early Childhood Basic Training

Provides an overview of child development and early childhood education designed for working with children from birth through eight years of age and their families. The focus is on studying and observing the physical, cognitive, language, emotional, and social aspects of the individual during this period. This course includes all required CDA training subject areas. Upon completion of all training hours, the course is equivalent to ECE125, ECE126, ECE135, and ECE136.

WRITING

Lower Division Transfer Courses (except where noted)

WR20 4 credits

Fundamentals of Composition I

Reviews standard written English skills. In addition to vocabulary building in the context of reading assignments, attention

is given to helping students understand the relationship of reading and writing processes as a means to organize and relate their own thoughts in clear, effective paragraphs. Course is graded on a pass/no pass basis. Prerequisite: WR10 or designated placement test score. Course does not transfer.

WR30 4 credits

Fundamentals of Composition II

Introduces the basic five-paragraph essay format in addition to continuing instruction and practice in sentence skills and paragraph development. Critical thinking is emphasized with the integration of reading into the curriculum. This course prepares students for transfer-level courses. Course is graded on a pass/no pass basis. Prerequisite: WR20 or 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 CS125ww and 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).

Governance and Foundation

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HR and employee benefits coordinator, Human Resources; B.S., Human Communication, Southern Oregon University, 2010

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circulation services coordinator, Library; A.G.S., Two-Dimensional Art, Rogue Community College, 1985

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instructor/department chair, Business Technology; A.A.S., Business Administration, Allen County Community College, 1977; B.A., Business Administration, Tarkio (Missouri) College, 1978; M.B.A., Oral Roberts University, 1980; postgraduate work, Health Care Administration, Wichita State University, 1983-84; Ph.D., Organization and Management, Capella University, 2007

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lead accounting specialist III, accounts payable, Budget and Financial Services; Office Assistant certificate, Rogue Community College, 1999; A.A., Office Technology, RCC, 2000

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director of marketing and recruitment; B.A., English, Portland State University, 1980; Master of Fine Arts, Theater/Playwriting, Southern Illinois University, 1987

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health professional education coordinator, Allied Health; BA, Sociology, Emory University, 2000; MPH, Public Health, Boston University, 2003

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Richard Charles Williams,

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Emeriti

The Rogue Community College Board of Education awards the honor of emeritus status to long-term RCC instructional staff to recognize their service to the college. The criteria are at least 15 years of continuous full-time meritorious service, recommendation by the appropriate dean or deans, and recommendation of the president followed by approval of the board. Many faculty with emeritus status continue to teach part-time at Rogue.

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

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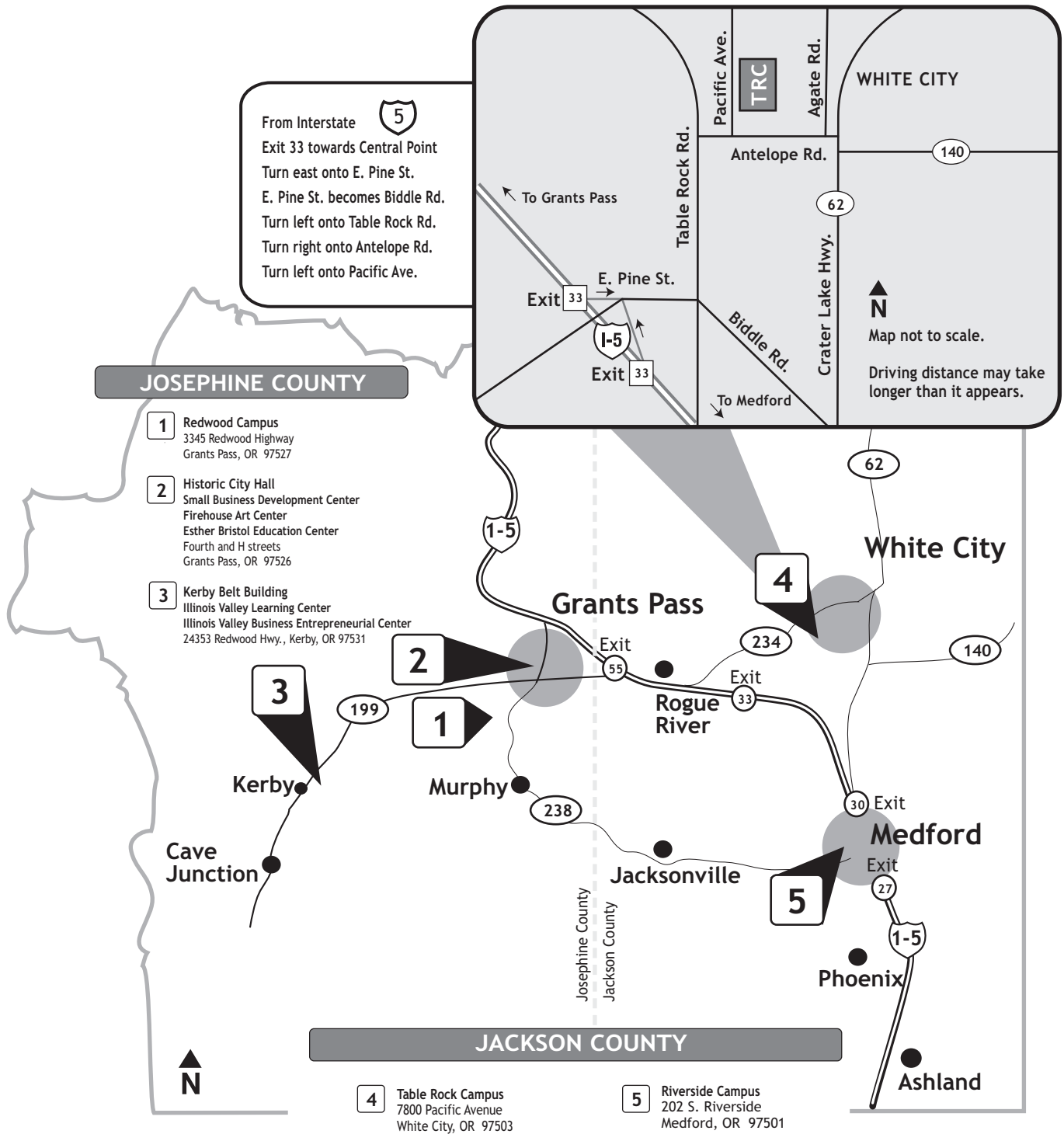
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541-956-7500

From Interstate 

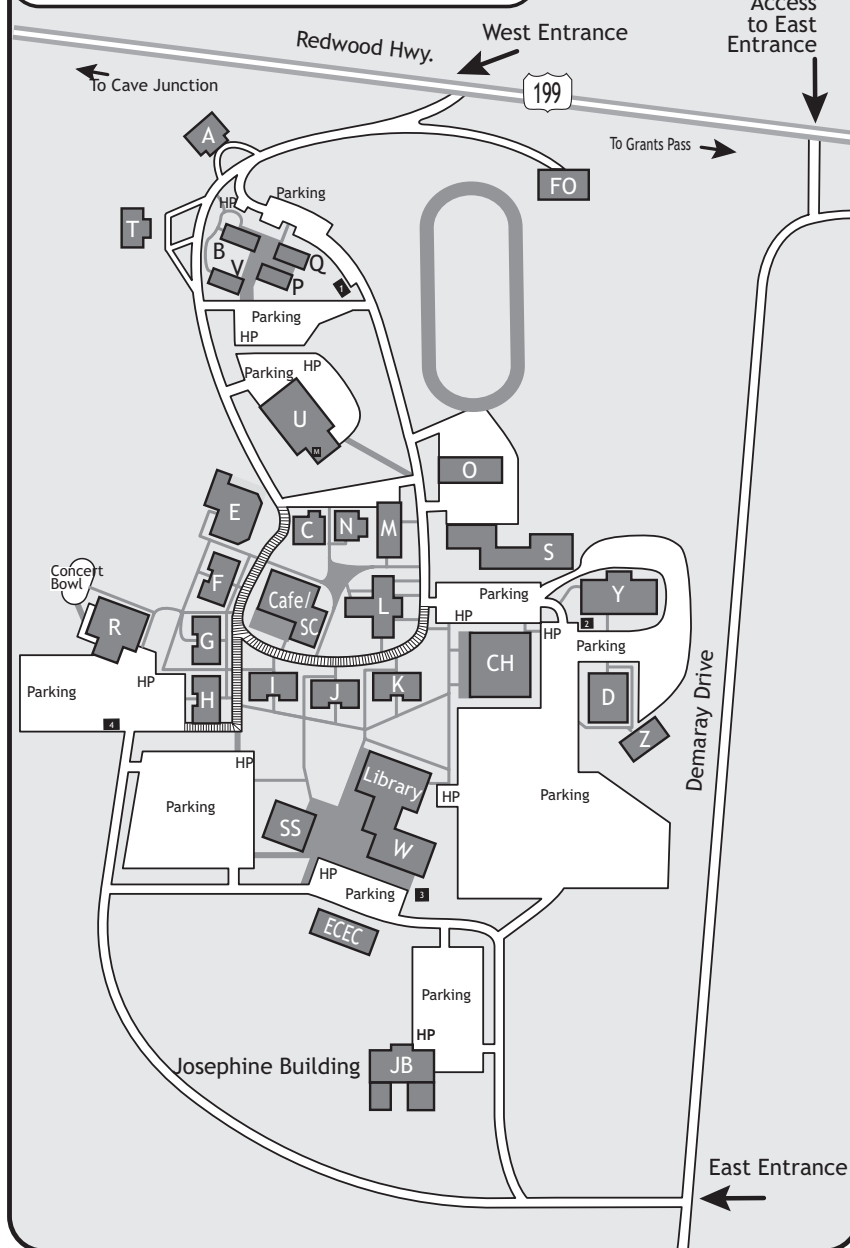
Exit 55 to the US-199 Redwood Hwy. towards the Oregon Caves/Crescent City
Merge onto Grants Pass Pkwy.

Turn slight right onto Redwood Hwy./US-199.

Turn left from Redwood Hwy. onto Willow Lane.

Bear right onto Demaray Drive.

Turn right into College Drive (east entrance).



Updated 5-30-14

Redwood Campus Legend

- A Vacant
- B Nursing
- C College Services/Information Technology
- CH Coates Hall
 - Computer Science/Labs/Classrooms
 - Help Desk
 - Instructional Media
- D Science/Art Classrooms/Lab
- E Science/Classroom/Labs
- F Faculty Offices
- FO Facilities Operations
- G Classrooms
- H President's Office
 - Board Room
 - Foundation Offices
 - Marketing/Recruitment
- HP Handicap Parking
- I Classrooms
- J Classrooms
- JB Josephine Building
 - Individualized Career Training
 - Placement Testing
 - Student Records
 - TRIO/SSS
- K Classrooms
 - Redwood Campus Learning Center
- L Instructional Services Vice President's Offices
 - Community Education
 - Curriculum/Scheduling
 - Discovery Programs
 - Workforce Training
- M Massage Therapy
 - Human Resources
 - Budget/Finance
 - Student Employment
- N Bookstore
- O Shipping/Receiving
- P Facilities Maintenance Shop
- Q Classrooms
- Q Humanities Faculty Offices
- ECEC Early Childhood Education Center
- R Rogue Auditorium
- S Mechanical Tech Labs
 - Automotive
- SC Student Center
 - Student Government
 - Student Life Advisor
 - Game Room
 - Veterans Resource Center
- SS Student Services
 - Admissions
 - Counseling/Advising
 - Rogue Central
 - Cashier
 - Financial Aid
 - Registration
 - Transfer Center
 - Veterans Services
- T Classrooms
- U Gymnasium
 - Mothering room
- V Classroom
- W Library
 - Math Faculty Offices
 - Disability Services
 - TRIO/EOC
 - Tutoring/Testing Center
 - Wiseman Gallery
- Y Electronics
- Z Welding
- 1-4 Classrooms
- 1-4 Designated smoking areas

RIVERSIDE CAMPUS, MEDFORD

www.roguecc.edu/Maps

Registration: 117 S. Central Ave. Medford, OR 97501 • 541-245-7500

Shipping/Receiving: 114 S. Bartlett, Medford, OR 97501

Riverside Campus Legend

RCC Building

Designated smoking area

A – 202 S. Riverside Ave.
Classrooms/Faculty Offices
Nursing
Dental Assisting
Art

B – 227 E. 9th St.
Bookstore
Business, Computer Science
Computer Classrooms
Disability Services
Facilities
IT Help Desk
Staff/Faculty Offices
Placement Testing

C – 130 E. 8th St.
Avista Center for Entrepreneurship
Classrooms
Health/PE/Recreation
Music
Rogue Performance Hall
Theater Arts

G – 117 S. Central
G – Lower Floor
ABE/GED/ESL classrooms
Academic Skills classrooms
Facilities
Instructional Media
New Student Orientations

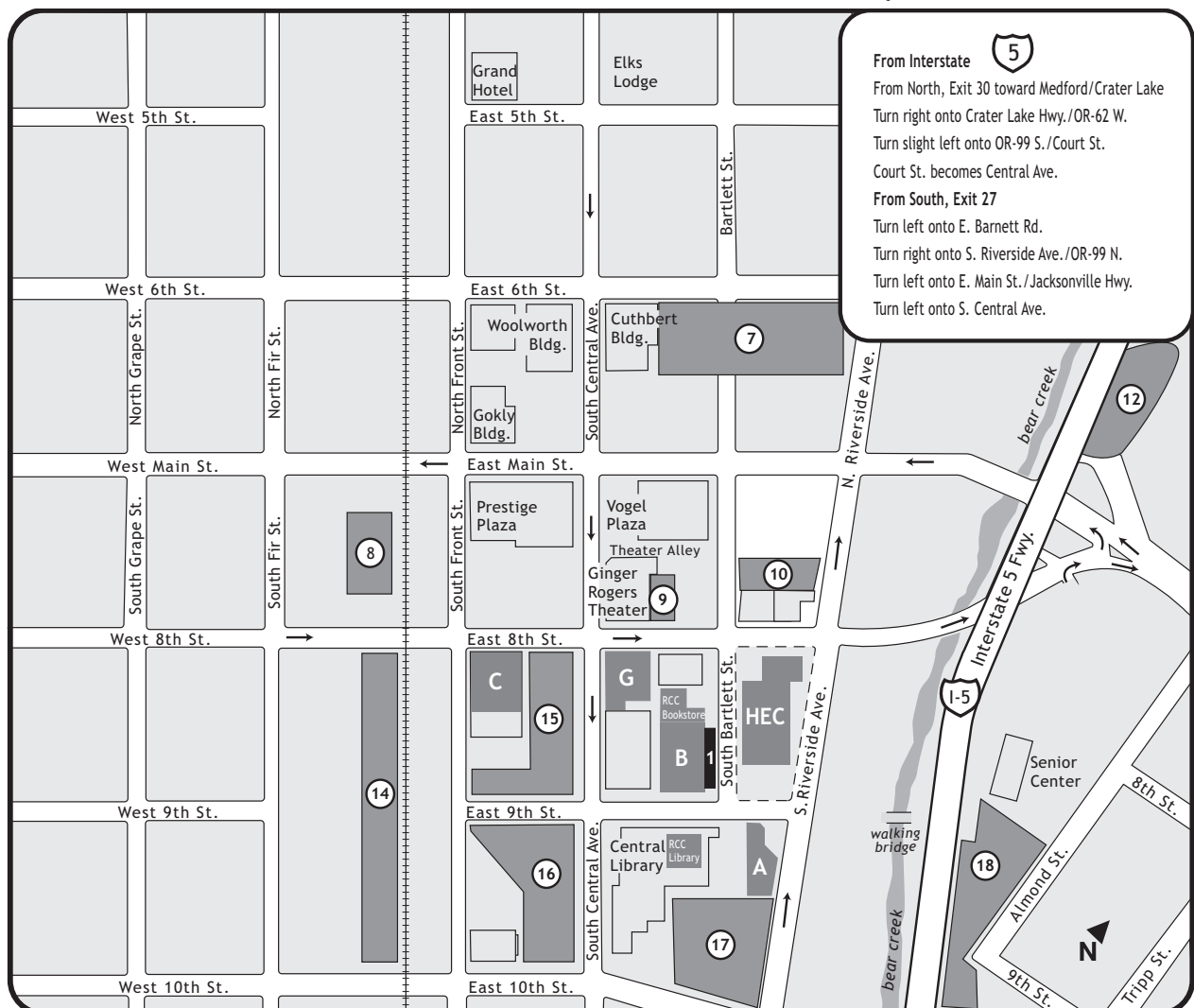
G – Main Floor
ASGRCC/Clubs
Academic Skills Faculty Offices
Riverside Campus Learning Center
Student Life Advisor
Student Lounge
Tutoring/Testing Centers
Veterans Resource Center

G – Upper Floor
Academic Advising
Access/Transfer Center
Administrative Offices
Discovery Programs
Counseling/Careers

G – Upper Floor
Conference Room
Human Resources/
Student Employment
Individualized Career Training
Marketing and Recruitment
Rogue Central
Cashing
Financial Aid
Registration
Security
TRIO/EOC
Veterans Services

HEC – 101 S. Bartlett St.
RCC/SOU Higher Education Center
Allied Health
Art
Classrooms/Faculty Offices
Computer Lab
Community Education
Early Childhood Education
Mathematics
Business Center
Human Services
Humanities
Science
Social Science
Presentation Hall
Workforce Training

Central Library – 205 S. Central
RCC Library
Language/Media Labs
Computer Labs



From Interstate



From North, Exit 30 toward Medford/Crater Lake
Turn right onto Crater Lake Hwy./OR-62 W.
Turn slight left onto OR-99 S./Court St.
Court St. becomes Central Ave.

From South, Exit 27

Turn left onto E. Barnett Rd.
Turn right onto S. Riverside Ave./OR-99 N.
Turn left onto E. Main St./Jacksonville Hwy.
Turn left onto S. Central Ave.

Parking

- 7 - Middleford
- 8 - Evergreen
- 9 - Craterian
- 10 - Bartlett South
- 12 - Bear Creek North

- 14 - Evergreen South
- 15 - Central B
- 16 - Central A
- 17 - Riverside
- 18 - Bear Creek South

Current parking fees are as follows:

- \$10 per month interchangeable permits for surface lots 12, 14 and 18.
- \$10 per month roof permits specific for garages 7 and 8.

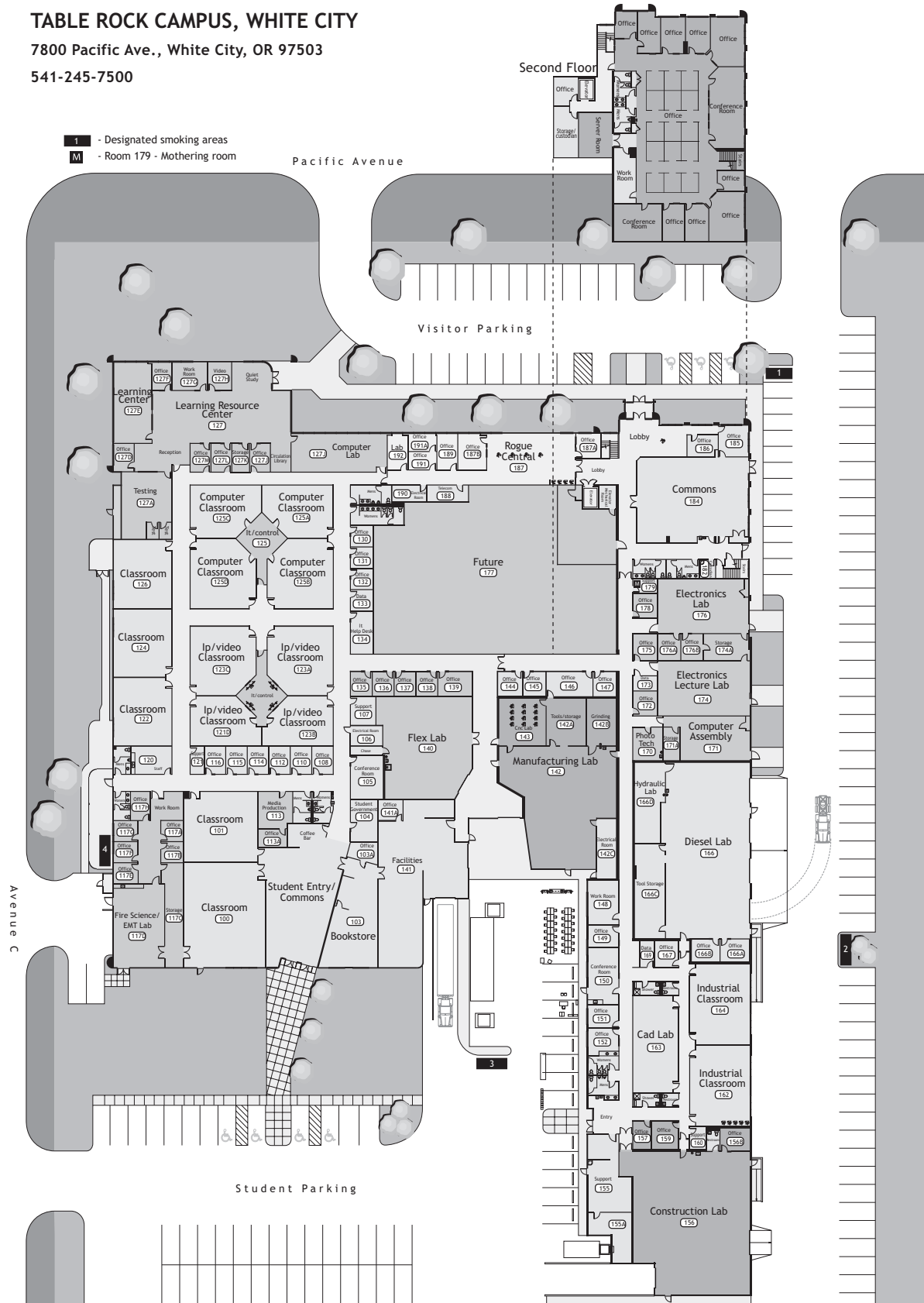
*For more parking information contact Diamond Parking, located on the ground floor of the Middleford Parking Structure, 314 E. 6th St., Medford, or call 541-774-2082 or visit [http://www.ci.medford.or.us/SIB/files/Parking%20Brochure\(2\).pdf](http://www.ci.medford.or.us/SIB/files/Parking%20Brochure(2).pdf)

updated 5-30-14

TABLE ROCK CAMPUS, WHITE CITY

7800 Pacific Ave., White City, OR 97503

541-245-7500



Time management tool

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
6:00-6:30 am							
6:30-7:00							
7:00-7:30							
7:30-8:00							
8:00-8:30							
8:30-9:00							
9:00-9:30							
9:30-10:00							
10:00-10:30							
10:30-11:00							
11:00-11:30							
11:30-12:00							
12:00-12:30 pm							
12:30-1:00							
1:00-1:30							
1:30-2:00							
2:00-2:30							
2:30-3:00							
3:00-3:30							
3:30-4:00							
4:00-4:30							
4:30-5:00							
5:00-5:30							
5:30-6:00							
6:00-6:30							
6:30-7:00							
7:00-7:30							
7:30-8:00							
8:00-8:30							
8:30-9:00							
9:00-9:30							
9:30-10:00							