# Rogue Community College Catalog 2022-23



## www.roguecc.edu

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

Published by Rogue Community College Marketing Department. Catalog committee: Elizabeth Butler, Dani Crouch, Denise Kerr, Ryanne Mitchell, Courtney Rasmussen, Nicole Sakraida, Jodi Simons, Sally Snyder, Barbara Wicks, and Marita Wilder

Front cover design: Ryanne Mitchell Publication production: Elizabeth Butler, Jeanine Henriques, Ph.D., Denise Kerr, Ryanne Mitchell

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At the time of printing this catalog, several policies and procedures were under review due to the coming implementation of a new RCC computer information system. Please visit the RCC website for the most up-to-date information. Changes to this catalog will be posted in the appendix to the online catalog under "Errata" at <u>roguecc.edu/catalog</u>.

### Welcome Fall 2022 Students!

It is my great honor to be joining the incredible team here at RCC as your new president. I know, as a student, you will benefit from the expertise and caring nature of every RCC staff and faculty member, and their deep commitment to your educational success.

RCC's mission sets a high goal, inspiring us to enhance the quality of life in our communities by providing accessible, exemplary educational opportunities for student success and economic development. RCC's vision – to be an inclusive and dynamic college that inspires, strengthens, and transforms – asks each of us to achieve that goal with the highest integrity and future-forward thinking. It is clear these core values at RCC remain strong. I am honored to be part of creating such a positive impact for our entire community.

As a community college graduate, I have personally experienced the access, affordability and opportunity a college like RCC provides to all who bring their dreams to our doorstep. Our College's commitment is to the success of each student. It is an honor to witness, and share along with you, the power of education to transform our lives.

I am exceptionally appreciative of the students, staff, and faculty of RCC who have risen to the challenges of the pandemic and regional wildfires over the last 30 months. RCC faculty and staff redesigned courses to be more effective and meet the evolving needs of today's learners. RCC students have adapted to online and hybrid classes and new technologies. Everyone has found creative ways to build and celebrate this college community as we strive to provide the best teaching and learning environment possible.

Thankfully, the casual connections that happen when we can all be together on campus; seeing people in the hallways, sharing ideas after class, and mak-

## **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

3345 Redwood Hwy. Grants Pass, OR 97527 541-956-7494

#### Illinois Valley Business Entrepreneurial Center

Kerby Belt Building 24353 Redwood Hwy. Kerby, OR 97531 541-956-7400

#### Illinois Valley Learning Center

Kerby Belt Building 24353 Redwood Hwy. Kerby, OR 97531 541-956-7455

#### Redwood Campus GED<sup>®</sup> Learning Center and Adult Basic Skills (ABS)

M Building 3345 Redwood Hwy. Grants Pass, OR 97527 541-956-7253

### **Riverside Campus**

114 S. Bartlett St. (mailing) Medford, OR 97501 541-956-7500 Oregon Telecom Relay Service, 711

#### **Riverside Campus buildings:**

**Student Success Center** 227 E. Ninth St.

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

## **Table Rock Campus**

A Building 7800 Pacific Ave. White City, OR 97503 ing personal connections, are returning. As your new president, I will continue to seek and support creative ideas for community building from each and every one of you. We are in this together, strong relationships help us all succeed, and together we will continue to strengthen this community.

Thank you for your ongoing support of our faculty, staff, and your fellow students as we all engage in teaching, learning, outreach, and many other activities to advance RCC's diversity, equity and inclusion. Our joint efforts to



be an open, welcoming and accessible educational choice for every Southern Oregon student, no matter their background or obstacles, is inspiring.

We have many educational opportunities for you to choose from at RCC as you pursue the ideas, skills, certificates and degrees that will enhance your economic and personal life. The great news is that our programs and pathways are flexible and designed to meet you at whatever your starting point.

As you begin or continue your journey at RCC this academic year, our entire community welcomes you with enthusiasm, hope and dedication toward your success. You have made it to our open door and, on behalf of the RCC community, I wish you happiness, resilience and perseverance as you travel your path and achieve your dreams.

President Randy Weber

#### **High Technology Center**

B Building 7932 Pacific Ave., White City, OR 97503

#### Health Professions Center

C Building 7731 Pacific Ave. White City, OR 97503

#### Workforce Training Center

A Building at Table Rock Campus (800) 460-6766

Table Rock Campus Learning Resource Center A Building at Table Rock Campus

RCC/Fire District 3 Fire Science Center 8383 Agate Rd., White City, OR 97503

# 2022-2023 Academic Calendar

		J	uly	202	2				2022	2022	2023	2023
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Vataran/Qualified domendant	Summer	Fall	winter	Spring
						1	2	registration <sup>1,3</sup>	Apr 29	Apr 29	Oct. 28	Feb. 10
	3	4	5	6	7	8	9	Priority registration <sup>2,3</sup>	May 2	May 2	Oct. 31	Feb. 17
1	10	11	12	13	14	15	16	New student/open registration <sup>3</sup>	May 12	May 12	Nov. 10	Feb. 2
י ר	17	10	10	20	21	22	22	Student Welcome Day		Sep. 14		
2	17	10	17	20	21	22	23	Term begins	July 11	Sep. 15 Sep. 19	Jan 2	Anr 3
3	24	25	26	27	28	29	30	Deadline to add or drop classes <sup>4,5</sup>	July 18	Sep. 15 Sep. 26	Jan. 9	Apr. 1
4	31							Withdraw period begins	July 19	Sep. 27	Jan. 10	Apr. 1
		Au	aus	t 20	22			Deadline to pay for classes <sup>5</sup>	July 21	Sep. 30	Jan. 13	Apr. 1
			940					First refund date	July 21	Sep. 30	Jan. 13	Apr. 1
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Foundation scholarship applications				<u>Api. 2</u>
4		1	2	3	4	5	6	available			Feb. I	
5	7	8	9	10	11	12	13	Foundation Scholarship Early Bird				Apr. 1
6	14	15	16	17	18	19	20	Deadline Second twitten installment deadline	Aug 11	Oct 21	Eab 2	I Mov 5
7	21	22	23	24	25	26	27	Graduation application deadline <sup>6</sup>	Aug. 11	001.21	Feb. 15	may 5
0	20	20	20	21				Last day to withdraw or change to audit <sup>5</sup>	Aug. 11	Nov. 14	Feb. 24	May 2
-0	20	27	50	51				Last tuition installment deadline	Sep. 1	Nov. 14	Feb. 24	May 2
	S	ept	emł	ber 2	202	2		Foundation scholarship application				June 1
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Einancial Aid document submission deadline	Aug 25	Nov 25	Mar 10	June 0
8					1_	2	3	Term ends	Sep. 1	Dec. 2	Mar. 17	June 1
	1	5	6	7	Q	0	10	Commencement	~• <b>r</b> ·-			June 1
	4	5	0	/	0	7	10	Break between terms (no classes)	Sep. 5	Dec. 5 -	Mar. 20-	June 1
	11	12	13	14	15	16	17		- 16	Dec. 30	Mar. 31	- July
	18	19	20	21	22	23	24	Grades available online	Sep. 8	Dec. /	Mar. 22	June 2
2	25	26	27	28	29	30		Independence Day	July 4			
		Oct	obe	er 20	)22			Fridays	July 1 -			
									Sep. 2			
Neek	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Labor Day Veterans Day	Sep. 5	Nov 11		
2							1			Nov.		
3	2	3	4	5	6	7	8			24 - 25		
4	9	10	11	12	13	14	15	Winter closure		Dec.		
5	16	17	18	19	20	21	22	New Vear's Day (observed)		19 - 27	Dec 30	
6	23	24	25	26	27	28	29	Martin Luther King Jr. Day			Jan. 16	
7	20	21	20	20	21	20	27	Presidents' Day			Feb. 20	
/	30	31						Spring Inservice				May 1
	1	lov	emk	ber 2	2022	2		Memorial Day (observed )				May 2
Week	Sup	Mon	Тие	Wed	Thu	Fri	Sat	1 Hourse Bill 2545 allows an active march	r of the Arrest		the United (	States: c
7	Juli		1	2	2	4	E	veteran of the Armed Forces of the Unite	d States: or a	student wh	o receives v	nates; a eterans
/				2	3	4	5	'educational benefits as a federally quali	fied depende	ent priority r	registration	over
8	6	7	8	9	10	11	12	nonqualified students.	•		-	
9	13	14	15	16	17	18	19	<sup>2</sup> For complete registration schedule, visit:				
10	20	21	22	23	24	25	26	https://web.roguecc.edu/enrollment-serv	/ices/registra	tion-schedu	le	
11	27	28	29	30				<sup>3</sup> Advising is required before registering for	or credit class	es		
	-/		_/					<sup>4</sup> Students can register for open classes the	rough Friday	of the 1st w	eek of the te	erm
	I	Dece	emb	oer 2	2022	2		(Thursday for Summer term). Starting Sa	turday (Frida	y for Summ	er term) thro	ough
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Monday of the 2nd week of the term, stu	dents must u	ise a permis	sion code,	
1_1	Gan				1	2	3	provided by the instructor, to register for Permission Code" link	classes in m	ykogue usir	iy the "Kegi	ster with
		-		-			3	5 Check your schedule. Actual course dates	may yary fo	r non-torm l	enath classe	96
	4	5	6	7	8	9	10	Deadling for students avaluating at the	and of caring		torm visit	
	11	12	13	14	15	16	17	www.roguecc.edu/Commencement/Appl	vinaforGradı	uation.asp	terin, visit	
					0.0	22	24					
	18	19	20	21	22	23	24	Term Begins	e Closed			
	18 25	19 26	20 27	21 28	22	23 30	31	. Term Begins Colleg	e Closed ice Day, Worl	day for the	H	

January 2023								
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
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5	29	30	31					
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Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
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6	5	6	7	8	9	10	11	
7	12	13	14	15	16	17	18	
8	19	20	21	22	23	24	25	
9	26	27	28					
		Ma	arch	20	23			
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
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10	5	6	7	8	9	10	11	
11	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	
	26	27	28	29	30	31		
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Dates are subject to change 6/8/22

## 2021 STRATEGIC PLAN

#### Mission

Rogue Community College enhances the quality of life in our communities by providing accessible, exemplary educational opportunities for student success and economic development.

#### Vision

Rogue Community College will be an inclusive and dynamic college that inspires, strengthens, and transforms.

#### Values

Integrity drives us as an institution and individuals to demonstrate clear communication, transparency, ethics, and accountability.

**Collaboration** promotes a communicative, agile, responsive culture that fosters vibrant, productive partnerships to benefit our students and strengthen our communities.

**Diversity, Equity and Inclusion** create an accessible, welcoming, respectful and safe environment which engages all individuals, beliefs, and ideas fairly.

Sustainability guides us to be responsible and thoughtful stewards of our human, economic, environmental, and cultural resources.

**Courage** frees the institution and individuals to creatively pursue best practices supporting student success.

#### Wildly Important Goals

#### WIG 1: Equitable Access creates a welcoming and inclusive environment for all.

**Objective 1:** Improve community access to our educational opportunities and support systems.

**Objective 2:** Increase participation of under-served populations in our programs.

**Objective 3:** Improve participation in adaptable and responsive training and learning opportunities designed to improve college access.

#### WIG 2: Student Success helps all students progress on their learning pathway.

**Objective 4:** Implement holistic student supports to ensure students meet their learning goals.

**Objective 5:** Use effective student engagement strategies to increase student persistence.

**Objective 6:** Decrease student time and number of credits to completion of a credential.

#### WIG 3: Building Community strengthens and expands internal and external collaborative partnerships.

**Objective 7:** Increase comprehensive outreach with business and industry partners.

**Objective 8:** Determine local employer satisfaction with our graduates for program quality improvement.

**Objective 9:** Strengthen relationships with community partners for the benefit of students.

WIG 4: Institutional Excellence builds a campus culture of continuous improvement.

**Objective 10:** Apply assessment and evaluation data to improve curriculum, course delivery, and services to support student success. **Objective 11:** Increase participation in professional development that enhances teaching and learning, student success, and institutional effectiveness.

**Objective 12:** Make effective use of new and emerging technologies to improve teaching, learning, communication, and institutional operations.

## Welcome to RCC

RCC is a regionally accredited, comprehensive, two-year public college serving Jackson and Josephine counties on three campuses:

- 1. Redwood Campus (Grants Pass).
- 2. Riverside Campus (Medford).
- 3. Table Rock Campus (White City).

Other learning sites include the Illinois Valley Business Entrepreneurial and Illinois Valley Learning centers in Josephine County, and the Fire Science Center in Jackson County.

# Authority and Governance

The College is one of 17 community colleges in the state, each independently governed by its own local Board of Education, and managed by the Department of Community Colleges and Workforce Development (CCWD) under the Higher Education Coordinating Commission (HECC) for the state of Oregon.

CCWD is granted legal authority for approval of courses and curricula through Chapter 589, Division 6 of Oregon Administrative Rules adopted by the State Board of Education under Chapter 341 of Oregon Revised Statutes.

The HECC and CCWD, in coordination with the State Board of Education are responsible for distribution of state aid, review and approval of new programs and courses, and governance rules for Oregon community colleges.

In addition, the Oregon Community College Association serves as liaison between the colleges, state legislators, and partners on issues from funding to legislative policy, special studies and reports.

## Accreditation

#### www.roguecc.edu/Accreditation

RCC has been continuously affirmed for accreditation since 1971. It is accredited by the regional authority - Northwest Commission on Colleges and Universities (NWCCU). NWCCU is recognized by and accountable to the U.S. Department of Education. NWCCU establishes the standards and processes by which public and private colleges and universities in the region are evaluated every 3 to 4 years in a 7-year cycle to ensure student learning through quality education and overall college effectiveness. Accreditation also qualifies RCC for federal grants and other funding, including financial aid for students enrolled at the College.

## Americans with **Disabilities Act & Section** 504

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, visit www.roguecc.edu/ Budget.

## **Campus crime** awareness and security

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

regarding safety and security or in order to obtain a copy of the annual security report, contact Risk Management or visit www.roguecc.edu/security.

## Closures

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

To learn more about RCC alerts, visit www.roguecc.edu/alerts.

## **Consumer information**

All consumer information is available online at www.roguecc.edu/aboutRCC/consumerInfo. asp

## Electronic communication

RCC primarily communicates with students via their RCC student email. When applying for admission, an RCC student email address will be provided. Check your RCC email regularly for messages from the college.

### Foundation

#### foundation.roguecc.edu | 541-956-7327

H Building, Redwood Campus

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 \$14 million in assets and supports the college through scholarships and direct funding to programs.

## Faculty and staff

#### www.roguecc.edu/Directory

RCC employs approximately 267 regular employees: 42 exempt staff, 76 full-time faculty, 136 full-time classified, and 13 parttime classified staff. In addition, the college employs more than 340 adjunct faculty.

## Right to Learn

Rogue Community College (RCC) Administration recognizes all people's Right to Learn. Our mission is to provide quality education for all segments of society through open access admission offering equal and fair treatment to all students who desire to learn.

To achieve these ends, promote the physical safety and emotional well-being of RCC students, and keep our campuses secure and inviting to them and their families, Rogue Community College will do the following:

Pursuant to the Family Educational Rights and Privacy Act (known as FERPA) and relevant law, RCC staff shall not disclose personal information including but not limited to any RCC student's immigration status. In addition, no RCC staff member shall ask about any student's immigration status or that of a student's family members.

In support of this, Rogue Community College will provide safe zones for students to communicate their concerns and access resources such as:

- Bilingual counselors/advising case managers with whom students share a common identity.
- A means to report hate incidences.
- Advocates for sexual harassment complaints.

RCC, under FERPA, approves what Directory Information is published and shall not release "non-directory" student record information unless legally compelled to do so.

RCC security personnel do not have the authority to, and therefore will not enforce federal immigration laws.

RCC Administration has the authority and responsibility to control access to college property owned, leased, rented or occupied for the purpose of RCC-related education, service or operations, and restricts the facilitation or consent to immigration code enforcement unless under court order or in the event of an imminent health or safety risk.

## Students

In the 2020-21 school year, approximately 6,872 students enrolled at RCC. That number represents a full-time equivalent (FTE) of 2,832 students. For more information, visit the RCC At-a-Glance page at www.roguecc.edu/aboutRCC/atAGlance.asp.

## Frequently called numbers

#### www.roguecc.edu/Directory

#### New to RCC? Go to www.roguecc.edu/start or www.roguecc.edu and click on "Virtual Student Center."

Main Number	
Access and Disability Resources	
Admission (Recruitment/Campus Tours)	
Adult Basic Skills (ABE/GED <sup>®</sup> /ESL)	
Advising	
Bookstore (Textbooks/Student Store)	
Community Education (including Truck-CDL)	
Computer Labs	
Counseling	
Driver Training (High School and Adult)	
Enrollment Services	
Financial Aid Advising (Financial Aid Cashier)	. FinAidAdvising@roguecc.edu   541-956-7501
Library	
Registration Help	
Student and Employment Services	
Testing Center/Placement Assessment	
Transcripts order info	
TRIO Educational Opportunity Center	
Tutoring Centers	
Veterans Resources	

## Social media at RCC

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



#### www.facebook.com/RogueCommunityCollege/

Facebook is a social networking site where users create profiles, upload photos and videos, send messages, and keep in touch with others.



www.instagram.com/roguecommunitycollege/ Instagram is a mobile social media where users share photos and videos publicly or privately. Follow @roguecommunitycollege for current RCC images and



video.

#### www.twitter.com/rogueCC

A social broadcasting service that allows users to communicate through short text-based posts or "tweets" of up to 280 characters. Find us @RogueCC.



RCC Campus App. A mobile platform for RCC students to network, learn, and keep up on campus activities. Available at the Apple Store, Google Play, or https://web. roguecc.edu/student-life/rcc-campus-app.



Wordpress Blog: <u>http://roguecommunity.net</u> Rogue Community is a news and student stories blog built to engage with the community of RCC and beyond.





You Tube YouTube is a site for viewing, uploading and sharing videos. Visit the RCC channel for fun and informative videos about RCC.

Toll free outside Grants Pass/Medford/White City calling areas, 800-411-6508.

\*\* 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 the stated policy of the RCC Board of Education.

The catalog is produced by the Marketing Department. For information, call 541-956-7114.

# **Admissions and Registration**

## Admission policy

Students 18 years and older may be admitted to RCC. Students under the age of 18 who have graduated from high school or completed a GED<sup>®</sup> may be admitted. For enrollment under 18 years old, see "Underage Enrollment."

Questions may be directed to the Transition Specialists at <u>recruitment@roguecc.edu</u>.

#### **Enrollment limitations**

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

### Limited entry programs

Apprenticeship, Alcohol and Drug Counselor, Dental Assistant, Human Services, Massage Therapy, Medical Office Assistant, Medical Assistant, Nursing, Paramedicine, Pharmacy Technician, Phlebotomy 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 to submit verification of certain immunizations and medical tests.

#### International admission

RCC is authorized under federal law to enroll non-immigrant students. International Admissions is closed for the 2022-23 academic year.

#### Underage enrollment standards for credit classes

#### www.roguecc.edu/admissions/

Prospective students under the age of 18 who have not graduated from high school or completed a GED<sup>®</sup> must meet additional criteria for acceptance. The college reserves the right to approve or deny the request for enrollment by underage students.

## First Term Course-Placement

#### www.roguecc.edu/placement

The Placement Process is designed to enable a student with the assistance of RCC staff to determine the most appropriate class to match each student's academic skill level.

Students who plan to enroll in any course with a prerequisite or intend to pursue a degree or

# GET ON THE PATH Steps for getting started



## Find your Path.

Discover how your passions and skills can best be used in the workplace – because people who do what they love, love what they do. Let us help you get on the right path from the beginning, saving you money and time.

## Complete Admissions.

Apply for admissions and we will email you your next steps. Activate your myRogue portal and RCC student email accounts.



## Apply for Financial Aid.

Save your money! Spend ours. More than \$3 billion of federal aid goes unclaimed.\* Financial assistance can make your education affordable. Complete your FAFSA/ ORSSA early.

\*https://www.ncan.org/news/592984/NCAN-Report-3.75-Billion-in-Pell-Grants-Goes-Unclaimedfor-High-School-Class-of-2021.htm



## **Register for Classes.**

Register online through myRogue student portal.

certificate, must participate in the placement process. Many RCC credit-courses have prerequisites for a certain level of math, reading, and writing competency. Knowing which courses are best for you is important and will save you time, money, and frustration. RCC has multiple ways for you to be placed into your first term of classes that best fit your current skills.

The Placement Process may be met based on any of the following conditions:

- An official or unofficial college transcript with successfully completed college-level reading and math classes.
- High School cumulative GPA, Senior English course grade, and highest high school math course and grade within the last two (2) years.
- SAT or ACT scores within the last five (5) years.
- GED<sup>®</sup> test scores within the last five (5) years.

- Placement Assessment results from another college.
- AP (Advanced Placement) or IB (International Baccalaureate) scores.
- Placement Assessment (<u>www.roguecc.edu/</u> placementAssessment).

For more information about your placement process options, contact the Transition Specialists at <u>recruitment@roguecc.edu</u>.

## **Placement Assessment**

www.roguecc.edu/PlacementAssessment/

If you are unable to be placed using the multiple options, RCC provides a placement assessment called Accuplacer NextGen. Students take an untimed, user-friendly computerized assessment. RCC offers a free placement assessment at either our Redwood Campus (Grants Pass), or our Table Rock Campus (White City). We sometimes offer placement assessments at our Riverside Campus in Medford, also. To request a placement assessment with accommodations due to a disability, contact Access and Disability Resources: by emailing <u>accessOffice@roguecc.edu</u>, calling 541-956-7337, or Oregon Telecom Relay Service, 711.

The following classes have no prerequisites and do not require a placement process or test:

- ART115 Basic Design (Composition)
- ART115 Basic Design (Composition)
- ART116 Basic Design (Color Theory)
- ART120 Introduction to Digital Art
- ART131 Introduction to Drawing (Value)
- ART132 Introduction to Drawing (Line)
- ART133 Introduction to Drawing (Mixed Media)
- ART222 Graphic Design (Typography)
- ART234 Figure Drawing I
- ART237 Illustration (Black and White Media)
- ART238 Illustration (Color Media)
- ART239 Illustration (Perspective)
- ART253 Ceramics I
- ART257 Beginning Jewelry and Metalsmithing
- ART276 Sculpture
- ART281 Painting I
- ART287 Aqueous Media/Airbrush I
- ART294 Watercolor I
- CIS60 PC Basics I (Introductory computer class)
- HE112 Emergency First Aid
- HE261 CPR/Basic Life Support Provider
- MUS105 Music Appreciation
- MUS131 Class Piano I
- MUS135 Beginning Hand Drums
- MUS136 Introduction to Ukulele
- MUS137 Group Guitar Beginning
- MUS142 Music Technology I
- MUS150 Rogue Chorus
- MUS151 Riverside Chorus
- MUS158 Chamber Music Ensemble
- PE185 Physical Education (activity course)
- TA141 Fundamentals of Acting
- TA144 Improvisational Theater

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

#### **Transfer credits**

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

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

#### Transfer credit evaluation

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

- Get admitted to RCC.
- Declare a major at RCC.
- Order official transcripts from all previous colleges.
- Provide course descriptions for any course taken more than 10 years ago that will be considered toward the evaluation.
- For evaluation of military credit, order an official military transcript.
- See "Credits earned through other programs."

## New Student Orientation

#### www.roguecc.edu/NSO

The RCC New Student Orientation is designed to help you explore your new college, meet the instructors and advisors who will help you through the next few years, and make friends! This means you don't have to arrive already knowing the answers to all your questions as you learn from your NSO what RCC has to offer to make you successful as college student.

During the orientation process, you will receive guidance on declaring your major, ways to pay for college, play games, tour your campus, and be introduced to social activities and clubs on campus.

## Freshman Experience

For students who are new to the college environment and first-time freshmen, and/or have not yet decided on a major, there is a combination of classes designed to help them get started successfully in an academic career. By the end of this series they will understand what educational goals are and the skills required to complete them. Each of the following courses will count toward general education and/or elective requirements:

- Appropriate math course each term.
- Appropriate writing course each term.
- CG100 College Success and Survival.

- CG140, CG150 or CG155 Career Development Course.
- CIS120 Concepts in Computing I.
- COMM115 Introduction to Intercultural Communication.
- RD120 Critical Reading and Thinking.
- PSY101 Psychology of Human Relations.

Visit <u>www.roguecc.edu/advising/appointment</u> to make an appointment with an advising case manager for details.

## Freshman Experience program learning outcomes

- 1. Financial Literacy: RCC students will be able to manage and understand the relationship between income, expenses, credit and debt over time.
- Social Skills/Soft Skills: RCC students will adapt to and follow the social structures, formal rules and cultural norms of college.
- 3. Connection: RCC students will be able to recognize the importance of developing and maintaining relationships with people and resources.
- Study Skills: RCC students will commit and persist in completing their goals through a purposeful selection of tools and strategies that work for them.
- Persistence: RCC students will commit to and persist along their chosen academic path through a purposeful and self-aware selection of tools and strategies.
- 6. Navigate Systems: RCC students will identify and use key systems in the appropriate order at the appropriate time.
- 7. Major Secure: RCC students will purposefully pursue a career based on interests, abilities and career information.
- 8. Awareness of Cultural Diversity: RCC students will respectfully engage with a variety of ideas, viewpoints and differences in spite of their implicit bias.

## Registration

See the online registration schedule at <u>www.</u> <u>roguecc.edu/enrollmentservices/regschedule.</u> <u>asp</u> for priority registration times and additional information about registration options. <u>Registrar@roguecc.edu</u> answers questions about the registration process.

Credit students register using the online registration system at <u>www.roguecc.edu/myRogue</u>.

Students should register carefully as they are liable for tuition/fees for any registered courses. Students must drop themselves online 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 Access and Disability Resources:

541-956-7337 or Oregon Telecom Relay Service, 711

#### myRogue

#### www.roguecc.edu/myrogue

myRogue has many helpful tools including account history, course schedule, a link to report cards, and a link to online registration and Degree Audit. Students also receive important information via their RCC issued student email from <u>myRogueTeam@roguecc.</u> <u>edu</u>.

#### Logging on to myRogue

- 1. Visit the RCC home page at <u>www.roguecc.edu</u>.
- 2. Select myRogue Student Portal.
- 3. Log in with RCC username and password that was created when completing the online admissions application.
- To reset password, click the "Forgot Your Password?" link, and follow the directions.

#### Change of registration

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

#### Adding a class

Classes may be added by registering online during registration periods through the first week of the term; instructor's permission is required thereafter. The deadline to register with a permission code is Monday of the second week of the term.

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

#### Non-Attendance drop

For term-length credit classes, students must attend at last fifty percent of the class session for in-person classes or submit the first week assignment by Wednesday for web classes during the first week of the term, or they may be dropped for non-attendance from the class by the instructor.

NOTE: Drop only applies to classes students registered for prior to the first day of the term.

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 dropped for non-attendance from that class. Contact information for instructors is

#### 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	Monday, week two of the term	Friday of week eight; summer term on Thursday of week five	
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 or longer*	The day of the first class meeting	One day before last class meeting	

#### online at the www.roguecc.edu/directory.

A tuition refund will be applied to the accounts of students who have been administratively dropped from class(es) due to non-attendance.

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

#### Official Drop or Withdrawal from classes

- Students may drop from a term-length class through Monday of the second week of the term until 11:59 p.m. Tuition is refunded in full (and financial aid adjusted if necessary) when a student drops from a class. There is no notation of the dropped class on the student's grade report or transcript. See the credit class refund and withdraw deadlines for non-standard term length classes at the Enrollment Services Add/Drop/Withdraw from Classes page at www.roguecc.edu/enrollmentServices/add-Drop.asp.
- 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 in myRogue. The official withdraw date is the day a student withdraws online. Students who stop attending a class, but do not officially drop or withdraw will receive a grade for the course that will become a permanent entry on their academic records. See the credit class refund and withdraw deadlines for non-standard term length classes at the Add/Drop/Withdraw from Classes page at www.roguecc.edu/enrollmentServices/add-Drop.asp.

#### Unofficial Drop or Withdrawal from classes

Students who stop attending but do not officially drop or withdraw receive

the grade they earned based on syllabus requirements. If that grade is F or NP, 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 RCC's myRogue student portal at <u>www.roguecc.edu/</u>myRogue.

### **Tuition and fees**

The Rogue Community College Board of Education establishes tuition and fees. Current tuition and fee rates are posted at <u>www.</u>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 on the RCC website. Search for "tuition rates." Tuition and fees for auditing a course are the same as normal tuition fees.

Following are the tuition rates and fees for 2022-23:

- Oregon residents \$120 per credit hour.
- Out-of-state residents \$148 per credit hour.
- International students \$400 per credit hour.
- Technology fee \$7 per credit/ \$7 per non-credit class.
- College services fee \$17 per credit up to 15 credits.
- GED instruction \$65 per term.
- GED test fee 4 tests, \$38 each = \$152.
- Non-credit classes tuition varies by class or workshop and is published each term. A \$7 technology fee may be assessed in addition to the workshop or class fee.
- Late registration: maximum of \$45.
- Late Fees: \$15 late fee on delinquent

accounts, assessed Friday of week 5, and 11.

- Late payment fee 5 percent of tuition or \$5 whichever is higher. Nonpayment fee: Due Friday week 2 of the term: 5% of the outstanding balance or \$5 whichever is greater.
- 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. Students may request a reclassification to in-state residency by submitting the Request to Establish Residency Status form to the Enrollment Services department. Requests must be submitted prior to the start of the quarter for which reclassification is to be effective. Documentation will be required of the student in support of the reclassification request.

#### In-state

A student may register and pay in-state tuition 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.
- A veteran using educational assistance under either chapter 30 (Montgomery GI Bill - Active Duty Program) or chapter 33 (Post-9/11 GI Bill), of title 38, United States Code, who lives in Oregon while attending a school located in Oregon (regardless of the student's 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 (See page 30 for details).
- Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of the student's 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 described above while remaining 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 or release as described above and must be using educational benefits under either 31 chapter 30 or chapter 33 of title 38, United States Code.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b) (9)) who lives in Oregon while attending a school located in Oregon (regardless of his or her formal State of residence).
- Was considered a resident at the time of admission, has maintained continuous enrollment and is a spouse or dependent of an active military member assigned to duty out-of-state.
- Is a resident of Oregon who left the state for summer employment.
- Is a resident of California, Idaho, Nevada or Washington.
- Is a Native American or Alaska Native who graduated from an Oregon public or private high school.

#### 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 return.
- 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 online at <u>www.roguecc.edu/calendat/academics</u> 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" page 11). Students will be responsible for all tuition charges unless classes are dropped by the student by the first Friday of the term for term-length classes.

#### **Payment methods**

It is strongly encouraged that payments be made either by credit card on myRogue at <u>www.roguecc.edu/myRogue</u> or by check to our lockbox processor (see Payment address and cashiering locations). The following are available methods of payment:

- Cash U.S. funds only. Accepted inperson, see Cashiering locations section for hours.
- Checks Personal checks, cashier's checks and money orders are accepted for the amount of purchase only.
   Please make checks payable to Rogue Community College and remit to our lockbox processor (see Payment address section). Print the student's name and the student ID number clearly on the face of the check. A \$25 charge is assessed on any returned check.
- Credit Card (VISA, MasterCard, Discover and American Express)
   – Payment is available online on myRogue. RCC student username and password are required.
- Agency or company payments -Arrangements for payment by an agency or company must be pre-approved by the college. Please contact <u>agencyre-</u> <u>sources@roguecc.edu</u> for the process. Once approved, agencies or companies will email vouchers for tuition, fees, books and supplies to the same email. If payment is not received from the agency, the student is responsible for the full amount.

## Payment address and cashiering locations

All checks must be sent to RCC's lockbox at:

Rogue Community College PO Box 3678 Portland, OR 97208-3678

For your convenience, postage-paid, preaddressed envelopes are located at the cashiering locations below, and can be dropped in any U.S. postal mailbox.

Cashiering locations - payments may be made in-person at the following locations and hours (closed for lunch from noon-1pm):

• Redwood Campus, Grants Pass: Library Mondays and Tuesdays, 9am to 5pm

- Table Rock Campus, White City: A Building, Room 187 Tuesdays and Wednesdays, 9am to 5pm
- Riverside Campus, Medford: Library Wednesdays and Thursdays, 9am to 5pm

Please help us manage our payment process by either mailing your check payment to the lockbox address, or making a credit card payment on myRogue at <u>www.roguecc.edu/myRogue</u>. If you would like to make a payment by phone, please call 541-956-7430. Should you have any payment-related questions you can also email us at STAR@roguecc.edu. Please direct all financial aid inquiries to your financial aid advisor. Visit the Contact your Financial Advisor link here <a>=www.roguecc.edu/RCCfinAid/contact.</a> asp for your specific Financial Aid Advisor's email, based on your pathway.

#### Student installment plan

#### www.roguecc.edu/payment

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

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

Students who use the installment plan must pay \$50 of the current term's charges and a \$25 non-refundable administrative fee by the payment deadline, listed at

www.roguecc.edu/Calendar/academic.

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

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 on myRogue. Request more information via email: STAR@roguecc.edu.

#### Consequences of nonpayment

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

#### Tuition and fees 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.

#### Financial aid refunds -

RCC delivers your refund with BankMobile Disbursements, a technology solution, powered by BMTX, Inc. Visit this link for more information: BankMobile Refund Choices: https:// bankmobiledisbursements.com/refundchoices.

Please refer to RCC Financial Aid: www.roguecc.edu/RCCfinAid/ for details on financial aid, and the Business Office: www.roguecc.edu/businessOffice/ for more

information about refunds, including timing. All students must select their refund preferences at BankMobile Refund Choices: https:// bankmobiledisbursements.com/refundchoices in order to receive payments from RCC.

Please refer to RCC Financial Aid for details on financial aid, and the Business Office for more information about refunds, including timing. All students must select their refund preferences at the BankMobile Refund Choices page in order to receive payments from RCC.

#### Refund Policy for Noncredit Classes -

Full payment for non-credit classes (e.g. community education, workforce development, and community education sponsored events) is due at the time of registration. Community Education and Workforce Development classes must be dropped at least three working days prior to the class start date to be eligible for a full refund.

If RCC cancels a non-credit class for any reason, all paid fees will be refunded. Please be certain of your intent to complete a class prior to registration. Classes may be canceled or postponed by RCC for insufficient enrollment one working day prior to the first class session. Appeals may be made by completing the account appeal form (found on the Continuing Education website) and returning to the Continuing Education & Workforce Development Office at Redwood Campus, building A for committee review.

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

#### **Student Record Appeals**

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 Record Appeal to the Enrollment Services Department, available at the Forms for Students page. Available at <u>www.roguecc.edu/</u> enrollmentServices/forms.asp

Appeals must be received by the college within two years from the end of the term the student is appealing. If the student was awarded financial aid during the term and is requesting to be dropped, then the appeal must be received within the same academic school year, or 60 days from the end of spring term.

# **Academic Information**

## Academic standing

www.roguecc.edu/enrollmentServices/ academicStanding.asp

Academic difficulty results when a student is not maintaining academic standards by earning at least a 2.0 grade point average each term and completing 66.67% of their term attempted credits. A student whose term grade point average is below 2.0, and/ or who does not complete 66.67% percent of their term attempted credits will be placed first on Academic Alert I and second on Academic Alert II, and eventually will be academically suspended if academic difficulty continues. NOTE: For the complete Academic Standing Standard, see the Policies section of this catalog.

## Choosing a major

RCC Advising Case Managers 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 fouryear 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).

Associate of Science (AS) degrees are focused in a specific area, are articulated with one or more Oregon universities, and allow students to transfer to those institutions.

A student pursuing a certificate or degree that is "limited entry," including Alcohol and Drug Counselor, Dental Assistant, EMS/ Paramedicine, Human Services, Massage Therapy, Medical Assistant, Medical Office Assistant, Nursing, Pharmacy Technician, Phlebotomy, and Practical Nursing should list Associate of General Studies (AGS) as their 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 fouryear 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 fields.

## Example student transcript

Example student transcript							
Course	Credit hours	Grade		Grade points			
Biology and lab	4	А		16			
Figure drawing	С		6				
Mathematics	ithematics 3 F						
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 pointsdivided $\frac{22}{10}$ Total grade points $\frac{10}{10}$ = 2.20							

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

### Course grading Program courses

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

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

NOTE: A "D" or "F" grade are non-passing grades and will not satisfy prerequisite or program requirements.

#### Academic success courses

Pass ("P") or No Pass ("NP") are used for most academic success 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 success 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. I (Incomplete), R (Retaken Course), 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 their Financial Aid Advisor. (Financial aid will not pay for audits.)
- Pending (Y) is used to indicate a grade has not been posted 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 Monday 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.

#### 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 and NP. 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.

#### **Retaking a course**

Only the highest grade (defined by grade points) will be counted towards a student's (GPA) calculation for classes that are retaken. All classes and grades will remain on the student's transcript, but only the higher grade will be included in the grade point average (GPA) calculation. The lower grades will have \*\* symbols next to the grade. This applies only to grades that are included in GPA calculations, not W, Y, NP, P, I or AU grades. Retaking a previously passed course is aid-eligible only once. Notify Financial Aid Advising before registering in a class passed twice so that aid can be adjusted prior to payment.

This process requires that students submit the Repeat Course form available at RCC Enrollment Forms for Students at <u>www.</u> <u>roguecc.edu/enrollmentServices/forms.asp.</u>

## **Course numbering**

- Personal Enrichment. Courses with numbers below 1.000 (e.g., .601 and .200) are considered to be personal enrichment courses and are not intended for program completion or transfer and are not financial-aid eligible.
- Academic Success. Courses with letters (e.g. CIS, CG, MTH, RD, WR) followed by numbers of less than 100 (e.g., MTH20) are generally considered academic success courses and are sometimes financial-aid eligible.
- Career Technical Education (CTE). Courses identified by the following prefixes: AH, AM, APR, BT, CIS, CPL, DA, DDM, DS, ECE, EET, EMS, ES, FRP, HC, HS, MEC, MET, MFG, MT, NRS, PN, PRX, SRV, WLD are career and technical courses. Most of these courses apply to career and technical degrees and certificates at RCC. They are financial-aid eligible if required or are an approved elective of an aid eligible program.
- Occupational Supplementary. These 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 and are generally not financial-aid eligible.

• Lower Division Collegiate. These 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 previously listed and are generally financial-aid eligible.

# Credits earned through other programs

Submit documentation as outlined below.

A minimum of 12 credits toward any one-year certificate program and a minimum of 24 credits toward any two-year degree must be earned at RCC.

#### **Transfer credit**

Submit all official transcripts and declare a major at RCC.

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

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

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 nonaccredited 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 need to be evaluated by a member of the NACES accredited agency and then compared to the RCC transfer credit acceptance criteria. A list of current National Association of Credential Evaluation Services (NACES) members may be found online at www.naces.org. Students may use the NACES member of their choice for a course-by-course or comprehensive evaluation, including grades.

#### **Dual Credit**

Dual Credit requires students to submit a completed RCC application online. Contact

your high school counselor/liaison for assistance, or the dual credit program coordinator at <u>LBowles@roguecc.edu</u> with questions.

#### College Now

#### www.roguecc.edu/collegenow

The College Now program allows high school students to earn college credit for free in selected high school classes at the same time they are earning credit toward their high school diploma. College Now courses are taught at the high school by high school teachers. These teachers work with RCC academic departments, including CTE, to align the content of the high school class with the rigor of the college class. Schools may apply college credit earned to the high school diploma.

### Early College

#### www.roguecc.edu/earlyCollege

This dual enrollment program allows high school students at participating high schools to become traditional RCC students during their high school years. Early College students take RCC campus or online courses taught by RCC instructors with the intention of completing an RCC certificate or education plan of study. High schools approve students to enroll in college courses and may grant college credit towards the student's high school diploma. Approved Early College classes are subject to be billed to the high schools at a discounted rate.

# Credit for Prior Learning (CPL)

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

## American Council on Education (ACE)

RCC only accepts ACE credit recommendations for awarding military credit. Credits awarded based on ACE credit recommendations are considered Credit for Prior Learning (CPL). See the Military course credit section.

### 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 at www.roguecc.edu/Enrollment/Forms.

## **Placement Exams**

In addition to RCC's Placement Process <u>www.</u> roguecc.edu/placement-process, the following charts list additional information for transfer and new students.

#### 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. Submit official AP score reports from www.Collegeboard.org.

#### International Baccalaureate (IB)

IB credit can be earned in some high schools for college-level classes upon successful completion of the IB Exam. Submit an official IB score report from www.ibo.org.

## College Level Exam Placement (CLEP)

Students can receive credit for knowledge gained outside of a formal college environment. CLEP credit can be earned upon successful completion of the CLEP exam offered through College Board. See the CLEP chart for passing scores and recognized subject areas. Submit an official CLEP score report from <u>www.Collegeboard.org</u>. 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. Students submit official exam reports.

#### Industry Certifications Inservice Training credit

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

## Advanced Placement Exam chart

Advanced Placement Examination	Scores	Credits	Course
Art – Drawing	3+	3	ART131
Art - History	3	4	ART204
Art – History	4+	8	ART204, 205
Art – Studio – 2D	3+	3	ART115
Art – Studio – 3D	3+	3	ART276
Biology	3	12	BI101, 102, 103 w/lab
Biology	4+	12	BI211, 212, 213 w/lab
Calculus AB**	3	5	MTH251
Calculus AB**	4+	10	MTH251, 252
Calculus BC**	3	10	MTH251, 252
Calculus BC**	4+	15	MTH251, 252, 253
Chemistry	3	5	CHEM104
Chemistry	4+	15	CHEM221, 222, 223 w/lab
Chinese Language and Culture	3+	12	Humanities Elective
Comparative Government and Politics	3	4	PS201
Comparative Government and Politics	4+	8	PS201, 202
Computer Science A	3	4	CS160
Computer Science A	4+	4	CS161
Computer Science Principles	3	3	Meets Computer Proficiency
Computer Science Principles	4+	4	CS160
English Language and Composition	3+	4	WR121
English Literature and Composition	3+	4	ENG104
Environmental Science	3+	4	ENV111 + 1 credit non-lab Science Elective
French Language and Culture	3	12	FR101, 102, 103
French Language and Culture	4+	12	FR201. 202. 203
German Language and Culture	3+	12	Humanities Elective
Government and Politics (United States)	3	4	P\$201
Government and Politics (United States)	4+	8	PS201, 202
History (European)	3	4	Social Science Elective
History (European)	4+	8	Social Science Elective
History (United States)	3	4	HST201
History (United States)	4+	8	HST201, 202
History (World, Modern)	3+	8	HST104, 105
Human Geography	3+	4	GFOG110
Italian	3	12	Humanities Elective
Italian	4+	12	Humanities Elective
Japanese Language and Culture	3+	12	Humanities Elective
Larin	3+	12	Humanities Elective
Macro Economics	3+	4	FCON202
Micro Economics	3.	4	FCON201
Music Theory	3+	6	MUS111, 112
Physics 1	3	4	G\$104
Physics 1	4+	5	PH201 w/lab
Physics 7	3	4	G\$104
Physics 2	4+	5	PH202 w/lab
Physics C (Electricity and Magnetism)	3	5	PH202 w/lab
Physics C (Electricity and Magnetism)	4.	5	PH212 w/lab
Physics C (Mechanics)	3	5	PH201 w/lab
Dhysics C (Mechanics)	4.	5	DH211 w/lab
Darchology	3.	) h	
Spanish Language and Culture	3+	4	SDAN101 102 103
Spallish Literature and Culture	3.	12	U-manifies Elective
Statistics	3+	4	MTH243
Statistics	57	т	11111245

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

## International Baccalaureate Exam (IB) chart

International Baccalaureate Examination		Standard Level Exam Score of 4 or higher (except where noted)		High Level Exam score of 4 or higher (except where noted)	
Course	Credits	Course	Credits	Course	
Art History	4	Art History Elective	n/a	n/a	
Astronomy	4	G\$107	n/a	n/a	
Biology	4	BI211	12	BI211, 212, 213	
Business Management	4	BA101	4	BA101	
Chemistry	5	CHEM221	15	CHEM221, 222, 223	
Classical Languages	4	Humanities elective	12	Humanities electives	
Computer Science	4	CS161	8	C\$161, C\$162	
Dance	3	PE Elective	6	3 credits PE Elective 3 credits General Elective	
Design Technology	4	General Elective	4	General Elective	
Economics	4	ECON201	8	ECON201, 202	
Environmental Systems and Societies	3	ENV111	n/a	n/a	
Film	4	Humanities Elective	8	Humanities Elective	
Geography	4	GEOG110	6	GEOG110 and 2 credits Geography Elective	
Global Politics	4	Political Science Elective	8	Political Science Elective	
History	4	History Elective	8	History Elective	
Digital Society (formerly Information Technology in a Global Society)	4	Computer and Information Sciences Elective	8	Computer and Information Sciences Elective	
Language and Literature (English)	4	WR121	8	WR121, ENG104	
Language and Literature (other than English)	4	100 Level Foreign Language	12	100 Level Foreign Language	
Literature (English)	4	WR121	8	WR121, ENG104	
Literature (in language other than English)	4	100 Level Foreign Language	12	100 Level Foreign Language	
Language B (all languages except English)	4	100 Level Foreign Language	12	100 Level Foreign Language	
Literature and Performance	4	Humanities Elective	n/a	n/a	
Literature and Performance (in language other than English)	4	Humanities Elective	n/a	n/a	
Marine Science	4	GS108	n/a	n/a	
Math Studies (standard level only)	4	MTH105	n/a	n/a	
Mathematics	4	MTH111	9	MTH112, 251	
Mathematics: Further Math (higher level only)	n/a	n/a	14	MTH243, 251, 252	
Mathematics: Applications and Interpretation	4/8	Score of 4 MTH105 Score of 5+ MTH105, 111	8/12	Score of 4 MTH111, 243 Score of 5+ MTH111, 112, 243	
Mathematics: Analysis and Approaches	4/9	Score of 4 MTH111 Score of 5+ MTH111, 251	8/17	Score of 4 MTH111, 251 Score of 5+ MTH111, 112, 243, 251	
Music (Solo, Group or Composition)	3	MUS101	7	MUS101, 108	
Philosophy	4	Philosophy Elective	8	Philosophy Elective	
Physics	5	PH201	15	PH201, 202, 203	
Psychology	4	PSY201	8	PSY201, 202	
Social and Cultural Anthropology	4	ANTH110	4	ANTH110	
Sports, Exercise and Health Science	4	PE Elective	4	PE Elective	
Theater	4	Theater Elective	4	Theater elective	
Visual Arts	4	Art Elective	6	ART115, 131	
World Religions	4	REL201	n/a	n/a	

## College Level Exam Program (CLEP) chart

College Level Examination Program (CLEP) Credit	Scores	Credits	Course					
Composition and Literature								
American Literature	50	3	ENG199					
Analyzing and Interpreting Literature	n/a	0	No equivalent					
College Composition	n/a	0	No equivalent					
College Composition Modular	n/a	0	No equivalent					
English Literature	50	3	No equivalent					
Humanities	50	3	HUM199					
World Languages								
French Language, Level 1 Proficiency	50	8	FR101, 102					
French Language, Level 2 Proficiency	59	12	FR101, 102, 103					
German Language, Level 1 Proficiency	50	8	Humanities Elective					
German Language, Level 2 Proficiency	60	12	Humanities Elective					
Spanish Language, Level 1 Proficiency	50	8	SPAN101, 102					
Spanish Language, Level 2 Proficiency	63	12	SPAN101, 102, 103					
History and Social Science								
American Government	50	3	PS199 (Political Science Elective)					
History of the United States I: Early Colonialization to 1877	50	4	HST201					
History of the United States II: 1865 to the Present	50	4	HST202					
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 present	50	4	AAOT History Elective					
Science and Mathematics								
Calculus	50	5	MTH251					
Calculus	60	10	MTH251, 252					
College Algebra	50	4	MTH111					
College Mathematics	50	4	MTH105					
Natural Sciences	50*	9	Non-lab Science Elective					
Precalculus	50	8	MTH111, 112					
Biology	50	9	Non-lab Science Elective					
Chemistry	50	9	Non-lab Science Elective					
Business								
Information Systems	52	4	BA131					
Introductory Business Law	56	4	BA226					
Principles of Management	n/a	0	No equivalent					
Financial Accounting	50	4	BA211, 212					
Principles of Marketing	52	4	BA223					
*Score of 500 or above required prior to 1999.								

Emergency Medical Services; Fire Science, and 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.

#### Military course credit

Military course 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" and recommendations from department chairs. At least 3 credits of health and physical education are awarded for completing basic training. An Official Joint Services transcript must be submitted. At RCC, military courses are considered transfer credit.

### Portfolio credit

Some departments may allow credit for prior learning based on portfolio development and review, a process that allows students to demonstrate mastery to earn college credit for existing RCC classes by submitting a written portfolio as evidence of relevant experiential learning 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.

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 Vice President's List. To earn inclusion a student must complete all in one term at least 12 college-level RCC credits or more (numbered 100 or higher), that are graded A-F, and meet the following criteria: • President's List: 4.0 term GPA.

• Vice President's List: 3.5 term GPA.

Courses graded Pass/No Pass are not included in GPA calculations and do not count toward the 12 college-level RCC credit requirement for the honor rolls. See "GPA calculation" above.

# Institutional award of degrees and certificates

#### www.roguecc.edu/graduation

RCC will grant two-year associate degrees, one-year certificates, less than one-year certificates and career pathway 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 a major in their academic record accurately represents the degree or certificate they are pursuing. To attend the June Commencement ceremony, students must submit a graduation application by February.

## **Report cards**

www.roguecc.edu/myRogue

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

## Social Security disclosure statement

Oregon Administrative Rule 589-004-0400 authorizes RCC to ask students to provide their Social Security numbers. Numbers will be used by the college for reporting, research, recordkeeping, extending credit and collecting debts.

Numbers also will be provided by the college to the Data for Analysis (D4A), which is a group consisting 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 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, mailing address, telephone number and e-mail address.
- 2. Dates of enrollment.
- 3. Major field of study.
- 4. Awards, honors, certificate(s) and degree(s) conferred.
- 5. Participation in officially recognized college activities and sports.
- 6. Most recent educational agency or institution attended.
- 7. Academic credit information.
- 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 Student Affairs. 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 an individual student's directory information, Student Records 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 <u>StudentRecords@roguecc.</u> 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 file a written request with the Registrar or Designee to amend their student records.

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/Registrar.

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

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

## Student right-to-know Graduation rate

#### www.roguecc.edu/grad-rates

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 2016-17.
- 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.

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% graduated by the end of Winter Term 2019 (certificate seeking), or by the end of Spring Term 2020 (degree seeking)
- 22% transferred to another college or university.

# Tax credits for education

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

The 1098-T form and a detailed statement of charges and payments are available online at RCC's 1098T page. For questions about your 1098T form please email <u>1098T@roguecc.edu</u>. For additional information and FAQs, visit the 1098T FAQ page at <u>www.roguecc.edu/1098T</u>.

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 the IRS.gov website at www.irs.gov.

## Transcripts

Each transcript is a permanent record of all the student's academic accomplishments at RCC. It reflects all grades, including retaken courses, and degrees or certificates earned at RCC. Students may obtain a copy of their unofficial transcripts on myRogue at <u>www.</u> <u>roguecc.edu/myRogue</u>. Students also may order official transcripts from the Enrollment Services Transcript page at <u>www.roguecc.edu/</u> <u>transcripts</u>.

## Understanding college terms

#### Academic Alert I

Status given to students who do not meet Good Academic Standing Standards for the first time. Refer to "Academic Standing" in the policy section or RCC Academic Standing Standards page at www.roguecc.edu/enrollmentServices/

#### academicStanding.asp.

#### Academic Alert II

Status given to students who do not meet Good Academic Standing for the second consecutive term. Refer to "Academic Standing Standards" in the policy section or Academic Standing Standards page at www.roguecc.edu/enrollmentServices/ academicStanding.asp.

#### Academic Suspension

Status given to students who do not meet Good Academic Standing for the third or more consecutive term. Refer to "Academic Standing Standards" in the policy section or RCC Satisfactory Academic Standing (SAP) Policy page at www.roguecc.edu/

enrollmentServices/academicStanding.asp.

#### Academic Success classes

Credit classes are offered in basic reading, writing and math to prepare students for college-level courses. Students must go through a placement process 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<sup>®</sup> exams, learn English or prepare for college placement tests may receive assistance through basic skills programs.

#### Alpha Zeta Pi

A Rogue Community College honor society recognizing academic excellence.

#### 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 generaleducation requirements of a bachelor's degree. Upon admission to any public college in Oregon, students who have completed the AAOT (90 credits minimum) will qualify for junior standing. The AAOT degree does not guarantee that a student meets prerequisites for a particular major. The student may need additional coursework to be accepted into the major.

#### Associate of Applied Science (AAS)

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

#### Associate of General Studies (AGS)

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

#### Associate of Science (AS)

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

#### Academic Calendar

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

#### Academic Probation

Status given to students who, after returning to RCC after a suspension status, successfully pass 100% of their classes, but still do not meet good academic standing requirements. These students may enroll in classes for the upcoming term, so long as they successfully pass 100% of their classes with a C or better grade, they will remain in a Probation status until they meet good academic standing requirements.

#### Advanced Placement

Credit granted or eligibility for an advanced course based on the 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) degrees 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, CIS, CPL, DA, DDM, DS, ECE, EET, EMS, ES, FRP, HC, HS, MEC, MET, MFG, MT, NRS, PN, PRX, SRV, WLD. Most of these courses apply to RCC career and technical education degrees and certificates.

#### **College Now**

The College Now program allows high school students to earn college credit for free in selected high school classes at the same time they are earning credit toward their high school diploma. College Now courses are taught at the high school by high school teachers. These teachers work with RCC academic departments, including CTE, to align the content of the high school class with the rigor of the college class. Schools may apply college credit earned to the high school diploma.

#### **College Transfer Courses**

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

#### **Career Pathway Certificates**

Career Pathway 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 Pathway 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

Core classes are classes which all students in a major program are required to take.

#### Counselor

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

#### Credit

A unit of academic credit that represents the hours of class time per week; granted in recognition of coursework completed.

A one credit course offered as lecture or recitation format can range between 10 to 12 class hours per term. A one credit course offered as lecture/lab format can range between 20 to 24 class hours per term. A one credit course offered as lab or CWE format can range between 30 to 36 class hours per term.

#### Cumulative Pace (cPace)

Credit completion rate calculated by dividing cumulative credits completed by cumulative credits attempted.

#### Curriculum

Courses necessary to complete a 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."

#### Degree Audit

An individualized report that reflects a student's academic progress toward a specified certificate or degree.

#### 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.

#### Early College

A program where high school students attend college classes on one of the RCC campuses or online while still in high school. Courses are generally paid for by the high school or school district.

#### 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 October 1 of each year at www.FAFSA.gov.

#### Freshman Experience

For first-year freshmen and/or students who have not yet decided on a major.

#### 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.

#### **Good Academic Standing**

Students who have at least a 2.0 cumulative GPA (cGPA) and a 66.67% cumulative Pace (cPace) will be considered in Good Academic Standing. Students who are receiving financial aid must also meet the Maximum Time Frame requirement.

#### 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, and Z.)

#### Grant

Award based on financial need that does not require repayment.

#### Honor Roll

Student list based on a GPA calculation based on completion of six graded credits or more. (numbered 100 or higher), that are graded A-F in one term. President's List -3.75 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 "1" 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 and Thursday class.

#### Occupational Outlook

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

#### **Open Educational Resources (OERs)**

Open Educational Resources are teaching and learning materials that students may use, share and often adapt, without charge, and are made available in the form of low- or no-cost textbooks.

#### Oregon Student Aid Application (ORSAA)

The ORSAA is an alternative to the FAFSA for undocumented Oregon students, including students who have Deferred Action for Childhood Arrivals (DACA) status or temporary Protected Status (TPS). Available on October 1 each year at the Oregon Student Aid website.

#### Part-time Student

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

#### Placement Assessment

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

#### **Placement Process**

A variety of measures used to determine starting levels for students in reading, writing and math. This process may be completed based on college transcripts, placement test results from another college, qualifying SAT/ ACT scores, a placement assessment and more. Contact recruitment@roguecc.edu for more information.

#### Prerequisite

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

#### Program Map

List of courses necessary to complete a degree or certificate.

#### Quarter or 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 cumulative grade point average (cGPA) and successfully complete 66.67 percent of credits attempted, earning A, B, C, D, or P grades. Unsatisfactory progress may result in being placed on academic alert I or II, 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., CHEM104, CHEM105, CHEM106).

#### 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 WR121) 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 Affairs**

Registration, cashiering and financial aid services are available at one convenient location on each campus. Student Affairs handles all payments made by students including tuition, fees, and tuition installment plan payments. Below are all the departments within Student Affairs.

## Academic advising

To contact an advisor visit www.roguecc.edu/contact-advisor

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 students is provided through Ossie Fast Pass days held on campus. Visit <u>www.roguecc.edu/fast-pass</u> to register for an Ossie Fast Pass Day.

Advising for ABS students is available with faculty advisors through Zoom. To make an appointment, call 541-956-7490 and specify that you're calling for Advising, or email <u>ABS-Josephine@roguecc.edu</u> or <u>ABS-Jackson@</u> <u>roguecc.edu</u>. If you email, be sure to put "Advising help" in the subject line.

Career and technical education students and those who are program-ready (have a declared major or have completed or have a placement test score above RD90, WR115, and MTH60) should see their program advisors. Call the number listed for individual departments, which is included with specific program information on the Programs of Study link in this catalog at www.roguecc.edu/catalog2022-23.

Students enrolling in the following programs should speak with an advising case manager prior to start of first term in order to be connected with a faculty advisor right away:

- Apprenticeship, 541-956-7184
- Automotive Technology, 541-956-7140
- Computer Science, 541-956-7066 (Grants Pass) and 541-956-7127 (Medford)
- Dental Assistant, 541-956-9446
- Design and Digital Media, 541-956-7140 (Grants Pass) and 541-956-7127 (Medford)
- Diesel Technology, 541-956-7305
- Electronics Technology, 541-956-7305
- Emergency Medical Services, 541-956-7305
- Fire Science, 541-956-7415
- Industrial Welding Technology, 541-956-7335.

- Manufacturing/Engineering Technology, 541-956-7305
- Medical Office Assistant, 541-956-9446
- Pharmacy Technology, 541-956-9446
- Phlebotomy, 541-956-9446
- Science, 541-956-7140 (Grants Pass) and 541-956-7127 (Medford)

Students who are undecided about their majors or who are not yet program ready receive advising from an Advising Case Manager until they have selected an academic pathway.

### Access and Disability Resources

#### www.roguecc.edu/accessResources

- Redwood Campus, Wiseman Building Tutoring Center (summer only)
- Redwood Campus, L (Looking Glass) Building (fall, winter, spring)
- Riverside Campus Student Success Center Building, Room 25
- Table Rock Campus, A Building, Room 189 and 191

Access and Disability Resources 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.

Access and Disability Resources 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 also Accessible Technology Lab.

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

# Accesibilidad y Recursos para Discapacitados

www.roguecc.edu/accessResources

- Redwood Campus, centro de tutoría del edificio Wiseman (solo en verano)
- Redwood Campus, Edificio Looking Glass (L), centro de tutoría (otoño, invierno, primavera)
- Riverside Campus, Student Success Center, habitación 25
- Table Rock Campus, Edificio A, habitación 189 and 191

El departamento de Accesibilidad y Recursos para Discapacitados proporciona servicios de apoyo académico para asegurar que todos los estudiantes que califiquen para este servicio tengan igual acceso a la educación. Se requiere documentación para verificar la discapacidad y poder hacer los arreglos apropiados al tipo de discapacidad del estudiante.

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

El Laboratorio de Tecnología Adaptativa provee al estudiante de ayuda y evaluaciones por medio del acceso adaptativo a equipos y tecnologías.

Se sugiere que los estudiantes que supongan tienen una discapacidad, soliciten una cita para explorar la posibilidad de tener acceso a nuestros servicios.

### **Athletics**

athletics.roguecc.edu

The Rogue Community College Ospreys compete in the South Region of the Northwest Athletic Conference (NWAC). The college hosts men's soccer and women's volleyball.

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

If you would like to know how you can support or join the Ospreys, please visit <u>athletics.</u> roguecc.edu.

The Northwest Athletic Conference is the parent athletic organization for 36 community colleges located in Idaho, Oregon, Washington, and British Columbia. Visit www.nwacsports.org to learn more about NWAC.

## Counseling

www.roguecc.edu/counselingDept

- Advising Center "Looking Glass (L)" Building, Redwood Campus
- Student Success Center Building, Riverside Campus
- Student Success Center, A Building, Table Rock Campus

RCC provides comprehensive counseling services to assist students with education and career plans and with personal or social concerns. Licensed professional counselors are available and offer the following services on a limited drop-in basis and by appointment:

- Crisis intervention.
- Conflict resolution.
- Career and life planning.
- Career, job market and scholarship information.
- Early intervention for academic success.

#### Career counseling and planning

Students may receive career counseling and planning assistance. Computerized information on careers, job market information, and related training programs are also available from Counseling.

The RCC website provides useful career exploration resources. Student Employment Services provides assistance and information for resume writing, interview skills, and job search tools.

#### Retention or crisis counseling

College students often experience challenges coping with stress. Meeting with a counselor may help with the demands of college. Counselors provide professional counseling 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. Support groups for specific populations are also available. Please contact Counseling for more information. 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 other resources.
- To cope with loss or grief.
- To cope with changes and issues brought on by COVID.

#### Counseling FAQs

#### Are services confidential?

RCC Counseling follows the ethical and legal

standards of the state of Oregon, which insures confidentiality except in the following situations:

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

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

Rogue Community College encourages students to make an appointment with the Counseling department and talk to a Counselor who can help a student decide if counseling is needed. 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 are not 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 the Meet the Counselors page at <u>www.roguecc.edu/counselingDept/counselors.asp</u>.

#### What other services are offered?

- Assistance with grade appeals.
- Conflict mediation.
- Human development and career guidance courses.
- Student complaint and grievance support.
- Substance abuse referrals.
- Title IX reporting support.

### **Enrollment Services**

#### www.roguecc.edu/EnrollmentServices

- Student Affairs Building, Redwood Campus, 541-956-7427
- Table Rock Campus, A Building, Room 187, 541-956-7427

Enrollment Services is responsible for Student Records and Registrar office functions, such as enrollment and degree verifications, transcripts, grades, degree audits, transfer and military credit evaluations, graduation, conferring degree and certificates, providing myRogue portal support, answering registration questions, and family education rights and privacy act (FERPA) compliance.

## **Financial Aid**

#### www.roguecc.edu/FinancialAid

Visit RCC's Applying for Financial Aid webpage at <u>www.roguecc.edu/RCCfinAid/apply.</u> <u>asp</u> for information about the financial aid application process.

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 webpage (above), email Financial Aid Advising at <u>FinAidAdvising@</u> <u>roguecc.edu</u>, or stop by the Advising Center at these locations:

- Welcome Center, Redwood Campus Grants Pass
- Student Success Center, Riverside Campus - Medford
- Room 187, Table Rock Campus White City

Contact the Financial Aid Office by mail: 3345 Redwood Hwy., Grants Pass, OR 97527; by FAX: 541-471-3585 or by email: <u>FinAidAdvising@roguecc.edu</u>.

Watch your RCC Student Email for award letters, requests for information, and other information about your financial aid.

#### 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<sup>®</sup>).
- Admitted to the college.
- Enrolled in and working toward the completion of an eligible certificate or degree program (see Satisfactory Academic Progress policy at <u>www.roguecc.edu/enroll-mentServices/sap.asp</u>).
- Not in default or do not owe a repayment of federal financial aid.
- Can demonstrate applicable need for financial assistance.

Eligibility for state aid generally follows federal rules, except for undocumented residents who may apply for state grants with an Oregon Student Aid Application (ORSAA) at <u>oregon-</u> <u>studentaid.gov/apply-here.aspx</u>. Eligibility requirements differ for various types of aid, and awards may also be limited to the availability of resources.

#### How to apply

- Complete one annual Free Application for Federal Student Aid (FAFSA or Renewal FAFSA) for the academic year. Online applications are available at <u>www.fafsa.gov</u>. A hard-copy application is available by calling 1-800-4FEDAID. The RCC federal school code is #010071. (Undocumented Oregon residents may complete an ORSAA in lieu of the FAFSA for state aid.)
- RCC recommends submitting an 2. annual FAFSA on or as soon as possible after October 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. If your FAFSA is federally processed after you are no longer eligibly enrolled, you won't qualify for any financial aid for that academic year. If enrolled at RCC when your FAFSA is federally processed and it's selected for verification, all required documents must be submitted to RCC FinAid one week prior to the end of your enrolled term to be considered for a Financial Aid Award Offer.
- 3. Complete and return any requested documents right away. Applicants will be notified of financial aid eligibility per an official Financial Aid Award Offer, both issued by RCC in good faith and based on information available at the time. Recipients must review and accept the Conditions of Accepting Financial Aid which includes policies such as Satisfactory Academic Progress and Return of Title IV prior to accessing their award letter.
- 4. Students interested in part-time work and/or student loan options may apply once the Financial Aid Award Offer is issued and prior to term application deadlines. The loan application process opens in June prior to the start of the academic year. More information about these programs and application deadlines is available from Financial Aid Advising and on the RCC website on the Financial Aid webpage at www.roguecc.edu/enrollmentServices/ sap.asp.

#### Where's the aid?

"Disbursement" is the process where your financial aid funds are applied to your stu-

dent account to pay your tuition, fees, and other authorized charges. The disbursement process generally begins the 2nd Wednesday of each term. If your financial aid exceeds your account balance, a refund will be processed by the Business Office beginning the second Friday of each term with BankMobile Disbursements, a technology solution, powered by BMTX, Inc. Select your preferences at the BankMobile Disbursements Refund Choices website to avoid delays to your refund. For questions visit www.bankmobilevibe.com.

#### Return of Title IV funds policy

In the event you drop all your classes (official withdrawal), stop attending your classes (unofficial withdrawal), or receive all F grades, RCC must calculate how much aid was unearned and you may owe a repayment of your financial aid award offer. The RCC Financial Aid office will contact you with information about the amount you may owe. You are responsible for arranging repayment with the RCC Business Office and/or your federal loan servicer (if applicable). Repayments and overdue account balances may make you ineligible for enrollment and future financial aid until it is resolved.

## How to get and keep financial aid

- Be admitted to RCC and declare an aid-eligible major.
- Enroll in courses that satisfy graduation requirements for your major(s).
- Attend classes.
- Maintain satisfactory academic progress (SAP) for financial aid recipients. Any time you earn at least an associate degree, future financial aid access will be through a Credit Extension Appeal process.

Aid will be adjusted each term to match your aid-eligible enrollment level as of the drop deadline.

RCC defines term enrollment levels as follows:

Full-time, 12 or more aid-eligible credits.

Three-quarter-time, 9-11 aid-eligible credits.

Half-time, 6-8 aid-eligible credits.

Less-than-half-time, 1-5 aid-eligible 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 through 60 percent of the term, or documented institutional error.

#### 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.

A student is considered to be in good academic standing and making satisfactory academic progress (SAP) if the student maintains:

- 1. At least a 2.0 cumulative grade point average (cGPA) and
- At least a 66.67% cumulative credit completion rate (cPace) by completing credits attempted and earning A, B, C, D, and P grades. Calculated by dividing cumulative earned credits by cumulative attempted credits and
- Can complete their program of study within the 150% maximum timeframe, calculated by taking program credit length and multiplying that by 150%.

For more information, see the RCC Satisfactory Academic Progress policy.

#### Dual enrollment (Degree Partnership Program or DPP)

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 your combined credit load. For consideration, submit a DPP Form at the beginning of the term. Forms are available at RCC's Financial Aid Forms page at www.roguecc.edu/RCCfinAid/forms.asp.

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

#### Types of financial aid

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

- 1. Grants and scholarships are awards that generally do not require repayment.
  - Federal Pell Grants of up to 150 percent of \$6,895 annually are disbursed for up to four quarters. 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.
- The Office of Student Access and Completion (OSAC) helps Oregon students pursue their college and career goals. OSAC offers scholarships and grants for students, including the Oregon Opportunity Grant and Oregon Promise Grant. They oversee the Oregon Student Aid Application for DACA students and undocumented students. For additional information, go to <u>www.oregonstudentaid.</u> gov.
- 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 (foundation. roguecc.edu) provides numerous scholarship opportunities. In addition, RCC maintains an online 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. Go to the RCC Foundation's Scholarship page for more information.

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

- 2. Part-time student work programs administered through RCC Student Employment Services.
  - Wiseman Building, Redwood Campus, Grants Pass, 541-956-7091
  - Student Success Center, Riverside Campus, Medford, 541-956-7091
  - A Building, Room 217, Table Rock Campus, White City, 541-956-7091

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 \$1,300 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, see Student Employment Services.

3. Federal Direct Loans (FDL) represent student debt that must be repaid with fees and interest. At least half-time, aideligible program enrollment is required. To monitor your student loan portfolio, visit the National Student Loan Data System website at <u>www.nslds.ed.gov</u>. Use your Social Security number, date of birth, last name, and federal PIN to access information.

RCC offers subsidized and unsubsidized Federal Direct Loans (DL).

- Subsidized DL eligibility is based on budgetary need and is awarded up to annual maximums based on dependency status and grade level. Interest is charged only after the borrower is no longer enrolled at least half-time.
- Unsubsidized DL eligibility is not based on financial need. Aid can be awarded up to the lesser of annual maximums based on dependency status and grade level or budgetary need (cost of attendance less aid and resources). Interest is charged to the borrower from the date of disbursement and may be paid quarterly, upon request, to avoid capitalization.

Rogue Community College accepts an annual Loan Request/Revision Form after a Financial Aid Award Offer has been issued and before the term's application deadline. The deadline is published on the Loan Request/Revision Form found on RCC's Financial Aid Forms page at www.roguecc.edu/ RCCfinAid/forms.asp.

A complete loan application includes online loan-entrance counseling for first-time borrowers, a Loan Request/ Revision Form and an active Master Promissory Note (MPN), which must be on file with the U.S. Department of Education. Borrowers may reduce or cancel a loan up to 14 days after disbursement or pre-pay anytime without penalty. Per HEA, sec. 479 (a)(c), 34CFR 685.301 (a)(g), RCC has the right to refuse or limit origination on a case-by-case basis.

4. Students who need more financial aid than RCC determines they are eligible

for can pursue scholarship opportunities. Alternative educational loans may be available after all federal aid is exhausted, but these loans come at a higher cost, often require a co-signer to qualify and are not federally regulated. Consumers should carefully review terms and conditions. For more information, contact Financial Aid Advising. 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 Budget Revision Request to your Financial Aid Advisor along with all requested supporting documentation.

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

## **Tuition awards**

#### Active Duty Members Tuition Awards

 National Guard/Selected Reserves Tuition Assistance (through the ArmyIgnitED website at www.armyignited.com/app/)

www.armyignited.com/app/)

The Tuition Assistance (TA) program provides financial assistance for voluntary off-duty education programs in support of a soldier's professional and personal self-development goals. TA is available for courses offered in the classroom or by distance learning and is part of an approved academic degree or certificate program. The courses must be offered by schools registered in ArmyIgnitED, are accredited by accrediting agencies that are recognized by the U.S. Department of Education and are signatories to the current Department of Defense Memorandum of Understanding (DOD MOU).

All eligible soldiers will request TA through ArmyIgintED. You may contact Ann Browning at 503-584-3434, or ann.browning@us.army.mi.

• Oregon National Guard State Tuition Assistance (ONGSTA)

ONGSTA tuition assistance is offered through Higher Education Coordinating

Commission (HECC) for the state of Oregon. Eligible Oregon National Guard members can use the Oregon National Guard State Tuition Assistance (ONGSTA) for undergraduate degree and certificate programs at Oregon community colleges, public universities, Oregon Health and Science University (OHSU), and eligible post-secondary private institutions. The program will provide funding for in-state residency tuition rates for Oregon's community colleges (up to 90 quarter credits), public universities, and OHSU (up to 180 quarter credits). For eligible private postsecondary institutions (up to 180 quarter credits or 120 semester credits), tuition will fund up to the average base in-state resident tuition rate of the seven Oregon public universities.

#### • 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.

More information is available from RCC Veterans Coordinators. The DFOSM Tuition Award form is available on the RCC Financial Aid Forms page.

#### Displaced Worker Tuition Award

Available to residents of RCC district who has been terminated or received notice of termination as a result of a plant closure or lay off within the disctrict and within the last calendar year. The tuition award waives up to 6 credits of tuition when students register for at least 12 credits in their first term of enrollment at RCC. More information is available from RCC Enrollment Services office. The Displaced Worker Tuition Award form is available on the RCC Financial Aid Forms page.

#### Lifelong Learner Tuition Award

Senior tuition discount available to Oregon residents, ages 62 years and older who audit up to 8 credits of eligible classes per term. Students using the lifelong learner tuition discount do not receive credit for the classes and do not pay tuition for up to 8 credits, but are responsible for course fees, books, and supplies. Only lower-division collegiate classes (numbered 100 level or higher) are eligible for the tuition discount. Career-technical courses with the following course prefixes are not eligible for the tuition discount: AH, AM, APR, BT, CPL, DA, DS, ECE, EET, EMS, ES, FRP, HC, HS, MEC, MET, MFG, MT, NRS, PN, PRX, SRV, and WLD. More information is available from RCC Admission and Recruitment office.

#### **Financial Literacy**

Rogue Community College has contracted for student loan default prevention assistance and financial literacy information for our students, as follows:

13's "IonTuition" platform, specializing in helping student loan borrowers navigate repayment as well as providing financial literacy resources to the college community. For more information borrowers can call 855-456-2656 (toll-free). For more information, see the IonTuition FAQ page at www.iontuition.com/FAQs.

## Graduation

## www.roguecc.edu/graduation

#### • Enrollment Services, 541-956-7427

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 the Enrollment Services Forms for Students page at <u>www.</u> <u>roguecc.edu/Enrollment/forms.</u>

Students who completed their programs at the end of an academic term during the year prior to commencement and those who will complete requirements during the summer term after commencement are invited to participate in the ceremony. Graduation with honors is based on a 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 six to eight weeks after final grades are available for verification. Diplomas will be mailed to students' addresses on file with the college.

# Graduation requirements

To receive a state-approved degree or certificate from Rogue Community College, students must successfully complete the appropriate coursework with a minimum of "C" or "pass" and meet the following standards:

• General Education Requirements (applies to degrees, certificates and career pathways certificates).

- Fulfill requirements listed on a program map. The college may elect any set of catalog requirements for a student to complete from the year a student begins a program through the current year.
- Students must have a minimum cumulative GPA or 2.0 at the time the Associate of Arts Oregon Transfer or Associate of Science Oregon Transfer degree is awarded.
- Students must have a 2.0 GPA based on the RCC courses completed toward their Associate of Science or Associate of Applied Science degree or certificate.

## 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 advising case manager about available catalog year options.

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

## Graduation residency requirement

Students must earn a minimum of 24 credits toward the degree at RCC to earn a two-year degree, a minimum of 12 credits toward a certificate at RCC to earn a one-year certificate, or at least 25 percent of total credits toward a less than one-year certificate or a career pathway certificate. The remainder of credits required to graduate may be transferred from an accredited institution or earned through credits for prior learning. No more than 25 percent of a programs credits may be earned through credit for prior learning.

# Human Development and Career Guidance

Human Development offers a variety of classes for students and community members, aimed at building personal skills and overcoming barriers to college and life success. Some offerings are:

- CG100, College Success and Survival. A tuition-free, 2-credit class that provides information about RCC programs, choosing a major and a career, and strategies for academic success.
- CG105, Scholarship Essay Writing. A 1-credit class that can help students write winning scholarship essays.
- CG111, Study Skills for Math Success. Offers study tips, test taking strategies, and tools for anxiety reduction.
- CG140, Career Development. Provides tools for making informed career decisions.

### Latino Services

www.roguecc.edu/LatinoServices

#### Latino Outreach and Recruitment

RCC Latino Outreach & Recruitment provides additional support for prospective and current Latinx students. Staff support students with the enrollment process, transitioning into college, and throughout their college experience.

#### Be Beca Ready workshops

Workshops designed to help Latinx students apply for scholarships. Students will receive help with the scholarship application process including their essay questions.

#### Educación, un Mundo de Oportunidades (EMO)

EMO is a nonprofit one-day educational conference designed to assist Latino high school juniors and seniors from Jackson and Josephine counties. The purpose of this conference is to motivate youth on ways to overcome barriers, realize the dream of going to college and become their own success story. The conference provides relevant information about postsecondary education through encouraging speeches from keynote speakers, community members and current RCC students.

#### Helping Oregon Latinos Advance (HOLA) Summer Bridge Program

www.roguecc.edu/HOLA

The HOLA Summer Bridge Program is an

annual, multi-day event hosted in September designed to help Latinx students transition into Rogue Community College. This program is intended to orient new Latinx students to college, helping them research pathways, identifying ways to pay for college, and learning strategies to be successful college students.

### Southern Oregon Latino Scholarship Fund

#### www.solsf.org

The Southern Oregon Latino Scholarship is open to students from Josephine, Jackson, and Klamath Counties. This scholarship provides opportunities for Latinx students living in the Southern Oregon region to complete their post-high school career/degree goals. This scholarship's primary aim is to build leadership in our region's communities.

## Servicios Latinos

www.roguecc.edu/LatinoServices

#### Latino Outreach and Recruitment

RCC Latino Outreach and Recruitment ofrece ayuda adicional para los actuales y futuros estudiantes Latinx. El personal de RCC ayudara a estudiantes con el proceso de inscripción, y la transición al colegio.

#### Be Beca Ready Workshops (Taller De Becas)

Taller diseñado para ayudar a estudiantes Latinx que quieran aplicar a becas. Estudiantes van a recibir ayuda para llenar la solicitud de becas y ayuda con sus ensayos.

#### Educación, Un Mundo de Oportunidades (EMO)

EMO, presentará por un dia solamente, una conferencia educativa para ayudar en los condados a estudiantes latinos de los grados 11 y 12. Esta conferencia tiene información relevante sobre la educación post secundaria y otros recurso valiosos para lograr el éxito en la Universidad y educación más avanzada.

#### Ayudando a Los Latinx de Oregon a Progresar (HOLA) Programa de Verano

El programa HOLA Summer Bridge es un evento anual GRATUITO diseñado para ayudar a los estudiantes Latinx a ingresar en Rogue Community College. El objetivo de este programa es ayudar a aumentar la preparación universitaria. La clase de una semana incluye Aprender a ser un estudiante universitario, investigar los especializaciones y carreras de la universidad / colegio, y identificar cómo conseguir dinero gratis para su educación.

#### Beca para Latinos del Sur de Oregón

https://jocoeducationalfund.org/student-scholarships/southern-oregon-latino-scholarship-fund

La Beca para Latinos del Sur de Oregón está abierta a estudiantes de los condados de Josephine, Jackson y Klamath. Esta beca brinda oportunidades para que los estudiantes latinos que viven en la región del sur de Oregón completen sus metas de carrera/ título después de graduarse de la escuela secundaria. El objetivo principal de esta beca es desarrollar el liderazgo en las comunidades de nuestra región.

## **Military Services**

www.roguecc.edu/Veterans

Military Services Mission Statement: Rogue Community College (RCC) Military Services provides a safe and professional environment for our veterans, dependents, families, active duty members, college community, and external partners by assisting students to achieve their educational and career goals. The staff seeks to guide, mentor, and advise Military Students as they navigate higher education, select a career goal, complete college, and move into a professional career.

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

#### Transcripts

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

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

#### Getting started at RCC

For information about starting at RCC and obtaining Veterans Educational Benefits, visit the Military Services Getting Started as a GI Bill\*Student website at <u>www.roguecc.</u> <u>edu/Veterans/gettingStarted.asp</u>. The website will give you step by step instructions. If you have questions on how to get started at RCC, please contact our Military Coordinator on the Redwood or Table Rock campuses. RCC offers military students assistance with the GI Bill<sup>®</sup> application process, priority registration, Boots to Books Orientation training, a military students college success class, campus Military Resource Centers (MRC), and VA Work-Study opportunities. Our Military Coordinators will help you make the transition from service member (and dependent) to a successful RCC student and graduate.

#### Apply for your Veterans Benefits

Visit <u>www.va.gov/education/how-to-apply/</u> to apply for your Veterans Educational Benefits.

When you receive your Certificate of Eligibility (CofE), please see a Military Coordinator who will complete your Enrollment Certification Form 1999 and forward it to the VA for processing. Military Coordinators at RCC are unable to determine a student's eligibility for benefits. GI Bill<sup>®</sup> students are welcome to access Military Coordinators prior to receiving their CofE or Enrollment Certification (Form 1999) for planning purposes.

## Boots to Books GI Bill® Military Student Orientation

Military Services at RCC assists GI Bill®students who are utilizing their educational benefits to attend college. The Boots to Books orientation for new GI Bill® students is 30 minutes and mandatory when beginning at RCC. You will learn how to access benefits specific to your chapter, how to navigate the college systems, and find resources to compliment your college experience. Visit the Military Resource Center (VRC) to sign up.

#### CG100V College Success for Student Veterans

Rogue Community College's (RCC) CG100V (Student Veterans' College Success & Survival) class for student veterans provides straightforward guidance for GI Bill<sup>®</sup> students, veterans, and active duty members looking to earn a degree.

CG100V is a term-long, two-credit class. This course is tuition and fee free for all GI Bill<sup>®</sup>student, veterans, and active duty members. Topics include:

- The differences between military and college culture.
- Developing effective, efficient study habits.
- Career identification and degree planning.
- Managing finances and maximizing benefits.
- Cultivating the skills employers are seeking.

## Military Resource Centers (MRC)

- Redwood Campus Student Center Building, 541-956-7289
- Table Rock Campus, A Building, Room
   150

#### **MRC Mission Statement**

At Rogue Community College our Military Resource Centers (MRC) are committed to assisting active military students, veterans, dependents and spouses to transition successfully from the military environment to campus life as they learn to navigate through the education process and progress toward completing their academic degree. Assistance includes:

- Financial aid and disability services.
- GI bill application.
- Peer-to-peer support.
- Campus and RCC website navigation.
- Scholarship applications.
- myRogue student portal assistance.

MRCs offer active military students, veterans, dependents and spouses, a collaborative and cooperative environment for every branch and era of service.

#### Priority Registration for GI Bill® students, active duty members, and veterans

GI Bill<sup>®</sup> students are given a one day priority registration for courses at RCC. RCC proudly complies with House Bill 2565, offering eligible student veterans and current military service member's (including spouses & dependents) priority registration for each term.

## Veterans Access, Choice, and Accountability Policy

The following individuals shall be charged the in-state rate, or otherwise considered a resident, for tuition and fees purposes:

- A veteran using educational assistance under either chapter 30 (Montgomery GI Bill\* - Active Duty Program) or chapter 33 (Post-9/11 GI Bill\*), of title 38, United States Code, who lives in Oregon while attending a school located in Oregon (regardless of the student's 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<sup>®</sup> benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of the student's 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 described above while remaining 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 or release as described above and must be using educational benefits under either chapter 30 or chapter 33 of title 38, United States Code.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b) (9)) who lives in Oregon while attending a school located in Oregon (regardless of his or her formal State of residence).
- Anyone using transferred Post-9/11 GI Bill<sup>®</sup> benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of the student's formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
- The policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679(c) as amended.
- Federal and State Laws Protect Military Students on Orders: In 2010, the Department of Education published regulations implementing the Higher Education Opportunity Act of 2008. The regulation, 34 Code of Federal Regulations (C.F.R) section 668.18, went into effect July 1, 2010. The law is codified under 20 United States Code (U.S.C.) Section 1091c. The law and regulations accord the postsecondary education student whose education was interrupted by voluntary or involuntary military service the right to readmission to the educational program. These requirements apply to any educational institution that participates in Title IV Federal Student Financial Aid Programs, including Pell Grants, Stafford Loans, and the Federal Work-Study Program.

# RCC Mobile App for Students

#### www.roguecc.edu/studentLife/campusApp. asp

Rogue Community College offers a free social media app for mobile devices that allows RCC students to easily communicate with each other, get important messages from departments and clubs, access myRogue, keep up with campus events, explore maps and college services, and more.

To download the RCC app, search "Rogue Community College" in the Apple App Store or Google Play. Find links on the web at: <u>www.roguecc.edu/studentLife/campusApp.</u> <u>asp.</u>

## Student Employment Services

www.roguecc.edu/studentEmployment/

#### Looking for on-campus employment?

Student Employment Services offers support and assistance to students seeking on-campus employment. On-campus student employment is available to students enrolled in six or more credits with a 2.0+ cumulative GPA. Join the team today and reap the rewards of on-campus employment!

- Advance toward your career goals.
- Flexible schedule that supports you being a student first.
- Prepare your application materials and hone interviewing skills.
- Great opportunity to network within the RCC community.
- Learn applicable on the job skills and competencies.

For open positions, please visit the Employment page of the RCC website at <u>www.schooljobs.com/careers/roguecc</u>.

## Student life

#### www.roguecc.edu/studentLife/

Student Life at RCC provides opportunities for students to develop and strengthen leadership skills and gain experiences that enhance the student experience and the college community. Opportunities include student government, student activities, athletics, student clubs, honor society and more. Check out the links below for more information on ways to engage with the RCC community!

#### Associated Student Government

#### www.roguecc.edu/studentLife/ASGRCC.asp

The Associated Student Government of Rogue Community College (ASGRCC) is the voice for the student body and acts as a liaison for the students to the Administration, Staff and Faculty. The ASGRCC Executive Council appoints student leaders including, but not limited to: student body president and vice president of governance; director of publicity and media; director of clubs and organizations and activities; and director and vice president of student engagement. Student government leaders receive a stipend for their services to the student body and the college at large.

Student Government coordinates student activities that promote student engagement and leadership, maintains campus clubs and organizations. ASGRCC keeps abreast of legislative and political issues and strives to create and maintain an atmosphere of open discussion and inclusion.

#### **Athletics Department**

#### athletics.roguecc.edu

The Rogue Community College Ospreys are a member of the Northwest Athletic Conference (NWAC). As a member of the south region of the NWAC, RCC hosts men's and women's soccer and women's volleyball. RCC team colors are royal blue and kelly green. For more information or to apply as an athlete, go to RCC Athletics website. Go Ospreys!

#### **Clubs and Organizations**

#### www.roguecc.edu/studentLife/clubs.asp

The Associated Student Government of Rogue Community College (ASGRCC) works to serve students through clubs and student engagement. ASGRCC works to connect existing clubs with RCC Guided Pathways and encourages RCC students to charter new clubs based on student interests. ASGRCC is intentional about providing access to resources for students, and clubs are a primary avenue for students to access college resources and unite students together for the common goal of creating a safe, successful, and welcoming educational environment.

The ASGRCC Executive Council appoints officers including, but not limited to: student body president and vice president of governance; director of publicity and media director of clubs and organizations and activities; and director and vice president of student engagement. Student government officers receive a stipend for their services to the student body and the college at large. Positions may vary by campus.

#### Honor Society (Alpha Zeta Pi)

#### www.roguecc.edu/AZP

Academic excellence is the primary hallmark of Alpha Zeta Pi along with service and leadership opportunities. Candidates are identified each term and invitations to join are sent to candidates meeting the following criteria:

- 3.65 cGPA on the 4.0 scale
- Completed 24 transferable credits (May include professional/technical credits 100+)
- Enrolled in 8 or more credits
- Only one "W" on transcript within a two term period

Member benefits include:

- Apply for Alpha Zeta Pi scholarships
- Honor society notation on RCC transcript
- Recognition at graduation
- Leadership and service opportunities
- Utilize membership on other academic and professional applications
- · Certificate of recognition

#### Math Marvels @RCC

#### www.roguecc.edu/math-marvels

Math Marvels offers additional math support to students enrolled in MTH60 and MTH243R to include access to individualized math tutoring, advising, support labs, and financial incentives. Additionally, students placed into MTH20 have the opportunity to leap ahead by enrolling in our MTH60 Support Lab and a MTH60 course. Full program details and eligibility requirements are available on our website. Participation in Math Marvels @RCC is free, but students must complete our application available on our website.

#### TRIO programs TRIO Educational Opportunity Center (EOC)

#### www.roguecc.edu/TRIOEOC

The TRIO EOC provides information and assistance on all aspects of FAFSA and college admissions to prospective students who want to enter or continue a program of postsecondary education. Serving Jackson and Josephine counties, TRIO EOC provides services free of charge to participants including:

• FAFSA completion assistance

- Assistance in completing admissions applications
- Pre-college testing assistance
- Assistance with scholarships
- Financial aid workshops
- College research

Eligible participants must be a U.S. citizen, national, or permanent resident with an alien registration number.

#### TRIO Educational Talent Search

#### www.roguecc.edu/TRIOETS

The TRIO Educational 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.
- Assistance with pre-college test preparation.
- College application and test fee waivers.
- Visits to Oregon colleges and universities.
- Exposure to cultural events and volunteer opportunities.

Eligible participants must be a U.S. citizen, national, or permanent resident with an alien registration number.

#### University Transfer - TRIO Student Support Services

www.roguecc.edu/TRIOSSS

University Transfer – TRIO Student Support Services assists RCC students who intend to transfer to a four-year institution and complete a bachelor's degree. Students receive enhanced support at no additional charge as they successfully complete RCC courses and prepare to transfer.

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

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

Services provided by University Transfer – TRIO SSS:

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

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

## 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 https://sos.oregon.gov/voting-elections.

## Academic Success Centers

#### www.roguecc.edu/tutoring

- Wiseman Center, Redwood Campus, Grants Pass, 541-956-7340
- Student Success Center Building, Riverside Campus, Medford, 541-956-7213
- Learning Resource Center, A Building, Table Rock Campus, White City

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 schedules, check the website given above.

RCC also has an online tutoring service for all RCC credit students. Visit the tutoring pages on the RCC 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.

Tutoring is offered online also and can be accessed by logging into your RCC myRogue account.

## Activities calendar

#### www.roguecc.edu/Calendar

College events and activities may be included on the RCC calendar on the college website. Community members may submit event information that would be of interest to RCC students and staff through the online form. Go to the RCC Calendar website at www.roguecc. edu/Calendar and select "Submit an Event." RCC employees add the details of the event and publish to the calendar in their 25Live room reservation. Events may also be viewed on the Rogue Connect campus app and the RCC Facebook page. Allow two to three days for the information to be posted.

# Accessible technology lab

#### www.roguecc.edu/accessResources

- Tutoring Center, Wiseman Building, Redwood Campus (L Building summer term only)
- Student Success Center, Room 25, Riverside Campus
- Building A Room 189, Table Rock Campus

The Access and Disability Resources Accessible Technology Lab provides computer access and assistive technology for students who experience disability. Access and Disability Resources also coordinates academic accommodations for eligible students with disabilities. Refer to "Access and Disability Resources" in this catalog.

## Art gallery

www.roguecc.edu/Galleries

#### Welcome Center Gallery

Redwood Campus, 3345 Redwood Hwy., Grants Pass

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.

#### RCC/SOU Higher Education Center art exhibits

#### www.rcc-sou.org

101 S. Bartlett St., Medford

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 provided by Allpoint are available in the following locations:

- Redwood Campus, Student Center.
- Table Rock Campus, Student Entry Commons.

The Allpoint ATMs provide fee-free withdrawals or balance inquiries for students with BankMobile Vibe cards. The Allpoint ATM locator may be found at <u>http://www.allpointnetwork.com/locator.aspx</u>. Call 800-809-0308 option 2 to access the voice assistance ATM locator.

Problems with an ATM should be reported by calling 800-948-5884.

### 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.

## **RCC Online Bookstore**

www.rogueccbookstore.com

#### bookinfo@roguecc.edu

Students may purchase texts and required supplies through RCC's bookstore partner, Ambassador. The online bookstore (<u>www.</u> <u>rogueccbookstore.com</u>), offers 24/7 shopping and convenient home delivery. RCC does not have a walk-in bookstore.

Students gain access to the Online Bookstore using the same username and password as their RCC student email accounts and RCC Blackboard account.

- Click the Log In button
- Your username is your RCC student email: Enter your RCC student email address (e.g., <u>ossieOsprey.4567@student.roguecc.</u> <u>edu</u>)
- Click Next
- Enter your password. If you have never logged into the Online RCC Bookstore, Blackboard or your RCC student email account, then your default password will be the number 0 plus your 7-digit college ID. For example if your RCC college ID is 123-4567, then your default email password will be: 01234567
- Click Sign in
- If asked to Stay Signed In? Choose either Yes or No. It doesn't matter which
- You should now be signed into the bookstore

#### Don't know your student email address?

- Login to your myRogue to find your RCC student email address
- Once you are logged into your myRogue account your RCC email will be displayed in the center of the screen below your ID number and Name.

#### **Open Educational Resources**

To help students afford college, RCC aggressively pursues Open Educational Resources (OERs). OERs are teaching and learning materials that students may use, share, and often adapt, without charge. Most OERs have been created by educators and funded by colleges and universities. Students may access the materials online at no cost or purchase a low-cost print version. Classes using OERs are clearly designated as low- or no-cost in the online schedule of classes.

## Are eBooks or rentals available?

Yes! eBooks and rentals are available for some items. Students are encouraged to look for

these less expensive options when selecting their texts.

#### **Buyback**

Buyback is available through the Online Bookstore. Buybacks are based on anticipated future national demand for a book and current stock level.

#### Returns

For return of items purchased please visit the Return Policy page on the bookstore website.

#### **Other Questions?**

Please see the FAQ page on the bookstore site at <u>www.rogueccbookstore.com</u>.

# Bulletin boards and posting

Third party flyers and other materials wished to be posted on RCC bulletin boards must be stamped with approval from the corresponding office below:

- Redwood Campus, Welcome Center, 541-956-7187
- Riverside Campus SSC, Welcome Center 541-956-7353
- RCC/SOU Higher Education Center, 541-552-8100
- Table Rock Campus, Building A, Room 127, 541-956-7101

#### **Bus service**

#### www.roguecc.edu/bus

Regularly scheduled bus service in Grants Pass, White City and Medford is available to RCC students with a current student ID and/or a bus pass purchased for the term. Transportation in Josephine County is provided by Josephine Community Transit. The service picks up and transports students to the Redwood Campus near the library. The Rogue Valley Commuter Line operates between Grants Pass and Medford with transfers available to stops in the Medford, White City and Ashland areas. Call 541-474-5452 ext. 2 for more information.

In Jackson County, Rogue Valley Transportation District provides bus service. The service picks up students at the downtown transit center in Medford and the Table Rock Campus.

## **Check cashing**

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

# Community resources

#### www.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.

## Mental Health Emergencies 911

24-hour crisis line hotline, Jackson County: 541-774-8201

24-hour crisis line hotline, Josephine County: 541-474-5360

#### **Options for Southern Oregon**

www.optionsonline.org

541-476-2373

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

#### Community Works HelpLine -Jackson County

#### www.community-works.org/need-help

#### 541-779-4357

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

#### Women's Crisis Support Team -Josephine County

#### www.wcstjoco.org

24-hour crisis line: 541-479-9349. Business line: 541-476-3877

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

## Computer labs

#### www.roguecc.edu/student-computer-labs

#### 541-956-7424

- Coates Hall, Redwood Campus
- Student Success Center, Riverside Campus
- Table Rock Campus Library lab
- Table Rock Campus instructional lab
- Higher Education Center instructional lab, HEC-124 first floor

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

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 may be saved on RCC's network servers. All students must have a valid computer user ID and password to gain access to the computer network and applications.

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

## Copiers

Coin-operated copy machines for student use are available.

- Library, Wiseman Center, Redwood Campus
- Second floor, Room 218, RCC/SOU Higher Education Center, Riverside Campus

## Distance learning – Rogue Online

roguecc.blackboard.com

#### RO@roguecc.edu, 541-956-7366

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 for campus-based courses.

- Students 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, practice good time management skills, and have access to proper technology.
- Some distance learning courses require oncampus 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.
- You may have to download software for proctored exams.
- Full technical requirements may be found at the RCC Blackboard page at <u>roguecc.</u> <u>blackboard.com</u>.

#### **Getting started**

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

For students who are new to online learning or want to refresh their skills, technical orientation videos are posted on the Rogue Online website at <u>roguecc.blackboard.com</u>.

For more information or support, call 541-956-7366.

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.

NOTE: RCC's regular administrative drop policy applies to distance learning courses. For specific information on the steps needed to maintain course enrollment, check your syllabus inside Blackboard. Visit the RCC's Blackboard site at <u>roguecc.blackboard.com</u>.

## Early Childhood Education Center -Head Start

Redwood Campus, 541-956-7309

The center was developed through a collaborative effort of 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**

#### www.roguecc.edu/studentEmployment/ commJobs.asp

Online job-posting services are offered at no cost to community employers. For job postings, see the RCC website or call 541-956-7323.

### **Food services**

Vending machines or Micro-Markets (MM) are available at the following locations:

#### **Redwood Campus**

- Josephine Building
- Student Center (The Cafeteria is also located in the Student Center. Monday through Thursday, hours vary.)
- Student Success Center (MM)
- Y Building

#### **Riverside Campus**

- Student Success Center
- RCC/SOU Higher Education Center

#### Table Rock Campus

- A building
  - o West entrance, near room A-155
  - o East Commons (MM)
- B Building High Technology Center
- C Building Health Professions Center (MM)

Micro-Markets (MM) offer an assortment of lunch, breakfast, beverages, and snack items. Micro-Markets and vending machines are all available during regular business hours.

#### Ossie's Cupboard

www.roguecc.edu/ossies-cupboard

Redwood Campus - Student Center, Room 8

Table Rock Campus – A Building, Room 170

Ossie's Cupboard is a free food pantry and hygiene supply service at Redwood (Grants Pass) and Table Rock Campuses (White City). Ossie's Cupboard partners with the Oregon Food Bank, the RCC Foundation, and community partners to provide healthy food and hygiene products to all students and staff at RCC. The team at Ossie's Cupboard realize that people struggle with food insecurities. Our goal is to provide access to nutritional foods and hygiene at no cost. Check out the online ordering form for easy access to food and hygiene.

## **Health services**

Healthcare is not provided at the college. First aid kits are available in administrative offices. Dial 911 for emergencies.

RCC does not offer accident and illness insurance plans for students. Click the link to find information on the Oregon Insurance Marketplace at <u>https://healthcare.oregon.gov/</u> <u>Pages/index.aspx</u>.

## Instructional Media Services and IP Video Network

541-956-7038

- Coates Hall CH-12, Redwood Campus,
- Higher Education Center, HEC-114, Riverside Campus
- Building A, A-130, Table Rock Campus

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 or VHS player, all within a fully programmable touch panel system. Everything is available for staff and student use for presentations and projects.

Internet Protocol (IP) video network services are also provided. They include interactive video and audio connectivity available on all RCC campuses. Through this 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 Zoom. This service allows participation in live classes or meetings from a computer equipped with a microphone, web cam and headphones.

## International education

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 world languages, international studies, and cross-cultural communication.

## Learning centers

www.roguecc.edu/ABS ABS-Josephine@roguecc.edu ABS-Jackson@roguecc.edu 541-956-7490

- Illinois Valley Learning Center, Kerby
- Redwood Campus Learning Center, M Building, Grants Pass
- Table Rock Campus Learning Center, 127-A, White City

General Education Development (GED®), English as a Second Language (ESL) / English Language Acquisition (ELA), and basic skills/ skills brush up are offered at RCC Adult Basic Skills (ABS) learning centers or online.

Students must attend an Adult Basic Skills orientation to be enrolled. Contact one of the above learning centers for orientation information.

## **Library Services**

www.roguecc.edu/library 541-956-7152

- Redwood Campus, Wiseman Center
- Riverside Campus, B Building, adjacent to the Student Success Center
- Table Rock Campus, A-103

NOTE: RCC Libraries are closed during breaks between terms. Check the library website for normal hours of operation.

The RCC Library serves the college with comprehensive library services. Students may request books and other material online through the library catalog, which can be delivered to any RCC campus for pickup. The RCC Library provides database access to thousands of online journals and e-books.

Every RCC Library branch has computers available for student, staff and faculty use. Computers access the internet, email, Microsoft Office Suite applications and online learning portals. Printing is available.

Reserve Rooms provide short-term checkout of textbooks, laptops and other material including anatomical models and cameras. Graphing calculator and bicycle locker rentals are available.

Books, journal articles, and other materials not found in the library catalog may be borrowed from other libraries around the country using an interlibrary loan service.

Information services include drop-in reference assistance, ready reference by phone and email, and in-depth research consultation. Reference librarians 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 in Grants Pass. 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 and personal supplies.

## Mothering rooms

Facilities for nursing mothers are available to students and staff at these locations:

- Riverside Campus, Higher Education Center, Room 316.
- Redwood Campus, U Building (Gym), women's locker room area.
- Table Rock Campus, Room 179.

These 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 at 541-956-7333.

## Parking

#### www.roguecc.edu/locations

See the campus maps in the back of 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 by the City of Medford and monitored by Diamond Parking Services. Call 541-774-2082 for parking cost and permit information.
- Table Rock Campus Buildings A, B, and C: Parking is free in designated lots.

### Restrooms

Public restrooms are available at these sites when the buildings are open for classes:

 Redwood Campus: The Student Center/ Cafeteria; Coates Hall; D, E, F, H, K, L, T and U (Gym) Buildings; and the Josephine, Rogue, Welcome Center, and Wiseman Buildings. All-Gender ADA restrooms are located in the Student Center/Cafeteria; E, H, K, L, S, and T Buildings; and the Josephine and Wiseman Buildings.

- Riverside Campus: Student Success Center and the RCC/SOU Higher Education Center (HEC). All-Gender ADA restrooms are located in the Student Success Center and the HEC.
- Table Rock Campus: First and second floors. All-Gender ADA restrooms are available near the EMT area and at the NE entry.

## Security

www.roguecc.edu/security

To contact RCC Security for any location, call 541-218-2930.

Rogue Community College has contracted security officers on site at the Redwood Campus 24 hours a day, seven days a week. RWC relies on Josephine County Sheriff's Department and the Oregon State Police for law enforcement and on Rural Metro Fire Department for fire safety services.

The Riverside Campus has security officers on site from 7 a.m. to 11 p.m., Monday through Friday and 8 a.m. to 4 p.m. on Saturdays. RVC relies on the Medford Police Department for law enforcement services, and the Medford Fire Department for fire safety services.

The Table Rock Campus has security officers on site 7 a.m. to 10:30 p.m., Monday through Friday and 7 a.m. to 7 p.m. on Saturdays. TRC relies on the Jackson County Sheriff's Department for law enforcement services and Fire District 3 for fire safety services.

#### **Reporting crime**

After contacting 911, or local law enforcement, Campus Security should be notified of all criminal activity, accident, injuries and emergency situations on campus. Reporting can be accomplished by the following means:

- Campus Security at the Redwood Campus may be reached 24 hours per day 7 days per week via cell phone at 541-218-2930.
- Campus Security at the Riverside Campus may be reached between 7 a.m. and 11 p.m. Monday – Friday and from 7 a.m. – 7 p.m. on Saturday via cell phone at 541-218-2931.
- Campus Security at the Table Rock Campus may be reached between 7 a.m. and 10:30 p.m. Monday – Friday and between 7 a.m. and 7 p.m. on Saturday via cell phone at 541-218-3639.
- Accident and Injury reports can be filed online at <u>www.roguecc.edu/security</u>.
- Crime reports and incident reports submitted to Campus Security are covered under state law and are subject to public record requirements.

#### Vehicle emergencies

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

### State government

Oregon elections are held in May and November. For a list of state elected officials, visit <u>www.oregonlegislature.gov</u>.

# Student centers and lounges

On the Redwood Campus, the Student Center is open during normal college hours. Student government offices and a cafeteria are located in the center, as are vending machines, rest rooms, and study space.

At the Riverside Campus, B Building the Student Success Center is open during normal college hours and is home to the Athletics office and TRIO SSS fulltime. A welcome center is also available to connect students to services they need and to schedule appointments to meet with advisors, counselors, and all other Student Affairs departments.

On the Table Rock Campus, the East Commons has an open space with tables, and a Micro-Market.

## Student Employment Services

#### www.roguecc.edu/studentEmployment

On-campus student employment is available to students enrolled in six or more credits and maintaining a minimum of 2.0 GPA. (Minimum GPA may be higher for some positions.) For job listings please visit the RCC student job listings at

https://www.governmentjobs.com/careers/ roguecc/transferjobs.

For off-campus community positions please visit <u>www.roguecc.edu/studentEmployment/</u> <u>commJobs.asp</u>.

## Student housing

Rogue Community College does not provide student housing. Listings for private housing may be posted on RCC bulletin boards (with approval, contact 541-956-7187), or students may contact a local property management service.

# Substance abuse referrals

Rogue Community College is a drug-free institution on all campuses. Possession of or being under the influence of controlled substances could lead to sanctions from RCC. Students who would like information regarding alcohol or drug treatment agencies are urged to contact Counseling at <u>www.roguecc.</u> <u>edu/counselingDept</u> for assistance and referrals.

## **Testing centers**

www.roguecc.edu/TestingServices

541-956-7100

- Library, Room 5, Redwood Campus, 541-956-7100, option 1
- Student Success Center, Room 11, Riverside Campus, 541-956-7100, option 2
- Building A, Room127, Table Rock Campus, 541-956-7100, option 3

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. See website for details.

## Vending machines

Vending machines or Micro-Markets (MM) are available at the following locations:

#### **Redwood Campus**

- Josephine Building
- Student Center
- Student Success Center (MM)
- Y Building

#### **Riverside Campus**

- Student Success Center
- RCC/SOU Higher Education Center

#### Table Rock Campus

- A building
  - o West entrance, near room A-155
  - o East Commons (MM)
- B Building High Technology Center
- C Building Health Professions Center (MM)

Micro-Markets (MM) offer an assortment of lunch, breakfast, beverages, and snack items. Micro-Markets and vending machines are all available during regular business hours.

## Walking and jogging trail

The Chuck Ruckman Memorial trail is a 1.6mile walking and jogging trail on Redwood Campus dedicated to a former RCC Forestry instructor who died in a plane crash in 1985. The trail begins at the Josephine Building parking lot and ends at the Rogue Building parking lot. In between, it crosses College Avenue, then splits into upper and lower portions as it winds through the forested southwest area of Redwood Campus. A prominent feature along the trail near the Josephine Building is a 24-foot-tall totem pole that was carved in 1990 by chainsaw artist Don Colp.
## **Academic Success and Adult Basic Skills**

## Academic Success

#### www.roguecc.edu/AcademicSuccess

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

## **Credit classes**

Courses are offered in basic reading to prepare students for college-level courses. Students must go through the placement process to determine their academic levels before enrolling. Some Academic Success classes also may be required for certain career and technical programs.

NOTE: A student may receive federal and/ or state financial aid for a maximum of 45 attempted developmental education credits (see the RCC Satisfactory Academic Progress policy 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 Financial Aid Advising on any RCC campus.

## Adult Basic Skills (ABS)

#### www.roguecc.edu/ABS ABS-Josephine@roguecc.edu ABS-Jackson@roguecc.edu 541-956-7490

- Illinois Valley Learning Center, Kerby
- Redwood Campus Learning Center, M Building, Grants Pass
- Table Rock Campus Learning Center, 127-A, White City

Students who need to learn basic reading, writing and math skills, prepare for GED<sup>®</sup> exams, learn English, or prepare for college placement tests may receive assistance through basic skills programs. There is a nominal charge for services. Eligible students can earn free college credit while studying with the ABS program. New and returning Adult Basic Skills students should call the learning center in their area to schedule an ABS orientation. In addition, employers who want to provide basic skills training for their workers may contract for services that are designed especially for their work sites. Call one of the centers listed above for more information.

## Adult Basic Skills classes

Adults who need to learn basic reading, writing and math skills, English as a Second Language, or workforce preparation may attend classes tailored for their needs or participate in guided study in a learning center or online with assistance from qualified instructors. Students also may use the RCC ABS learning centers for basic skills review prior to taking the college placement test. Assessments are required during orientation to place students into the correct level of English as a Second Language/English Language Acquisition, or Adult Basic Education/GED\* courses and/or guided study programs.

## General Educational Development (GED<sup>®</sup>)

### www.roguecc.edu/GED

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

GED° preparation courses and guided study in English are available online and at all campuses. GED° preparation in Spanish is available online.

Students who are 16 or 17 years of age must present an 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<sup>®</sup> examination covers social studies, science, language arts and mathematics.

## **GED**<sup>®</sup> Testing

### www.roguecc.edu/GED

• Table Rock Campus GED examinations, White City

The GED<sup>®</sup> exam is computer-based. Candidates register, schedule, and pay online at ged.com or by calling 877-392-6433. Four tests comprise the GED<sup>®</sup> battery. The cost is \$38 per test and free vouchers are available for RCC students as budget allows. GED<sup>®</sup> testing is available in White City at the Table Rock Campus. For an explanation of other requirements, visit the GED<sup>®</sup> website at ged.com.

## English as a Second Language/ English Language Acquisition (ESL/ELA)

#### www.roguecc.edu//ESL esl@roguecc.edu 541-956-7490

- Redwood Campus Learning Center, M Building, Grants Pass
- Table Rock Campus Learning Center, 127-A, White City

Students learn to speak, read, write and comprehend spoken English in ESL/ELA classes. They also learn to use computers and educational software with the help of qualified instructors. New students are required to attend an orientation- call or email for further information.

## Services for employers

Basic Skills and ESL/ELA 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.

## Habilidades Básicas para Adultos (ABS)

<u>www.roguecc.edu/latinoServices/abs.asp</u> <u>ABS-Josephine@roguecc.edu</u> <u>ABS-Jackson@roguecc.edu</u> 541-956-7490

- Illinois Valley Learning Center, Kerby
- Redwood Campus Learning Center, M Building, Grants Pass
- Table Rock Campus Learning Center, 127-A, White City

## Clases de Habilidades Básicas para Adultos (ABS)

Los adultos que necesitan aprender habilidades básicas de lectura básica, escritura y matemáticas, y preparación de la fuerza laboral pueden asistir a clases adaptadas para sus necesidades o pueden participar en estudios guiados en un centro o de aprendizaje o en línea con la ayuda de instructores calificados. Los estudiantes también pueden usar los centros de aprendizaje de RCC ABS para revisar sus habilidades básicas antes de tomar la prueba de nivel (placement test).

Se requieren evaluaciones durante la orientación, para colocar a los estudiantes en los niveles apropiados de las clases de Adquisición de Lenguaje de Inglés (ELA) o clases de Educación Básica para Adultos /GED® (ABE/ GED®) o programas de estudio guiados.

## Educación General Desarrollo (GED®) en español

#### www.roguecc.edu/GED

Los estudiantes que tengan 16 años o sean mayores y que no tengan un diploma de la escuela preparatoria, pueden prepararse para tomar el examen de GED<sup>®</sup> en Inglés o en Español.

Las clases de GED<sup>®</sup> cuestan \$65 por término o trimestre. Las clases de preparación para el GED<sup>®</sup> y el estudio guiado en inglés están disponibles en todos los campus.

La preparación para el GED® en español está disponible en un ambiente de aula o en el línea.

Los estudiantes que tienen 16 o 17 años de edad deberán presentar una exención de la educación obligatoria del distrito escolar en el que viven antes de inscribirse.

Los estudiantes que reciben la educación en su casa, bajo los auspicios de Servicios Educativos del Distrito de Southern Oregon y que tienen 16 o 17 años de edad, deben presentar una notificación acerca de la instrucción educativa en su hogar y una referencia de instrucción.

Las cuatro partes del examen de GED<sup>®</sup> cubren las habilidades estudios sociales, ciencias, artes del lenguaje y matemáticas.

## Exámen de GED®

<u>www.roguecc.edu/GED</u>

El examen de GED<sup>®</sup> ahora es en la computadora. Los candidatos se registran, programan y pagan en línea en la página de internet de: ged.com o también pueden llamar al 1-877-392-6433.

El examen consiste de cuatro pruebas en total. El costo por examen es de \$38 por cada prueba.

El examen de GED<sup>®</sup> está disponible en:

• White City en el campus de Table Rock Para una explicación de otros requisitos visite la página de internet del GED<sup>®</sup>: <u>ged.com</u>

### Inglés como segundo idioma/ Adquisición del idioma inglés (ESL/ELA)

<u>www.roguecc.edu/ESL</u> <u>esl@roguecc.edu</u> 541-956-7490

- Redwood Campus Learning Center, M Building, Grants Pass
- Table Rock Campus Learning Center, 127-A, White City

Las clases de Inglés como segundo idioma/ Adquisición del Lenguaje de Inglés (ESL/ ELA) tienen un costo de \$65 por término. Los estudiantes aprenden a hablar, leer, escribir y comprender inglés hablado en las clases de ESL/ELA. Los estudiantes también aprenden a usar las computadoras y software educativo con la ayuda de instructores calificados.

## Servicios para Empleadores

Las clases de Habilidades Básicas (ABS) y las clases de Inglés como segundo idioma/ Adquisición del Lenguaje de Inglés (ESL/ ELA) pueden ser adaptadas a las necesidades específicas de los empleadores y sus empleados. El programa de Habilidades Básicas para Adultos (ABS) de RCC y el departamento de entrenamiento personalizado en RCC hacen un contrato con empleadores para satisfacer sus necesidades, diseñar un currículo, y proporcionar instrucción. Las clases pueden ser llevadas a cabo en el lugar de trabajo del empleador o del empleado, o en uno de los campus de RCC.

## Children on campus

Only students enrolled in classes or labs may sit in on those classes or labs unless the individual instructor or department chair/coordinator makes an exception.

Other minor children who are not necessarily connected to students or employees may be on campus by invitation for a special event or class field trip. Children under high school age (14 years or younger) are not permitted on college campuses, unless directly supervised by a responsible adult.

If children are disruptive, they may be asked to leave the campus and must be escorted by one of the group leaders.

## **Copyright infringement**

RCC complies with all laws relating to copyright materials. See RCC Administrative Procedures at <u>web.roguecc.edu/administra-</u> <u>tive-procedures</u>.

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 can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. For more information, visit the U.S. Copyright Office at <u>www.copyright.gov</u>.

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

## Notice of Non-Discrimination and Title IX Compliance

### www.roguecc.edu/nondiscrimination

Rogue Community College does not discriminate in any programs, activities or employment practices on the basis of race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender identity, marital status, veteran status, disability, age, pregnancy or any other status protected under applicable federal, state or local laws.

For the most up-to-date information about this policy visit the "Title IX Compliance" page on RCC's website.

For further policy information and for a full list of regulatory specific contact persons visit RCC's Nondiscrimination page at <u>www.</u> <u>roguecc.edu/nondiscrimination</u>.

## Satisfactory Academic Standing and Progress

www.roguecc.edu/SAP

The SAP policy for 2022-23 is currently in a pending status.

# Student rights, freedoms and responsibilities

www.roguecc.edu/student-rights

## PREAMBLE

Rogue Community College (RCC or the College) 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 RCC 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 ("Statement") are:

- 1. To identify fundamental provisions for students' rights and freedoms to learn, and to provide a process for resolution to alleged violations. See AP 5530 Student Complaint and Grievance Procedure.
- 2. To identify student responsibilities and conduct guidelines, and to provide a process for resolution to alleged violations. See AP 5500 Standards of Student Conduct and AP 5520 Student Discipline Procedures.

## 1. ACCESS TO THE COLLEGE AND EDUCATION

RCC believes in an open-door philosophy and within the limits of its resources, will 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, color, religion, sex, pregnancy, disability, national origin, citizenship status, ancestry, age, order of protection status, genetic information, marital status, sexual orientation (including gender identity), arrest record status, military status, unfavorable discharge from military service, or any other characteristic protected by federal, state, or local law in employment, or in any of its educational programs, or in the provision of benefits and services to students.

## 2. 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 and 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 have 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 have enrolled.

Each instructor shall give students clearly

stated written criteria for evaluation. To appeal an academic evaluation (grade) within the past year (four academic terms), a student may start the process by discussing the grade method in question with the instructor.

If a student is not satisfied with the outcome of discussion with the instructor, the student may appeal the decision to the department chair. If a student believes further appeal is warranted the student may appeal a department chair's decision to the dean, Academic Affairs, of the school where the instructor's program resides. If a student is not satisfied with the dean's decision, an appeal may be made to the Vice President, Academic Affairs. Any decision made by the vice president is final.

The Grade Appeal Procedure provides the student with a process for appealing a final course grade when he or she believes an improper evaluation has occurred. "Improper evaluation" is defined as: (1) the evaluation standards and grading criteria contained in the course syllabus were not followed by the instructor or (2) the final grade was imposed in an arbitrary or capricious manner.

For academic evaluation (grade) appeals applied to grades older than one year (at least five terms prior), the student may file an Academic Record Change form for this purpose. The form may be accessed at www.roguecc.edu/enrollmentServices/forms. asp.

## **Grade Change Petitions**

College policy states that instructors may change grades up to one year after a course has been completed. Petitions after one year will be considered only with documented extraordinary circumstances, such as illness, military service, or incarceration.

All change of grade requests must rest upon a miscalculation of the final points, scores, and/ or grades.

The assignment of a grade is the responsibility of the instructor of record. Thus, any changes to an assigned grade can only be made by the instructor. If the instructor of record is no longer employed by the College, or is otherwise unavailable, the Department Chair of the petitioned course will make every attempt to contact the instructor of record and come to a resolution. If the Department Chair is unable to contact the instructor, the Department Chair will make a decision based on the available evidence and take appropriate action as outlined below. In this case, the final decision of the Department Chair shall be deemed final, and no further action will be taken.

#### Students who believe their final grade for a course as reflected in the official college transcript to be erroneous must:

Submit a Grade Change Petition form at <u>www.roguecc.edu/enrollmentServices/forms.</u> <u>asp</u> to the instructor of record within one (1) calendar year of the last day of the term in which the grade was assigned.

Include the reason(s) why the recorded grade is being challenged, and provide copies of any evidence that supports the request (e.g. graded papers, graded exams, course syllabus, and graded quizzes).

Within two weeks of receiving the petition (and if received during the term) the instructor will inform the student in writing of their decision and, if denied, the reasons for the denial. A copy of the letter and the completed Grade Change Petition will then be submitted to Enrollment Services. The decision shall be deemed final and no further action will be taken. If a petition is received during a break between terms or during summer term then a response will be given at the beginning of the next term.

If approved Enrollment Services will notify the student in writing regarding the final decision and retain a copy of the petition, documentation, final decision and grade change form, if appropriate, in the student file.

## 2.3. Protection against improper disclosure

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

## 3. 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, considered part of a student's educational record, conditions for its disclosure, and security practices, which control access to such records as may be available for review or electronic transmission. The College accumulates data and keeps records in order to plan educational activities that meet the needs of students and to effectively advise and counsel them. Student records are used to promote instruction, for guidance, and educational progress.

Academic and disciplinary records will 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 will not divulge confidential information about students, which they acquire in the course of their work.

## 4. STUDENT RIGHTS

RCC 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 clubs and organizations to promote their common interests, subject to the following considerations.

## 4.1.1. Membership Policies 4.1.1.1: Student clubs

Student clubs are open to all students without regard to race, color, gender, religion, age, sex, national origin, disability, marital status, veteran status, or sexual orientation. The membership, policies, and actions of a student organization are typically determined by the vote of those individuals who hold bona fide membership in the College community.

## 4.1.1.2: Student organizations

Student organizations are generally affiliated with a larger, national or regional organization. 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. For example, grade point average may be limiting criteria.

### 4.1.1.3: Recognition

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

## 4.1.2. College Clubs and Organizations Advisors

Employees of RCC are expected to:

- Treat all employees, students and members of the general public with dignity and respect in their behavior and their communications when they are on campus or involved in a college activity;
- Accept responsibility for the appropriateness of their own conduct; and
- Comply with all laws, policies, procedures, or contracts applicable to workplace and academic behavior.

For further expectations of all employees, students, vendors, and members of the general public please see AP 3053 Respectful College Community.

- Student Clubs: Student clubs typically choose their own college program advisor. Clubs chartered by ASGRCC must have a program 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 program advisors have an obligation to protect the general interests of the College.
- Student Organizations: Student organizations, such as the RCC Honor Society typically have a college program advisor assigned to them. College staff members serve the College community when they accept the responsibility to advise student organizations. In the course of such duties, the program advisors have an obligation to protect the general interests of the College.

## 4.2. Freedom of inquiry and expression

Students, student clubs, 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, student clubs, and student organizations speak for themselves and not as representatives of the College or the College community.

Students, student clubs, and student organizations may invite individuals as presenters for forums outside of classes regardless of race, color, gender, religion, age, sex, national origin, disability, marital status, veteran status or sexual orientation. However, the time, place and manner of the presentation must be made in advance in consultation with the student club or organization advisor. Guest speakers and presenters, individuals or groups, who may disagree with the speakers, will not disrupt college operations. It should be made clear to RCC and the College's larger community that student sponsorship of guest presenters does not necessarily imply approval or endorsement of the views expressed either by the sponsoring group, individual, or RCC.

#### 5. FREEDOM FROM DISCRIMINATION, HARASSMENT AND VIOLENCE

Students have the right to attend RCC free from discrimination and harassment and all forms of sexual intimidation and exploitation including acts of sexual violence.

RCC is committed to the safety of our students, faculty, staff and community members; and takes its responsibility to provide an educational environment free from discrimination, harassment, and violence seriously. Therefore, it is a violation of College policy for any employee, student or third-party at RCC to engage in discrimination, harassment, or violence.

Harassment is unlawful if it is based on any of the following statuses: race, color, religion, sex (including pregnancy), national origin, age, disability, or genetic information. Students should refer to Board Policy (BP) 3430 Prohibition of Discrimination and Harassment and accompanying procedures AP 3430 Prohibition of Discrimination and Harassment and AP 3435 Discrimination and Harassment Reports and Investigations for more details.

RCC's prohibition includes all forms of sex discrimination and harassment-including instances of sexual harassment such as sexual assault, domestic violence, gender-based stalking, and sexual violence--which are also prohibited by Title IX of the Education Amendments of 1972. For allegations of sexual harassment under Title IX, refer to BP 3433 Prohibition of Sexual Harassment under Title IX and accompanying procedures AP 3433 Prohibition of Sexual Harassment under Title IX, and AP 3434 Responding to Harassment Based on Sex under Title IX for more details. For allegations of other forms of sexual harassment or gender-based harassment that are not covered under Title IX, Complainants should use BP 3430 Prohibition of Discrimination and Harassment.

Any sexual assault or physical abuse, including, but not limited to, rape, domestic violence, dating violence, sexual assault, or stalking, whether committed by an employee, student, or member of the public, occurring on Rogue Community College property, in connection with all the academic, educational, extracurricular, athletic, and other programs of the College whether those programs take place in the College facilities or at another location, or on an off-campus site or facility maintained by the College, or on grounds or facilities maintained by a student organization, is a violation of Rogue Community College policies and regulations, and is subject to all applicable punishment, including criminal procedures and employee or student discipline procedures. These written procedures and protocols are designed to ensure victims of domestic violence, dating violence, sexual assault, or stalking receive treatment and information. For more information please see AP 3540 Sexual and Other Assaults on Campus. For physical assaults/violence, see also AP 3500 Campus Security, AP 3510 Workplace Violence, and AP 3515 Reporting of Crimes.

## 5.2 The Harassment & Discrimination Response Team

RCC's Harassment & Discrimination Response Team includes employees who are especially trained to understand the nuances of how to respond to reports discrimination (including sexual harassment) that may fall under the jurisdiction of Title VII, Title IX, or other required laws. This group includes:

#### Lead Title IX Coordinator and Equity, Diversity, and Inclusion Coordinator Marco Vasquez (he/him/they/them) 541-956-7124

#### MVasquez@roguecc.edu

Redwood Campus Wiseman Building Rm 15A Table Rock Campus A Building Rm 209

#### Deputy Title IX Coordinator Sean Taggart, Director of Risk Management 541-956-7061

<u>staggart@roguecc.edu</u> Redwood Campus - A Building

### Deputy Title IX Coordinator April Hamlin, Dean of Student Success ahamlin@roguecc.edu

Riverside Campus

Within the Harassment & Discrimination Response Team, the following person has been designated to handle inquiries regarding the non-discrimination policies:

#### Jamee Harrington Vice President of People, Culture, & Safety/ CHRO

jharrington@roguecc.edu (541) 956-7017 Redwood Campus - Josephine Building

## **Campus Security**

Campus Security should be notified of all criminal activity and emergency situations on campus. Reporting can be accomplished by calling: Redwood Campus: 541-218-2930

Available 24/7 via phone Riverside Campus: 541-218-2931

Available during open hours Table Rock Campus: (541) 218-3639

Open hours will be posted on the Risk Management page of the website at <u>www.roguecc.edu/security</u>.

In the event of an emergency please call 911.

## 5.3 Other resources

Students may discuss their report confidentially with an RCC Counselor from the Counseling Center who is generally not obligated to disclose the information. Please note Counselors are required to report information on elder abuse, child abuse, or if someone is a threat to themselves or others. Professional, licensed, mental health Counselors, who provide mental-health counseling to members of the RCC community, or intern graduate students, and others supervised by professional licensed Counselors, are not required to report any information received in confidence. Counselors are able to guide a student through the reporting processes at RCC.

Counselors can be reached by emailing counselingfrontdesk@roguecc.edu or by coming to the Counseling Center in the Student Success Center on all three campuses.

If you are a student and need accommodations to successfully engage in reporting an issue, please contact the Access and Disabilities Resources office at <u>accessOffice@roguecc.edu</u>.

RCC has resources that can help make laws, policies, and procedures that address sex discrimination and sexual harassment under Title IX more transparent at RCC, for more information please visit RCC's Title IX page at web.roguecc.edu/harassment-discriminationand-title-ix.

#### 6. STUDENT PARTICIPATION IN COLLEGE GOVERNANCE

As members of the College community, students are free to express their views on issues of college 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 through the various college councils and committees. If students are interested in participating, it is recommended they meet with their club or organization advisor.

Any student may make presentation to the RCC Board of Education, as citizens, by contacting the Assistant to the Board of Education at 541-956-7001 and requesting to be added to the next monthly Board meeting agenda.

## 7. 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. These are ways to bring student concerns to the attention of the faculty and college authorities and of formulating student opinion on various issues in the College, its community and the 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 program advisors have the responsibility to review copy to protect RCC 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. Censorship

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 program advisors, should develop written procedures for editorials and news coverage.

### 7.2. Removal

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. Disclaimer

RCC-recognized student publications shall explicitly state on the editorial page "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, right to 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. College authority is not used merely to duplicate the function of general laws. RCC's special authority may be asserted at those times when its interests are involved.

#### 9. STUDENT CODE OF CONDUCT AND PROCEDURES

### 9.1. Student Code of Conduct

The Standards of Student Conduct and associated procedures can be located at <u>web.roguecc.</u> <u>edu/board-policies/ap-5500-standards-stu-</u> <u>dent-conduct</u>.

For the purposes of this and associated procedures a member of the college community is defined as a student, staff, faculty member, other employee, volunteer, board member or other individual engaged in lawful activity on Rogue Community College (RCC) property or at any RCC sponsored event or function.

Section 1 Prohibited Behaviors by the Student Code of Conduct and shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student:

 Causing, attempting to cause, or threatening to cause physical injury to another person.

- b. Possession, sale, or otherwise furnishing any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife, or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a Rogue Community College employee, which is concurred in by the President or designee.
- c. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia. These behaviors are prohibited on campus, at any RCC sponsored activity, or using any RCC controlled technology or resources.
- d. Committing or attempting to commit robbery or extortion.
- e. Causing or attempting to cause damage to RCC's property or to private property on campus.
- f. Stealing or attempting to steal RCC property or private property on campus, or knowingly receiving stolen RCC property or private property on campus.
- g. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college.
- h. Committing sexual misconduct, harassment, or discrimination as defined by law or by RCC policies and procedures. Resolution of these allegations will occur under RCC policies and procedures related to protected class discrimination and harassment.
- i. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law. Resolution of these allegations will occur under RCC policies and procedures related to protected class discrimination and harassment.
- Engaging in intimidating conduct or bullying against a college community member through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying;
- k. Willful misconduct which results in injury or death to a student or to employees or which results in cutting, defacing, or other injury to any real or personal property owned by RCC or on campus.
- 1. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open

and persistent defiance of the authority of, or persistent abuse of, college personnel.

- m. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty.
- n. Dishonesty, forgery, alteration or misuse of college documents, records or identification; or knowingly furnishing false information to RCC.
- o. Unauthorized entry upon or use of RCC facilities.
- Lewd, indecent, or obscene conduct directed towards a College Community member regardless of geographic location.
- q. Engaging in expression which is obscene; libelous, or slanderous; or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful RCC administrative procedures, or the substantial disruption of the orderly operation of RCC.
- r. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
- s. Failure to follow a directive. Students are required to follow the lawful directives of RCC personnel acting in the performance of their duties.
- t. Hazing. Students are not permitted to haze other students. Hazing is subjecting an individual to bodily harm, purposeful mental harm, humiliation, harassment, compelling an individual to consume controlled substances or alcohol, or requiring an individual to commit a crime as a condition or precondition of attaining membership in an organization or attaining any office or status within an organization.

### 2. Records Retention

Records of alleged student misconduct, documentation of those allegations, evidence used to determine if allegations are substantiated, and the resolution of those allegations will be maintained separate from a student's other educational records and retained in accordance with RCC policies and procedures on record retention.

### 9.2. Procedures for resolution of alleged violation of the RCC Student Code of Conduct

Complaints regarding alleged violation of the RCC Student Code of Conduct will be reviewed and resolved using the procedures outlined below. If the review or investigation confirms the student's violation of the RCC Student Code of Conduct, one or more disciplinary actions and sanctions listed in Section 9.3 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 Vice President of Student Affairs or Chief Student Affairs 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 in accordance with FERPA and amendments.

#### Direct resolution

If any RCC Employee believes a student is engaged in conduct which violates RCC's standards of conduct – listed in AP 5500 they are encouraged to attempt to resolve this issue directly with the student. RCC encourages direct resolution but it is not required. If personal safety is at risk please contact 911 or campus security as appropriate. If direct resolution is attempted please complete an incident report regardless of the outcome.

#### **Compliance Coordinator**

If direct resolution is inappropriate or unsuccessful the college employee should complete an incident report within 3 working days of the behavior in question. Within 7 working days of receiving the report the Compliance Coordinator, or designee, will contact the student and other involved parties.

The student who is accused of violating RCC's standards of conduct will be contacted to schedule a meeting with the Compliance Coordinator or designee. The Compliance Coordinator, or designee, may use multiple processes to help resolve the issue. The student will be informed of the behavior they are accused of and be allowed an opportunity to explain or deny the behavior.

The Compliance Coordinator, or designee, may – as necessary – conduct an investigation into the accused behavior including reviewing available evidence and speaking to witnesses. The Compliance Coordinator, or designee, will use the preponderance of the evidence standard in determining if a student's behavior violated RCC's standards of conduct.

If a student is found to have violated RCC's standards of conduct the Compliance Coordinator, or designee, may assign a sanction proportional to the student's conduct. Available sanctions are listed in this procedure under the heading Sanctions.

Students will be notified of the Compliance Coordinator, or designee's, decision and any sanction, as appropriate, in writing. When determining a sanction, the Compliance Coordinator, or designee, may take a student's disciplinary history with RCC into account.

## Appeal to the Vice President of Student Affairs

Students receiving a written notice of disciplinary action for a violation of RCC's standards of conduct have the right to appeal in writing to the Vice President of Student Affairs, or designee. Any appeal must be received within 7 working days of receiving the notice of disciplinary action.

#### Students may appeal based on:

- Failure to follow the process for resolving allegations of inappropriate behavior as outlined in this procedure;
- b. New evidence is available that was not available during the initial investigation; or
- c. The sanction imposed is disproportionate to the offense the student is found responsible for.

Within 10 working days of receiving an appeal the Vice President of Student Affairs, or designee, will review the initial report, the investigation process, the findings, and any sanctions. As part of this process they may consult with RCC administrators to insure consistency and fairness within the process. The Vice President of Student Affairs, or designee, will report their findings and conclusions to the student and the Compliance Coordinator. The decision of the Vice President of Student Affairs, or designee, is final.

### 9.3. Student Discipline Procedures

Visit <u>www.roguecc.edu/BOE/policies/</u> <u>AP5520.asp</u> to read more about Student Discipline Procedures.

### Purpose

The purpose of this procedure is to provide a prompt and equitable means to address alleged violations of the Standards of Student Conduct This procedure guarantees to the student, or students, involved the due process rights guaranteed them by state and federal constitutional protections. This procedure will be used in a fair and equitable manner, and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

These administrative procedures are specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions and will not be used to punish expression that is protected.

## **Definitions:**

Day - Working days when Rogue Community College (RCC) is open for operations including days the college is open between terms.

Direct Resolution - An attempt by any RCC employee to resolve an issue which they believe to be a violation of the standards of conduct.

Disciplinary Probation - Specific conditions or restrictions while in attendance at RCC, in addition to the Student Code of Conduct, for a specified period of time. The Compliance Coordinator 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.

Educational Sanction - A student may be assigned academic work that reflects on the impact of their actions and/or educates them about how to avoid similar behavior in the future.

Expulsion - 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 Compliance Coordinator.

Instructor - Any academic employee of RCC in whose class a student subject to discipline is enrolled.

Suspension - Exclusion of the student by the Compliance Coordinator, or designee, for good cause from one or more classes for the remainder of the school term, or from all classes and activities of the college for one or more terms. A student can also be removed – for good cause – from a particular program of study.

RCC Employee - Anyone engaged by RCC to perform educational, service, administrative, or other functions regardless of if this individual is compensated by RCC.

Removal from class – Exclusion of the student by an instructor for the day of the removal and the next class meeting.

Restitution - 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 student. Student – Any person currently enrolled as a student at any college or in any program offered by the college or a person taking steps to enroll or reenroll.

Written or verbal reprimand – An admonition to the student to cease and desist from conduct determined to violate the Standards of Student Conduct. Written reprimands will become part of a student's permanent record at the college. A record of the fact that a verbal reprimand has been given will become part of a student's record at the college for a period of up to one year.

## **Resolution Process**

## 1. Direct Resolution

- Failure to follow the process for resolving allegations of inappropriate behavior as outlined in this procedure;
- b. New evidence is available that was not available during the initial investigation; or
- c. The sanction imposed is disproportionate to the offense the student is found responsible for.

Within 10 working days of receiving an appeal the Vice President of Student Affairs, or designee, will review the initial report, the investigation process, the findings, and any sanctions. As part of this process they may consult with RCC administrators to insure consistency and fairness within the process. The Vice President of Student Affairs, or designee, will report their findings and conclusions to the student and the Compliance Coordinator. The decision of the Vice President of Student Affairs, or designee, is final.

### Sanctions

If a student is found to have violated RCC's standards of conduct, they may face discipline from RCC. Disciplinary sanctions available to the Compliance Coordinator, or designee, are:

- 1. Verbal or written reprimand
- 2. Disciplinary probation
- 3. Educational Sanction
- 4. Suspension
- 5. Expulsion
- 6. Restitution

7. Other – including directives for behavior and plans of action.

### **Records Retention**

Records of alleged student misconduct, documentation of those allegations, evidence used to determine if allegations are substantiated, and the resolution of those allegations will be maintained separate from a student's other educational records and retained in accordance with RCC policies and procedures on record retention.

## Removal from Class or campus

Any RCC employee may order a student removed from campus for the day of the removal and the next day. This removal should be based on behavior that violates the standards of conduct, is causing a significant disruption, and is not corrected when challenged with direct resolution.

The employee shall immediately report the removal to the Compliance Coordinator using an incident report. The Compliance Coordinator, or designee, shall attempt to contact the student within 2 working days of receiving the report to set a meeting.

The purpose of this meeting will be to discuss the conduct that led to the removal from class, attempt to resolve the problem that led to the removal, and determine appropriate disciplinary action.

## 9.3.8. Other

The Compliance Coordinator may impose additional sanctions or forms of disciplinary action including, but not limited to, directives for student behavior or plans of action.

## 10. STUDENT COMPLAINT AND GRIEVANCE PROCEDURE

## Student Complaint and Grievance Procedure

If students need disability accommodations to successfully complete this process, contact Access and Disability Resources at accessOffice@roguecc.edu.

## When Not to Use this Procedure

This procedure is not the appropriate process for addressing allegations of harassment or discrimination based on a protected class such as race, color, religion, ethnicity, use of native language, national origin, marital status, veteran status, disability, age, pregnancy, or any other status protected under applicable federal, state, or local laws. For resolutions of complaints of this nature please use AP 3430 – Prohibition of Discrimination and Harassment and AP 3435 – Discrimination and Harassment Reports and Investigations.

Grade appeals shall be filed according to the applicable procedure outlined in Rogue Community College's Student Rights, Freedoms, and Responsibilities procedure AP 5999).

## Definitions

**Complaint:** A report of conduct which a student feels violates their rights and/or RCC policies or procedures where resolution is being attempted under the informal process of this procedure.

**Grievance:** A report of conduct which a student feels violates their rights and/or RCC policies or procedures where resolution is being attempted under the formal process of this procedure.

**Retaliation:** Any behavior which negatively impacts the student because they filed a complaint or grievance.

### Preamble

This procedure is designed to ensure that students have full access to their education in accordance with Rogue Community College's commitment to the rights and dignity of our students and the College's philosophy on diversity, equity, and inclusion.

### Purpose

This Student Complaint and 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 their rights as students, as identified in AP Rogue Community College's Student Rights, Freedoms, and Responsibilities procedure (AP-003), or other published college policies and procedures. As students pursue their educational goals, they will be treated with professionalism and respect by college employees or staff.

Students shall not be retaliated against for filing a complaint or grievance in good faith or for participating in this process. Retaliation is any behavior which negatively impacts the student because they filed a complaint or grievance.

This Student Complaint and Grievance Procedure outlines the steps to resolve alleged violations of student rights or other published college policies and procedures. Students will attempt to resolve alleged violations with the staff member(s) directly involved.

The role of a Counselor in this process is to serve as a resource for the student. They are a point of contact to assist the student in advocating for themselves, may help the student identify a reasonable proposed resolution, and mediate conversations throughout the process. Counselors are not required to keep working files as part of this process. Each College employee attempting to reach resolution of a grievance will keep a working file containing all documents, communications, and evidence related to the grievance. If a resolution is not reached it is the responsibility of the College employee working to achieve resolution to provide this working file to the next person in the process. Upon resolution of a formal grievance this working file will be provided to the Vice President of Student Affairs for retention. All documentation submitted or created during the resolution process shall follow established filing procedures.

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

## **Informal Resolution**

#### Step 1: Attempt Direct Resolution

The student discusses the issue with the College employee who is directly involved. The goal is to find resolution in a timely manner. The student may choose to be accompanied by a support person such as a Counselor, an Program Advisor, or an officer of the ASGRCC during this discussion. The student is required to communicate directly with the College employee involved but this communication does not have to be "in-person". A Counselor can help mediate this communication if it is in the best interests of the student. It is the responsibility of the College employee involved to respond to communication or requests for communication in a timely manner. If no resolution is reached the student may move to step 2.

## Step 2: Resolution with Department Chair or Immediate Supervisor

If the issue is not resolved directly with the College employee, the student seeks resolution with the employee's Department Chair or immediate supervisor. The student may choose to be accompanied by a support person during these discussions. The student must clearly state the problem and a proposed resolution.

Appropriate written documentation will be maintained by the Department Chair or immediate supervisor and established filing procedures will be followed.

If no resolution is reached the student may move to Step 3. If the College employee who is the subject of the complaint is a Department Chair the student should skip this step and move directly to Step 3.

## **Formal Grievance Procedure**

## Step 3: Resolution with Dean or Next Level Supervisor

If the issue is not resolved at Step 2 the student may seek resolution with the supervising Dean or next level supervisor. To do this a student has ten (10) working days from receiving notice their complaint could not be satisfactorily resolved at Step 2 to complete a Student Grievance Form and provide it to the supervising Dean or next level supervisor. The student must provide a description of the issue at hand, the steps the student has taken to attempt to resolve that issue, and clearly state a proposed resolution.

Within seven (7) working days of receiving the Student Grievance Form the supervising Dean or next level supervisor will contact the people involved, gather relevant information and/or documentation in order to arrive at a mutually satisfactory solution.

If no mutually agreeable resolution is possible the Dean, or next level supervisor, will conduct an investigation into the student's grievance. Based on the information available as a result of the investigation the Dean, or next level supervisor, will determine an appropriate resolution.

Appropriate written documentation will be maintained by the supervising Dean or next level supervisor and filing procedures will be followed with the Vice President of Student Affairs. If no resolution is reached the student has ten (10) working days to proceed to Step 4.

### Step 4: Resolution with Dean of Student Success

If the grievance is not resolved at the previous steps the student has ten (10) working days to notify the Dean of Student Success that no resolution has been found. The student must provide the Dean of Student Success with a copy of the Student Grievance Form from Step 3.

Within seven (7) working days of receiving this notification, the Dean of Student Success will contact the people involved, gather relevant information and/or documentation, and attempt to arrive at a mutually satisfactory resolution between student and staff.

All parties will be notified of the resolution in writing and established filing procedures will be followed with the Vice President of Student Affairs.

## Step 5: Appeal Process

If the student is not satisfied with the Dean of Student Success's resolution, the student has the right of final appeal of the grievance to the Vice President of Student Affairs. The final appeal process requires the student to prepare and deliver a written appeal request to the Vice President within seven (7) working days after the Dean of Student Success informs the student of the resolution reached. The written appeal request must include an explanation of why the issue remains unresolved and must provide a proposed remedy to the grievance.

Within ten (10) working days of receiving the student appeal, the Vice President of Student Affairs will review the grievance, the investigation process, and the proposed resolutions. They 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 employee and/or other involved parties. The Vice President of Student Affairs will report the findings and conclusions to the student grievant, the College employee(s) involved, and the Dean of Student Success with a written and signed document. Established filing procedures will be followed within the Vice President of Student Affairs office.

## Conflict of Interest and Grievances against Senior Leadership

If a conflict of interest exists the Vice President supervising the division where the complaint or grievance exists will appoint a replacement. Replacements will also be found if there are not enough supervisors to complete Steps 2 and 3 of this process.

Grievances against a Vice President of Rogue Community College should first be attempted to be resolved directly. If no resolution is reached directly the student shall forward their complaint to the Chief Human Resources Officer who will act in accordance with Step 2. If no resolution is reached with the Chief Human Resources Officer the student should provide a formal grievance form to the President of Rogue Community College who will investigate and resolve the issue as appropriate.

Grievances against the College President should first be attempted to be resolved directly. If no resolution is reached directly the student shall forward their complaint to the Chief Human Resources Officer who will act in accordance with Step 2. If no resolution is reached with the Chief Human Resources Officer the student should provide a formal grievance form to the Chairperson of Rogue Community College's Board of Education who will investigate and resolve the issue as appropriate.

The Standards of Student Conduct and Procedures are posted on the RCC Website in the Students, Rights, Freedoms and Responsibilities Statement.

Grievance forms may be obtained in the Counseling centers at all three RCC campuses. For Incident Report forms visit <u>https://</u> <u>roguenet.roguecc.edu/IncidentReport/</u> <u>Incidents/Create</u>.

To begin the complaint process, visit <u>https://</u><u>web.roguecc.edu/complaint-process</u>.

## Drug- and Alcohol-Free Campus

For the most up-to-date information visit the "Drug and Alcohol Free Campus" policy on the RCC website at <u>www.roguecc.edu/BOE/</u>policies/AP3550.asp and <u>www.roguecc.edu/BOE/policies/AP3560.asp</u>.

The College is committed to providing its employees and students with a drug free workplace and campus environment. It emphasizes prevention and intervention through education.

In order to comply with Federal Drug-Free Campus Regulations, the following departments maintain the Colleges Alcohol and Drug Free Environment and Prevention Program; Risk Management, Human Resources, Student Counseling and the Director of Advising and Compliance. The program is designed to inform students and employees of the current alcohol and drug free policy and related programs. This information includes, the dangers of drug and alcohol abuse, the policy for maintaining a drug-free/ alcohol-free campus, any available drug and alcohol counseling and/or rehabilitation, education and prevention programs and the penalties that may be imposed upon students and employees for drug and alcohol abuse violations.

Oregon voters approved a ballot measure in 2014 to allow the possession and sale of marijuana for recreational use. However Rogue Community College is a public institution and receives federal funding in the form of grants and financial aid. Therefore, allowing any use of marijuana would be in violation of that law, thus jeopardizing the College's mission and the College's students' educations. Under federal law, marijuana is designated as a Schedule 1 drug.

## Drug Free Schools and Community Act of 1989

Rogue Community College notifies each employee and student at the start of each academic quarter, in writing, of standards of conduct; a description of appropriate sanctions for violation of federal, state, and local law and campus policy; a description of health risks associated with alcohol and drug use; and a description of available treatment programs.

The following departments prepare a biennial report in April of even numbered years on the effectiveness of the Colleges Alcohol and Drug prevention and education programs and the consistency of sanction enforcement; Risk Management, Human Resources, Student Counseling and the Director of Advising and Compliance. A copy of the current report and previous reports can be found at <u>https://</u> web.roguecc.edu/risk-management/campussecurity.

## **Alcohol-Free Campus**

The possession, sale or the furnishing of alcohol on campus is governed by state law and these procedures. A person must be at least 21 years of age to purchase alcoholic beverages in Oregon.

The possession, sale, consumption or furnishing of alcohol is controlled by the Oregon Liquor Control Commission (OLCC). However, the enforcement of alcohol laws on-campus is the primary responsibility of the Risk Management Department and local law enforcement. The possession, sale, manufacture or distribution of any controlled substance is illegal under both state and federal laws. Such laws are strictly enforced by the Risk Management Department and local law enforcement. Violators are subject to disciplinary action, criminal prosecution, fine and imprisonment. It is unlawful to sell, furnish or provide alcohol to a person under the age of 21. The possession of alcohol by anyone under 21 years of age in a public place or a place open to the public is illegal. It is also a violation of this policy for anyone to consume or possess alcohol in any public or private area of campus without prior College approval. The consumption of alcohol on

RCC property is prohibited under all circumstances including fundraisers and other special events, except for approved college courses or certain college events (as described below).

- Oregon law includes an exemption for students enrolled in a food or beverage career program at a higher education institution, including a community college. "Food or beverage career program" means a course of study designed to qualify a person for a career in the food service industry or alcoholic beverage industry, including but not limited to a course of study in culinary arts, viticulture, winemaking, enology, brewing or restaurant management. (ORS 471.580)
- For classes relating to growing and/or harvesting grapes or hops, or the production and/or marketing of wine or beer, limited consumption of, or tasting of, alcoholic beverages by students and/or staff may be an integral part of such classes. Other classes, such as those relating to public safety training may also include consumption of alcoholic beverages as an integral part of the class.
- Permission for appropriate consumption of alcohol by students/staff, which is considered to be an integral part of these special classes shall be included as part of the approval for scheduling such special classes. Under these special, limited circumstances, alcoholic beverages may be permitted on campuses from time to time. Prior to the advertising of such classes, the instructor must complete an Alcohol Permission Form, including a copy of the course outline, and obtain the required approval signatures.
- All course outlines/syllabi for these special classes must include notice that tasting of alcoholic beverages is strictly prohibited for students under the legal age limit, and some classes may restrict enrollment, whenever appropriate, to students only of legal age and those students able to taste alcoholic beverages as needed to successfully complete the class.
- In all situations (either for college-approved course(s) or specific college events, described above), the RCC President, and/ or their designee has the right to deny the use of alcoholic beverages at any college event or for any college-approved course(s).
- Prior to participation in the course, all students must submit a signed Alcohol-Related Events Hold Harmless Agreement. Completed forms must be kept on file by the Risk Management Department for six (6) years after the class has ended. Copies of the form may be accessed on RCC's website: <u>https://web.roguecc.edu/riskmanagement</u>

Organizations or groups violating alcohol or substance policies or laws may be subject to sanctions by the College.

## Use of tobacco

For the most up-to-date information visit the "Use of Tobacco" policy on the RCC website at https://www.roguecc.edu/BOE/policies/ <u>AP3570.asp</u>. The College is committed to providing a safe and healthy environment for its employees, students and visitors. In light of evidence that the use of tobacco and nicotine and exposure to secondhand smoke and aerosol (commonly referred to as "vapor") from electronic devices pose significant health and environmental hazards, smoking and other tobacco use is not permitted on campus by anyone under 21 years of age and only in designated smoking and tobacco use areas.

## 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:

- Communication: Students will engage in effective communication using active reading and listening skills and expressing ideas appropriately in oral, written, and visual work.
- Critical Thinking: Students will explore, reach, and support appropriate conclusions through the analysis, synthesis, and evaluation of information and varying opinions.
- Equity, Diversity, Inclusion and Global Consciousness: Students will recognize and identify equity, diversity, inclusion and global consciousness as it applies to people and the world today.
- Information Literacy: Students will identify an information need and locate, evaluate, and use information effectively and ethically.
- Quantitative Literacy and Reasoning: Students will reason through and solve quantitative problems by collecting and interpreting data and applying mathematical/statistical techniques.

## 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.

## General Education Outcomes

The Higher Education Coordinating Commission (HECC) has 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 do the following:

## ARTS & LETTERS

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

## 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; and

Understand many of the economic, legal, and social issues surrounding the use of information.

## MATHEMATICS

Use appropriate mathematics to solve problems; and

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/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; and

Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Contact the Advising Department for more specific information on programs and course-work.

## SOCIAL SCIENCE

Apply analytical skills to social phenomena in order to understand human behavior; and

Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

## SPEECH/ORAL COMMUNICATION

Engage in ethical communication processes that accomplish goals;

Respond to the needs of diverse audiences and contexts; and

Build and manage relationships.

## 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; and

Demonstrate appropriate reasoning in response to complex issues.

## The Associate of Science Oregon Transfer -Business

The Associate of Science Oregon Transfer – Business degree defines a program of study to fulfill lower division general education requirements for a bachelor's degree at Oregon public universities. 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 public institution in Oregon.

Students should contact the specific business school or program they will transfer to early in the first year of their ASOT-Business program to be advised about additional requirements and procedures for admission to that school or program.

The Associate of Science Oregon Transfer Business 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.

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 majors may require additional coursework toward graduation.

## Associate of Science Oregon Transfer – Computer Science

The Associate of Science Oregon Transfer – Computer Science degree defines a program of study to fulfill lower division general education requirements for a bachelor's degree at Oregon public 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 public Oregon university.

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 – Computer Science 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.
- Complete a minimum of 24 credits toward the degree at RCC.

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

- Two years of the same high school-level language.
- Two terms of college-level language with

a grade of "C" or better (may be first-year language which can be used as elective credits).

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

## Associate of Science

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

RCC currently has signed articulation agreements with Southern Oregon University for the following programs: Business, Computer Science, Digital Cinema, Early Childhood Development, Elementary Education, Emerging Media and Digital Arts, Health and Physical Education, Human Services, and Outdoor Adventure Leadership.

RCC also has signed articulations with Oregon Tech for the following programs: Computer and Embedded Systems Engineering Technology, Cybersecurity, Health Informatics, Information Technology, Manufacturing/Engineering Technology, and pre-engineering transfer programs in Civil, Electrical, Mechanical, and Renewable Energy.

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.

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 one of the following requirements for admission to an Oregon university:

- Two years of the same high school-level foreign language.
- Two terms of college-level foreign language with a grade of "C" or better (may be firstyear 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. Students should inquire with their intended receiving institution for foreign language requirements.

## 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.

# Associate of Applied Science degrees are offered in these areas:

Automotive Technology

#### **Business** Technology

Business Technology: Accounting Option

Business Technology: Management and Marketing Option

- Computer Support Technician
- Design and Digital Media
- Diesel Technology
- Early Childhood Education

## Approved electives

The following courses may be used to fulfill AAS, 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 in the 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 HE261 CPR/Basic Life Support Provider HPE295 Health and Fitness for Life

#### Humanities Electives

- 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) ART204, 205, 206 History of Art I, II, III \* COMM100 Basic Communication COMM111 Fundamentals of Public Speaking COMM115 Introduction to Intercultural Communication \* COMM201 Media and Society COMM218 Interpersonal Communication COMM225 Small Group Communication and Problem Solving COMM237 Communication and Gender \* COMM270 Argument and Debate ENG104 Introduction to Literature (Fiction) ENG105 Introduction to Literature (Drama) ENG106 Introduction to Literature (Poetry) ENG107 World Literature: Ancient to Classical \* ENG108 World Literature: Medieval to Renaissance \* ENG109 World Literature: Enlightenment to Modern \* ENG201, 202 Shakespeare I, II ENG204 Survey of English Literature: Medieval to Renaissance ENG205 Survey of English Literature: 18th Century to Romantic ENG206 Survey of English Literature: Victorian to Modern ENG253 Survey of American Literature: Colonial ENG254 Survey of American Literature: 19th Century
- ENG255 Survey of American Literature: 20th Century
- ENG257 African American Literature \*
- ENG260 Introduction to Women Writers \*

ENG275 The Bible as Literature

- HUM101 Introduction to Humanities: Classical to Medieval \*
- HUM102 Introduction to Humanities: Renaissance to Enlightenment \*
- HUM103 Introduction to Humanities: Romanticism to 20th Century \*
- HUM215 Native American Arts and Cultures: Eskimo/ Inuit \*
- HUM216 Native American Arts and Cultures: First

Nations of the Northwest Coast \* HUM217 Native American Arts and Cultures: Nations of the Plains \* HUM218 Native American Arts and Cultures: Nations of the Southwest \* HUM219 Native American Arts and Cultures: Peoples of Mexico \* IS110 Introduction to International Studies \* MUS101 Music Fundamentals MUS105 Music Appreciation MUS108 Music in World Cultures MUS111, 112, 113 Music Theory I, II, III MUS114, 115, 116 Aural Skills I, II, III MUS201 Exploring Music: Introduction to Music History MUS205 History of Jazz MUS206 Introduction to Rock Music MUS261 History of Western Music I: Ancient to Barogue MUS262 History of Western Music II: Classical and Romantic MUS263 History of Western Music III: 20th Century to Modern Day MUS264 History of Rock I: The Roots of Rock MUS265 History of Rock II: Rock's Golden Age MUS266 History of Rock III: Heavy Metal to Hip Hop PHL101 Philosophical Problems PHL102 Ethics PHL103 Critical Reasoning **REL201 World Religions \*** REL243 Nature, Religion and Ecology \* SPAN201, 202, 203 Second Year Spanish I, II, III \* TA141, 142, 143 Fundamentals of Acting I, II, III TA144, 145, 146 Improvisational Theater TA153 Theater Rehearsal and Performance **Social Science Electives** 

ANTH110 Introduction to Cultural Anthropology \* ANTH150 Introduction to Archaeology ECON201 Introduction to Microeconomics ECON202 Introduction to Macroeconomics GEOG100 Introduction to Physical Geography \*\*\*\* GEOG110 Introduction to Human Geography \* GEOG120 World Regional Geography HST104 World Civilizations: Prehistory - Middle Ages HST105 World Civilizations: Byzantium – Present \* HST201 U.S. History through Reconstruction \* HST202 History: Post-Reconstruction - Present \* HST259 The Chicano/Latino Historical Experience \* \*\* PS201 U.S. Government: Institutions and Policy PS202 U. S. Government: Ideologies and Political Participation PS203 State and Local Government

PSY101 Psychology of Human Relations

- PSY119 Psychology of Personal Growth
- PSY201, 202 General Psychology I, II
- PSY215 Life Span Human Development
- PSY219 Introduction to Abnormal Psychology
- PSY231 Human Sexuality

#### SOC204 Introduction to Sociology \*

SOC205 American Society \* SOC213 Race and Ethnicity in the U.S. \* SOC218 Sociology of Gender \* SOC221 Juvenile Delinguency SOC225 Social Problems and Solutions 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**

BI100SB Biology of Human Body Systems (no lab) BI101, 102, 103 Introduction to Biology I, II, III (nonmajors) w/lab BI121, 122 Elementary Anatomy and Physiology I, II w/lab BI211, 212, 213 General Biology I, II, III w/lab BI231, 232, 233 Anatomy and Physiology I, II, III w/lab BI234 Microbiology w/lab CHEM104 Introductory Chemistry w/lab and Recitation CHEM105 Introductory Organic Chemistry w/lab CHEM106 Introductory Biochemistry w/lab CHEM221, 222, 223 General Chemistry I, II, III w/lab CS161U Computer Science I (C++) CS162U Computer Science II (C++) CS234U Object Oriented Programming in C++ ENV111 Introduction to Environmental Science (no lab) G100 Fundamentals of Geology (no Lab) G101, 102, 103 Introduction to Geology I, II, III w/lab GS104 Physical Science: Physics w/lab GS107 Physical Science: Astronomy w/lab GS108 Physical Science: Oceanography w/lab GS170 Regional Field Studies w/lab \*\*\* NFM225 Nutrition PH201, 202, 203 General Physics I, II, III w/lab

- PH211, 212, 213 General Physics (Calculus Based) I, II, III 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.
- \*\*\* One field course allowed to meet program requirements.
- \*\*\*\* GEOG100 transfers to Southern Oregon University as a non-lab science exploration course.

Electronics Technology

Family Support Services

Fire Science

Human Services

Industrial Welding Technology

Manufacturing/Engineering Technology

Nursing

Paramedicine

## 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 and 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.

Students planning to transfer to a fouryear university may select courses within the requirements of the AGS degree that will apply to the following majors at OUS schools: Architecture, Art, Biology, Chemistry, Geology, Physics, and Pre-Professional Medicine (Dentistry, Medicine, Optometry, Pharmacy, Veterinary).

## Certificate programs

Career Pathway, less than one-year, and one-year (three to four terms) certificates 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.

## The following certificates are awarded:

Alcohol and Drug Counselor

Automotive Specialist

Basic Health Care

Business Assistant (Administrative Support, Accounting Assistant, or Assistant Manager)

Dental Assistant

Design and Digital Media

Diesel Specialist

Early Childhood Education

Electronics Technician

**Emergency Medical Services** 

Family Support Services

High Technology Studies

Industrial Welding Technology

Industrial Welding Technology: Aluminum Boat Welder

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

Massage Therapy

Medical Assistant

Medical Office Assistant

Pharmacy Technician

Practical Nursing

## **Career Pathways**

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

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

#### The following less than oneyear or Career Pathway Certificates are awarded:

Business Assistant: Business and Information Specialist

Business Assistant: Customer Service

Business Assistant: Retail Sales and Service

Business Assistant: Small Business Management

Computer Support Technician: Computer Software Specialist

Design and Digital Media: Adobe <sup>®</sup> Applications Technician

Design and Digital Media: Social Media Technician

Design and Digital Media: UI-UX Technician

Design and Digital Media: Video Production Technician

Early Childhood Education (Basic)

Early Childhood Education (Intermediate)

Emergency Medical Services: Emergency Medical Technician

Family Support Services

Fire Science: Firefighter

Industrial Welding Technology: GTAW Welder

Industrial Welding Technology: SMAW Welder

Industrial Welding Technology: Welder's Helper

Industrial Welding Technology: WIRE Welder

Massage Therapy: Entry-Level Therapist

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

Medical Assistant: Phlebotomy

Career Pathway Certificates differ from traditional academic programs in that they are milestones on the path to degrees or certificates and are not eligible for commencement exercises. These completions will be noted on students' transcripts.

Career Pathway Certificates focus on attaining certificates and degrees that lead to highdemand occupations and higher wages. A key component of Oregon's overall education, workforce development, and economic development strategies, Career Pathway Certificates support transitions for students coming to community college to reach their goals:

- High school to post-secondary education.
- Pre-college (ABE/GED/ELA/AS) preparation.
- Industry experience, workforce skills, and degree upgrades.

- Career seekers and changers.
- Transferring from community college to university.

Career Pathways provide opportunities to earn short-term certificates (12-44 credits) that prepare students for specific career opportunities. Career Pathway Certificates can lead to completion of one-year certificates, two-year Associates 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. See an academic advisor for more information.

## Focus awards

Focus awards recognize student achievement in certain lower division collegiate interest areas and provide a way for students to deepen their knowledge of a particular subject. RCC focus awards consist of at least 18 credits, contain required core courses that must be completed at RCC, and are designed to complement the Associate of Arts Oregon Transfer degree, Associate of Science degrees, and/or the Oregon Transfer 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 student transcripts. RCC currently has one approved focus award in Sustainable Community Development (see Programs of Study section).

## Cooperative Work Experience (CWE)

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

## Practicum/employment considerations

Students in such programs as Early Childhood Education, 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 chair or program coordinator.

## Non-Credit Training Certificates

RCC currently offers two non-credit training certificates, which provide students with shortterm training opportunities for jobs in high demand locally:

- Certified Production Technician
- Commercial Truck Driving

To contact the Continuing Education and Workforce Development office by phone, at <u>www.roguecc.edu</u> click on Directory and for Department, select Continuing Education.

## **Apprenticeships**

Apprenticeship programs at Rogue Community College are your path to many great careers. RCC offers programs that combine part-time classroom instruction and full-time on-the-job training. Programs are competitive and include an application process and committee approval.

## Earn as you learn

Apprentices usually begin at half the salary of journey workers who have completed their training and have industry certification. Apprentices receive pay increases as they learn to perform more complex tasks. When they become journey workers, they increase their chances of finding a well-paying job in industry and may become supervisors or go into business for themselves.

#### Construction Trades, General Apprenticeship

- HVAC
- Plumber
- Sheet Metal
- Assembler, Pre-engineered Metal Buildings
- Construction Trades Apprenticeship students can also earn Certificates and AAS degrees in all three Construction Trades programs.

### **Electrician Apprenticeship Technologies**

- Limited Maintenance Electrician
- Inside Electrician
- Manufacturing Plant Electrician
- Sign Assembler/Maker

Electrician Apprenticeship students can also earn AAS degrees in all four Electrician programs, and Certificates in

- Inside Electrician
- Manufacturing Plant Electrician
- Sign Maker/Erector

#### Industrial Mechanics and Maintenance Technology

- Airframe and Power Plant Technician
- Boiler Operator and Repairer
- Millwright

Industrial Mechanics and Maintenance Technology Apprenticeship students can also earn AAS degrees and Certificates in all three Industrial Mechanics and Maintenance Technology Apprenticeship programs.

As an apprentice, you will:

- Learn to repair, install and maintain a variety of projects using trade-specific tools and techniques.
- Comply with current building codes.
- Comply with Occupational Safety and Health Administration (OSHA) regulations.
- Earn a Certificate of Completion and journey card from the Bureau of Labor and Industries.
- Have the opportunity to earn an Associate of Applied Science or Certificate by completing general education courses.

## Frequently Asked Questions

### Q. What is Apprenticeship?

A. Apprenticeship is not just a job, but a career opportunity! Apprenticeship is a combination of on-the-job training and classroom training. When they become journey workers earning a journey wage, they are able to give back to the industry by training other apprentices or even teaching apprenticeship classes.

### Q. How long must I serve as an apprentice?

A. Typically, apprenticeships last two to five years, depending on industry requirements.

#### Q. How do I receive my on-the-job training?

A. Once you are selected as an apprentice, the employer has promised to provide you training in all of the work processes according to the apprenticeship standards. The employer and the instructor evaluate progress and make recommendations to the apprenticeship committee regarding your advancement in the program.

#### Q. Can I expect steady work as an apprentice?

A. The employer makes every effort to employ the apprentice at least 40 hours a week.

## Q. How do I apply for an apprenticeship program?

A. Individual apprenticeship construction committees notify the public when accepting applications. Apprenticeship announcements are posted at Bureau of Labor and Industries' (BOLI) offices, local schools, community colleges, Oregon Employment Department offices, and community organizations. Announcements contain the details about the application process. For the industrial committees, employers hire and promote from within and then refer their candidates to the Apprenticeship Office.

### Q. How long must I wait for an opening?

A. The waiting period varies by industry and may last from two weeks to two years. It is a competitive process and it's not unusual for people to apply more than once. The apprenticeship coordinator reviews applications for minimum qualifications. Qualified construction applicant's applications are ranked either by an interview, or a random drawing. The applicant is placed on a qualified list called a Pool of Eligibles, in order of their ranking. Industrial applicants are sponsored by an employer and must meet the minimum qualifications listed in the appropriate apprenticeship standards.

## Q. How much pay does an apprentice receive?

A. Although it varies from industry to industry, the average starting wage of an apprentice is 40 to 50 percent of a journey workers rate of pay. Apprentices usually earn a five percent raise every six months if they meet the total work and school hour requirements, and their on-the-job training and school performance is satisfactory.

## Q. Are apprentices required to attend school?

A. Apprentices must attend related classroom training along with on-the-job-training experience. Most programs require at least 144 hours of school per year. This usually works out to one or two evenings per week during the regular school year. Like other aspects of apprenticeship, the local committee determines the related training requirements according to industry standards. Apprentices can earn credit towards an associate degree at a community college for classroom hours or for the completion of an apprenticeship program.

#### Q. Are there age limits for apprentices?

A. Each industry establishes its own minimum age requirement, although the typical minimum age is 18. Except in very limited situations, there are no upper age limits on apprentices.

## Q. What are the minimum educational requirements for apprenticeship?

A. Apprenticeship programs require applicants to have a high school diploma or GED certificate. Some occupations also require one year of high school algebra with a "C" or better or a placement process placing the applicant in Math 65 or higher or a college transcript with a "P" in Math 60, Math 63 or higher.

#### Q. Who pays for the classroom training?

A. It varies among different occupations, industries, and employers. In some cases, apprentices pay the cost of related training. In other cases, industry pays training costs.

## Q. What other costs must be paid by the apprentice?

A. Costs vary by program. Apprentices must have reliable transportation to get to the job and perform work-related errands. Many programs require the apprentice to provide a basic tool kit and/or appropriate work clothes and safety equipment, as well as books for the classes.

## Q. Can I use veterans' benefits as an apprentice?

A. If eligible, an apprentice may use veterans benefits while registered in an apprenticeship program.

### Q. How do I prepare for apprenticeship?

A. Today's competitive industries require employees who are able to perform technical tasks, exercise good judgment, and possess a strong work ethic. The importance of a wellrounded high school education cannot be over emphasized. A strong background in math and science is important. Good attendance is a necessity.

For more information, contact the Apprenticeship Department at 541-956-7184.

## Transferring

## About transferring

www.roguecc.edu/Transfer

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 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.

## 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 institution.

## Transfer advising

Academic and faculty advisers and counselors are available to assist students in developing educational plans that will meet the requirements of their chosen majors and transfer schools. Additionally, students who may be undecided or undeclared in a major have access to RCC counselors and courses designed to assist them in choosing appropriate majors and careers.

Rogue Community College has developed transfer agreements (articulations), and course equivalences with Oregon Tech, Southern Oregon University, Portland State University, University of Phoenix, and Western Governor's University. The college/university connection offers students the option of earning a twoyear degree and the opportunity to enroll in university courses at the same time, easing the transitions to a four-year university.

## University residency requirements

Students should visit individual university websites to plan their transfer education and to determine residency requirements in place for specific institutions.

## **Reverse transfer**

Students who earn a certificate or associates 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 collegelevel 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 Enrollment Services' Forms for Students page 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 advisers for the best option.

The AAOT is generally accepted at selected Oregon private colleges and universities. Students are strongly 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 (ASOT) 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 admissionspecific requirements prior to completing this degree.

## Associate of Science Oregon Transfer – Computer Science (ASOT)

The Associate of Science Oregon Transfer – Computer Science degree 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 Oregon public university.

Completion of the ASOT does not guarantee admission to a specific computer science school or program. Students should use the ASOT-Computer Science university-specific degree requirements guide for specific transfer requirements for individual schools. See an adviser for more information.

### Associate of Science specific program articulations (AS degree)

RCC offers the Associate of Science degree in the specific areas listed below. Students completing this degree will have met all lower-division general education and academic major requirements to obtain junior status in specific programs at specific schools. Students are strongly encouraged to work with faculty advisers in these articulated programs to ensure proper academic planning.

- Business (articulated with SOU)
- Computer and Embedded Systems Engineering Technology (articulated with Oregon Tech)
- Computer Science (articulated with SOU)
  - Cybersecurity (articulated with Oregon Tech)
  - Digital Cinema (articulated with SOU)
  - Early Childhood Development (articulated with SOU)
  - Elementary Education (articulated with SOU)
  - Emerging Media and Digital Arts (articulated with SOU)
  - Engineering transfer to Oregon Tech: Civil, Electrical, Mechanical, or Renewable

Energy (articulated with Oregon Tech)

- Health and Physical Education (articulated with SOU)
- Human Services (articulated with SOU)
- Information Technology (articulated with Oregon Tech)
- Health Informatics (articulated with Oregon Tech)
- Manufacturing/Engineering Technology (articulated with Oregon Tech)
- Outdoor Adventure Leadership (articulated with SOU)
- Software Engineering Technology (articulated with Oregon Tech)

## Associate of General Studies (AGS)

The Associate of General Studies degree (AGS) offers students a useful alternative for direct transfer. It enables students to complete an associate degree tailored to the general education and academic major requirements of the transfer school. Educational planning for the AGS degree should be done with the assistance of academic advisers or counselors.

## **Major Transfer Maps**

A Major Transfer Map is a course plan for a major that, when completed, will allow students to transfer credits from any Oregon community college to any Oregon public university, and count all of those credits toward a bachelor's degree in a specific major. Students can check with their advisors about the availability of any new Major Transfer Maps as they are developed. Currently, Major Transfer Maps have been developed in:

- Biology
- Business
- Computer Science
- Elementary Education
- English Literature

### **Oregon Transfer Module (OTM)**

The Oregon Transfer Module (OTM) provides a one-year curriculum for students who want to transfer to one of Oregon's public universities prior to completing a two-year degree. Students complete one year of general education courses that will be applied to the transfer university general education and academic major requirements. By fulfilling these requirements and meeting the admission standards of the transfer college, students will qualify for sophomore standing.

Students choosing this transfer option are advised to work closely with their faculty advisers to ensure selection of appropriate courses. Upon transfer, students will be required to complete additional general education and academic major requirements specific to the transfer institution. Students should be aware that if they transfer prior to completing this module, courses will be evaluated individually toward the general education requirements of the university of their choice.

Courses in this module may also be applied to an Associate of Arts Oregon Transfer Degree (AAOT) or Associate of Science Oregon Transfer–Business degree (ASOT–Business), thus providing an additional option for students who may start on this track and decide instead to complete a two-year degree.

The Oregon Transfer Module differs from traditional certificates and degrees in that it is a milestone on the path to degree completion and is not eligible for commencement exercises. Such milestones will be noted on students' transcripts.

## Direct transfer

The direct transfer option is for students who have selected a transfer school and academic major and who want to take specific classes for that major and/or transfer to a university. Direct transfer students will be required to meet the transfer school's freshman or transfer admission requirements. These will include a minimum transfer GPA, completion of specific courses (e.g., WR121, MTH111, etc.), and completion of a certain number of transferable credits. Students who do not meet the transfer student criteria must satisfy the new freshman requirements. Students are advised to visit the transfer school's website for specific admission requirements. Students who choose the direct transfer option will have RCC courses evaluated and accepted on a course-by-course basis by the transfer institution.

## Transfer agreements Oregon Tech

#### www.oit.edu

Students may transfer to Oregon Tech at any time or complete an Associate of Science following signed agreements between RCC and Oregon Tech. To be considered for transfer admission, students must have 36 college-level credits including WR115 or higher, MTH95 or higher with a cumulative GPA of 2.25. Oregon Tech works with Rogue Community College to establish meaningful transfer pathways.

Current articulation agreements can be viewed at the OIT Articulations site at: <u>oit.edu/articulations</u>. RCC Transfer to Oregon Tech Guides: <u>https://</u> www.oit.edu/educational-partnerships/transfer-guides?school\_program=873

Transfer Equivalency Tool: <u>https://ssb-</u> prod.ec.oit.edu/PROD/oitcas\_web.p\_ <u>DispEquivalencies</u>

Email <u>outreach@oit.edu</u> for questions about transfer credit.

## Southern Oregon University

#### <u>www.sou.edu</u>

Students earning a degree in areas not covered by an Associate of Science degree have the option of completing all general education coursework at RCC or enrolling at both RCC and Southern Oregon University in their academic major courses. By working with an RCC or SOU adviser, students can design a successful transfer plan. Planning ahead will save students time and money and will provide the opportunity to make a seamless transition to the university. The SOU/RCC joint enrollment program provides many advantages. Joint enrollment means RCC students have access to most SOU facilities, receive coordinated financial aid and admissions, and enjoy eligibility for SOU student or family housing as well as basic health insurance and medical treatment though the SOU Student Health Center. To contact an RCC Advisor by phone, please go to <u>www.roguecc.edu</u> and click on Directory 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 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 (in an area outside of business) with a minimum GPA of 2.5 who want to earn a bachelor's degree. The associate's degree needs to have at least 50 credits of professional/technical credits, not including business or accounting. Up to 124 quarter hours may be transferred to the BAS, and the remaining credits are completed at SOU. The BAS degree requires the completion of 180 quarter credits. If students intend to transfer to the BAS program, transfer courses should be chosen as program electives where possible. See an adviser for more information or visit SOU's Degree Completion page at

www.sou.edu/degreecompletion.

## **University of Phoenix**

#### www.phoenix.edu/roguecc

Students transferring to the University of Phoenix with a completed Associate of Arts from RCC will be considered as satisfying their lower division elective and general education requirements While the chosen program pre- requisites and general education requirements will still need to be met, this otherwise makes the student "Required Course of Study" ready at University of Phoenix. Certain specialized programs are excluded. For additional information, contact Laura Beal, University of Phoenix Community Development Manager, at

Laura.Beal@phoenix.edu.

#### Western Governor's University

#### www.wgu.edu

Oregon Community College graduates can apply for the Go Further with WGU Grant (a competitive scholarship). The scholarship can be used in addition to the 5% tuition discount. More information can be found at their website.

## Affiliations Lane Community College

#### www.lanecc.edu

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 Lane Online. 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. Click the link for information regarding the Physical Therapy Assistant program.

Visit <u>www.lanecc.edu/programs-academics/</u> <u>areas-study/health-medical-and-fitness/</u> <u>physical-therapist-assistant</u>

## Linn-Benton Community College

#### www.linnbenton.edu

RCC partners with Linn-Benton Community College (LBCC) to provide training for occupational therapy assistants in Jackson and Josephine counties. LBCC's Occupational Therapy 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 Occupational Therapy Assistant Associate of Applied Science (AAS) degree, with RCC offering program prerequisites, general education classes and related paperwork.

By taking a combination of RCC classes and distance-learning 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.

Click the link for details on the Occupational Therapy Assistant training., visit <u>www.linnbenton.edu/educational-options/</u> <u>healthcare/occupational-therapy-assistant/</u> <u>index.php</u>

## Transfer advising and articulations

Below is a list of RCC transfer programs and interests. To contact an Advisor for these programs by phone, please go to the RCC directory on the website at <u>www.roguecc.edu/directory.</u>

Transfer Subjects	Degree or Direct Transfer	Transfer Agreements
Art	AAOT or Direct	
Business Administration	ASOT, AS or Direct	Southern Oregon University
Business – Oregon Transfer	ASOT or Direct	
Computer and Embedded Systems Engineering Technology	AS or Direct	Oregon Tech
Communication	AAOT or Direct	
Computer Science	AS or Direct	Southern Oregon University
Computer Science – Oregon Transfer	ASOT or Direct	
Cybersecurity	AS or Direct	Oregon Tech
Dental Hygiene	AGS or Direct	Oregon Tech
Digital Cinema	AS or Direct	Southern Oregon University
Early Childhood Development	AS or Direct	Southern Oregon University
Education (Elementary, Secondary)	AS, AAOT or Direct	Southern Oregon University
Emergency Medical Services Management	AAS or Direct	Oregon Tech
Emerging Media and Digital Arts	AS or Direct	Southern Oregon University
Engineering Transfer	AS or Direct	Oregon Tech (AS) and Portland State (direct)
English/Literature	AAOT, AS or Direct	
Health/Physical Education /Exercise Science	AS or Direct	Southern Oregon University
Health Informatics AS or Direct Oregon Te		Oregon Tech
History	AAOT or Direct	
Human Services	AAS, AS	Southern Oregon University
Information Technology	AS or Direct	Oregon Tech
Manufacturing/Engineering Technology	AAS, AS	Oregon Tech
Mathematics	AAOT or Direct	
Nursing	AGS, AAS or Direct	Oregon Health Sciences University
Outdoor Adventure Leadership	AS or Direct	Southern Oregon University
Pre-Dental Hygiene	AGS or Direct	Oregon Tech
Pre-Physical Therapy	AAOT or Direct	Lane Community College
Psychology	AAOT or Direct	
Sociology/Social Work	AAOT or Direct	
Software Engineering Technology	AS or Direct	Oregon Tech

## Programs of Study

Award	Credit Length*	Programs	Pg #
Associate of Arts Oregon Transfer	Two-year transfer	See the AAOT Program Map on page for additional information.	61
Associate of General Studies	Two-year	See the AGS Program Map on page for additional information.	64
Major Transfer Maps	Two-year transfer		266
Oregon Transfer Module	One-year transfer module	See the OTM Program Map on page for additional information.	66
APPLIED TECHNOLOGY Pathway	1		
Automotive	1	1	
Certificate	One-year	Automotive Specialist	70
Associate of Applied Science	Two-year	Automotive Technology	71
Computer Science	1	1	
Career Pathway Certificate	Less than one year	Computer Support Technician: Computer Software Specialist	73
Associate of Applied Science	Two-year	Computer Support Technician	74
Diesel Technology	1	1	
Certificate	Two-year	Diesel Specialist	76
Associate of Applied Science	Two-year	Diesel Technology	78
Electronics Technology	1	1	
Certificate	One-year	Electronics Technician	80
Certificate	One-year	High Technology Studies	82
Associate of Applied Science	Two-year	Electronics Technology	84
Industrial Welding Technology	-		
Career Pathway Certificate	Less than one year	Industrial Welding Technology: GTAW Welder	
Career Pathway Certificate	Less than one year	Industrial Welding Technology: SMAW Welder	
Career Pathway Certificate	Less than one year	Industrial Welding Technology: Welder's Helper	
Career Pathway Certificate	Less than one year	Industrial Welding Technology: WIRE Welder	
Certificate	Less than one year	Industrial Welding Technology	
Certificate	Less than one year	Industrial Welding Technology: Aluminum Boat Welder	
Associate of Applied Science	Two-year	Industrial Welding Technology	94
Manufacturing Technology	1		
Career Pathway Certificate	Less than one year	Manufacturing/Engineering Technology: CNC Operator	96
Certificate	Less than one year	Manufacturing/Engineering Technology: CNC Technician	98
Associate of Applied Science	Two-year	Manufacturing/Engineering Technology	99
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Manufacturing/Engineering Technology	102
ARTS, HUMANITIES, COMMUNICATION Pathway	1		
Design and Digital Media	1	1	1
Career Pathway Certificate	Less than one year	Design and Digital Media: Adobe® Applications Technician	106
Career Pathway Certificate	Less than one year	Design and Digital Media: Social Media Technician	107
Career Pathway Certificate	Less than one year	Design and Digital Media: UI-UX Technician	
Career Pathway Certificate	Less than one year	Design and Digital Media: Video Production Technician	109
Certificate	One-year	Design and Digital Media	110
Associate of Applied Science	Two-year	Design and Digital Media	111
Associate of Science (transfer to SOU)	Two-year transfer	Digital Cinema	113
Associate of Science (transfer to SOU)	Two-year transfer	Emerging Media and Digital Arts 1	

Award	Credit Length*	Programs	Pg #
BUSINESS Pathway			
Business Technology	1		
Career Pathway Certificate	Less than one year	Business Assistant: Business and Information Specialist	121
Career Pathway Certificate	Less than one year	Business Assistant: Customer Service	122
Career Pathway Certificate	Less than one year	Business Assistant: Retail Sales and Service	123
Career Pathway Certificate	Less than one year	Business Assistant: Small Business Management	124
Certificate	One-year	Business Assistant (Administrative Support, Accounting Assistant, or Assistant Manager)	126
Associate of Applied Science	Two-year	Business Technology	128
Associate of Applied Science	Two-year	Business Technology Accounting Option	130
Associate of Applied Science	Two-year	Business Technology Management and Marketing Option	133
Associate of Science (transfer to SOU)	Two-year transfer	Business	135
Associate of Science Oregon Transfer - Business	Two-year transfer	Business	138
HEALTH PROFESSIONS, PUBLIC SAFETY Pathwa	y		
Allied Health	1		
Career Pathway Certificate	One term	Medical Assistant: Phlebotomy	143
Certificate	Less than one year	Basic Health Care	144
Certificate	Less than one year	Medical Office Assistant	146
Certificate	Less than one year	Pharmacy Technician	147
Certificate	One-year	Medical Assistant	149
Computer Science			
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Health Informatics	151
Dental Assisting	•		
Certificate	One-year	Dental Assisting	154
Emergency Services			
Career Pathway Certificate	Less than one year	Emergency Medical Services: EMT	156
Certificate	One-year	Emergency Medical Services	158
Associate of Applied Science	Two-year	Paramedicine	160
Fire Science	1		
Career Pathway Certificate	Less than one year	Fire Science: Firefighter	162
Associate of Applied Science	Two-year	Fire Science	163
Health and Physical Education	1		
Associate of Science (transfer to SOU)	Two-year transfer	Health and Physical Education	165
Associate of Science (transfer to SOU)	Two-year transfer	Outdoor Adventure Leadership	169
Massage Therapy	1		
Career Pathway Certificate	Less than one year	Massage Therapy: Entry Level Therapist	174
Certificate	One-year	Massage Therapy	176
Nursing			
Certificate	Less than one year	Practical Nursing	178
Associate of Applied Science	Two-year	Nursing	181

Award	Credit Length*	Programs	Pg #
SCIENCE, TECHNOLOGY, ENGINEERING, MATH P	athway		
Computer Science	- (		
Associate of Science (transfer to SOU)	Two-year transfer	Computer Science	188
Associate of Science Oregon Transfer – Computer Science	Two-year transfer	Computer Science	192
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Cybersecurity	194
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Information Technology	197
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Software Engineering Technology	199
Electronics	1		
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Computer and Embedded Systems Engineering	185
Engineering Transfer to Oregon Tech	1	-	
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Engineering transfer to Oregon Tech – Civil	202
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Engineering transfer to Oregon Tech - Electrical	205
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Engineering transfer to Oregon Tech - Mechanical	208
Associate of Science (transfer to Oregon Tech)	Two-year transfer	Engineering transfer to Oregon Tech - Renewable Energy	211
SOCIAL AND BEHAVIORAL SCIENCE EDUCATION	Pathway		
Early Childhood Education	T		
Career Pathway Certificate	Less than one year	Early Childhood Education (Basic)	214
Career Pathway Certificate	Less than one year	Early Childhood Education (Intermediate)	215
Certificate	One-year	Early Childhood Education	217
Associate of Applied Science	Two-year	Early Childhood Education	219
Associate of Science (transfer to SOU)	Two-year transfer	Early Childhood Development	221
Associate of Science (transfer to SOU)	Two-year transfer	Elementary Education	225
Family Support Services			
Career Pathway Certificate	Less than one year	Family Support Services	229
Certificate	One-year	Family Support Services	230
Associate of Applied Science	Two-year	Family Support Services	232
Human Services			
Focus Award	Less than one year	Sustainable Community Development	234
Certificate	One-year	Alcohol and Drug Counselor	235
Associate of Applied Science	Two-year	Human Services	237
Associate of Science (transfer to SOU)	Two-year transfer	Human Services	239
* Estimated, excluding required pre-requisite course	95.		

РАТН	ASSOCIATE OF ARTS OREGON TRANSFER INTERESTS	Pg #
Arts, Humanities, Communication	Art Interest	243
Arts, Humanities, Communication	Communication Interest	244
Arts, Humanities, Communication	English/Literature Interest	246
Social and Behavioral Science, Education	History Interest	247
Science, Engineering, Math	Math Interest	249
Social and Behavioral Science, Education	Psychology Interest	251
Social and Behavioral Science, Education	Sociology/Social Work Interest	253
PATH	ASSOCIATE OF GENERAL STUDIES INTERESTS	
Science, Engineering, Math	Architecture Interest	254
Arts, Humanities, Communication	Art Interest	256
Science, Engineering, Math	Biology Interest	258
Science, Engineering, Math	Chemistry Interest	260
Science, Engineering, Math	Geology Interest	261
Science, Engineering, Math	Physics Interest	263
Science, Engineering, Math	Pre-professional Medicine Interest (Dentistry, Medicine, Optometry, Pharmacy, Veterinary)	265
PATH	MAJOR TRANSFER MAPS	
Science, Engineering, Math	Biology	266
Business	Business	269
Science, Engineering, Math	Computer Science	271
Social and Behavioral Science, Education	Elementary Education	273
Arts, Humanities, Communication	English Literature	276

	PATH	Apprenticeships	Pg #
Associate of Applied Science	Applied Technology	Construction Trades, General Apprenticeship	278
Certificate	Applied Technology	Construction Trades, General Apprenticeship	280
Career Pathway Certificate	Applied Technology	Construction Trades, Assembler, Pre-Engineered Metal Buildings	282
Associate of Applied Science	Applied Technology	Electrician Apprenticeship Technologies	283
Certificate	Applied Technology	Electrician Apprenticeship Technologies	286
Certificate	Applied Technology	Electrician Apprenticeship Technologies: Limited	288
Associate of Applied Science	Applied Technology	Industrial Mechanics and Maintenance Technology Apprenticeship	289
Certificate	Applied Technology	Industrial Mechanics and Maintenance Technology Apprenticeship	291
Career Pathway Certificate	Applied Technology	Industrial Mechanics and Maintenance Technology Apprenticeship	292

## What's the best way to get from Point A to Point B?

A straight line.

That's what Rogue Community College is offering with Guided Pathways, a new approach to higher education that not only helps students identify a career path they're passionate about, but also walks them through the process of becoming qualified.

The pathways model has improved student success in many universities and is gaining popularity in community colleges across country. This streamlined education has shown to produce more qualified students and lead to better jobs, which improves quality of life. Each college has the flexibility to build guided programs according to their needs.

Guided Pathways create a clear sequence of courses needed in order to earn a specific degree or certification. This "road map" eliminates confusion and gives students a clear plan for which classes they should take and when, in order to earn their qualifications as fast and affordably as possible. Each student's pathway begins even prior to enrollment, when they meet with an advisor to discuss program options.

In the following pages of this catalog, all degrees and certificates of study are presented in their pathways. From health care professionals to engineers to social workers, digital media specialists, computer programmers and so much more, RCC's Guided Pathways are designed to produce graduates who are well prepared to perform their jobs wellregardless of where they started.

Many students drift through college without a solid plan because

RCC's Guided Pathways are in six areas of study:

**Public Safety** 

Science, Technology, Business **Engineering & Math** Social & Behavioral **Applied Technology Science**, Education Art, Humanities, Health Professions,

they're not sure what career they want to pursue, or which courses will make them qualified to do a job they want. This results in costing extra time and money, which leads to more frustration and the risk of dropping out of school. Guided Pathways changes all that.

The goal is for students to be are aware of what they're getting into before they choose a degree program or sign up for their first class. RCC advising case managers work very closely with each student to decide which program suits their interests. Then they provide guidance every step of the way, from enrollment to graduation, making sure students are staying on track and getting all the courses and credits they need to achieve their goals, whether that's a certificate, associate's degree, or a transfer degree to a four-year university.

The pathways philosophy and the community college mission share this philosophy: no one should be kept from earning a college degree based on their background or social status. RCC advising case managers and staff gladly provide resources for overcoming obstacles, whether that's financial assistance, work study, tutoring, and more. RCC faculty get to know the students in the classroom. They provide the one-on-one guidance and help students need.

We encourage students to explore these pathways, and also to explore careers using the Holland Code Quiz available on the RCC Website. Then, working with advising case managers, choose the best pathway for success at RCC and in life.

Communication

## 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.

## **Program Learning Outcomes**

The Higher Education Coordinating Commission has 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 <u>www.roguecc.edu/general-ed-outcomes</u>.

## **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

## **Foundational Skills Requirements**

## Course No.Course TitleCreditsWriting 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
<b>Oral Communication</b>	n (minimum one course required)	
COMM111	Fundamentals of Public Speaking	4
COMM115	Introduction to Intercultural Communication <sup>1</sup>	4
COMM218	Interpersonal Communication	4
Mathematics		
(minimum one course i	required; prerequisite: MTH95 or MTH96)	
MTH105	Introduction to Contemporary Mathematics <sup>2</sup>	4
MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH211,212,213	Fundamentals of Elementary Math I, II, III	4-4-4
MTH243	Probability and Statistics <sup>2</sup>	4

MTH254	Vector Calculus	5
MTH256	Differential Equations	5
MTH261	Linear Algebra	5
	Education	0
Fitness/Health/Physical	Education	
(minimum one of more cours	ses totaling at least 3 credits)	1
HEITZ	Emergency First Ald	1
HE199	Special Studies: Health and Wellness Issues	variable
HE208	HIV and Infectious Diseases	1
HE250	Personal Health	3
HE252	First Aid/CPR	3
HE253	Wilderness First Aid	3
HE259	Care and Prevention of Athletic Injury	3
HE261	CPR/Basic Life Support Provider	1
HPE295	Health and Fitness for Life	3
PF185	Activity Courses	1-3
PE199	Snerial Studies	variable
		Valiable
Discipline Studie	es Requirements	
Course No.	Course Title	Credits
<b>Humanities Requiremer</b>	nt	
(minimum three courses from	n the following list chosen from at least two disciplines)	
ART204,205,206	History of Art I, II, III <sup>1</sup>	4-4-4
COMM100	Basic Communication	3
COMM111	Fundamentals of Public Speaking <sup>3</sup>	4
COMM115	Introduction to Intercultural Communication $^{1,3}$	4
COMM201	Media and Society	Д
COMM218	Internetional Communication 3	т Л
	Small Group Communication and Broblem Solving	4
	Sinan Group Continunication and Froblem Solving	4
		4
		3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical <sup>1</sup>	4
ENG108	World Literature: Medieval to Renaissance <sup>1</sup>	4
ENG109	World Literature: Enlightenment to Modern <sup>1</sup>	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature <sup>1</sup>	4
ENG260	Introduction to Women Writers <sup>1</sup>	4
ENG275	The Rible as Literature	Д
HUM101	Introduction to Humanities: Classical to Medieval 1	т Л
	Introduction to Humanities: Classical to Medicial	т Л
	Introduction to Humanities. Remanstricter to 20th Conturn 1	4
	Native American Arte and Cultures: Eckima/Invit 1	4
	Native American Arts and Cultures. ESKIIIO/IIIUIL '	4
	Native American Arts and Cultures. First Nations of the NorthWest Coast 1	4
	Ivalive American Arts and Cultures: Nations of the Plains	4
HUMZ18	Native American Arts and Cultures: Nations of the Southwest '	4
HUM219	Native American Arts and Cultures: Peoples of Mexico <sup>1</sup>	4
15110	Introduction to International Studies <sup>1</sup>	4
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music History	4

4

5-5-5

Inferential Statistics

Calculus I, II, III

MTH244 MTH251,252,253

MUS205 MUS206 MUS208 MUS261 MUS262 MUS263 MUS264 MUS265 MUS266 PHL101,102,103 REL201 REL243 SPAN201,202,203	History of Jazz Introduction to Rock Music Film Music History of Western Music I: Ancient to Baroque History of Western Music II: Classical to Romantic History of Western Music III: 20th Century to Modern Day History of Rock I: The Roots of Rock History of Rock II: Rock's Golden Age History of Rock III: Heavy Metal to Hip Hop Philosophical Problems, Ethics, Critical Reasoning World Religions <sup>1</sup> Nature, Religion and Ecology <sup>1</sup> Second Year Spanish I, II, III <sup>1</sup>	3 3 4 4 4 4 3 3 3 3 4-4-4 4 4-4-4
Social Science Requirem	nent	
(at least four courses from th	ie following list chosen from at least two disciplines)	
ANIHITO	Introduction to Cultural Anthropology '	4
ANIHIOU	Introduction to Archaeology	4
CJ100 CJ201/SOC221	rounudions diu Einits in Chininal Justice	4
C1201/30C221	Crime Justice and Diversity 1	4
FCON201	Principles of Microeconomics	4
FCON202	Principles of Macroeconomics	ч Д
GEOG110	Introduction to Human Geography <sup>1</sup>	4
GEOG120	World Regional Geography	3
HST104	World Civilizations: Prehistory - Middle Ages <sup>1</sup>	4
HST105	World Civilizations: Byzantium - Present <sup>1</sup>	4
HST201	U.S. History through Reconstruction <sup>1</sup>	4
HST202	U.S. History: Post-Reconstruction - Present <sup>1</sup>	4
PS201	U.S. Government: Institutions and Policy	4
PS202	U.S. Government: Ideologies and Political Participation	4
PS203	State and Local Government	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction to Abnormal Psychology	4
PSY228	Introduction to Positive Psychology	4
PSY231	Human Sexuality	3
SOC204	Introduction to Sociology <sup>1</sup>	4
SOC205	American Society <sup>1</sup>	4
SOC213	Race and Ethnicity in the U.S. <sup>1</sup>	4
SOC218	Sociology of Gender <sup>1</sup>	4
SOC225	Social Problems and Solutions <sup>1</sup>	4
SOC228	Environment and Society <sup>1</sup>	4
SOC230	Introduction to Gerontology	4
SOC235/HST259	The Chicano/Latino Historical Experience <sup>1</sup>	4
SOC243/CJ243	Drugs, Crime and Addiction	4
SUC244/CJ200	Introduction to Criminology	4

### Science/Math/Computer Science Requirement

(Four courses required of which three must be lab sciences from the Lab Science list. The fourth course may be a lab or non-lab science, math or computer science. Note: Maximum of three courses from any one discipline or prefix and only one of the four courses can be a regional field studies course indicated by asterisk).

#### **Lab Science Courses**

BI101,102,103	Introduction to Biology I, II, III w/lab (non-majors)	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CHEM221,222,223	General Chemistry I, II, III w/lab and recitation	5-5-5

G101,102,103 GS104 GS107 GS108 GS170 * PH201,202,203 PH211,212,213	Introduction to Geology I, II, III w/lab Physical Science: Physics w/lab Physical Science: Astronomy w/lab Physical Science: Oceanography w/lab Regional Field Studies (includes lab) General Physics, I, II, III w/lab and recitation General Physics (Calculus Based) I, II, III w/lab and recitation	4-4-4 4 4 4 5-5-5 5-5-5 5-5-5
Non-lab Science/Mat	h/Computer Science Courses	
CS160	Introduction to Computer Science	4
CS161J,162J	Computer Science I, II (Java)	4-4
CS161U,162U	Computer Science I, II (C++)	4-4
CS260	Data Structures I	4
ENV111	Introduction to Environmental Science	3
G100	Fundamentals of Geology	3
MTH105	Introduction to Contemporary Mathematics <sup>4</sup>	4
MTH111	College Algebra <sup>4</sup>	4
MTH112	Elementary Functions <sup>4</sup>	4
MTH211,212,213	Fundamentals Elementary Math I, II, III <sup>4</sup>	4-4-4
MTH243	Probability and Statistics <sup>4</sup>	4
MTH244	Inferential Statistics <sup>4</sup>	4
MTH251,252,253	Calculus I, II, III 4	5-5-5
MTH254	Vector Calculus <sup>4</sup>	5
MTH256	Differential Equations <sup>4</sup>	5
MTH261	Linear Algebra 4	5
NFM225	Nutrition	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.

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:

1 Meets cultural literacy criteria (one course required).

2 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.

90

3 May be taken if not used to fulfill oral communication foundational requirement.

4 May be taken if not used to fulfill mathematics foundational requirement.

For more information, contact the Advising office:

Phone	
Email	AAOTInfo@roguecc.edu
Web address	www.roquecc.edu
ΠΥ	

## 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.

If planning on a specific interest within the Associate of General Studies, see an academic advisor. https://web.roguecc.edu/advising

## **Program Learning Outcomes**

The Higher Education Coordinating Commission has approved certain general education outcomes for courses selected to apply toward degree requirements. All courses listed meet those identified outcomes. For more information see this catalog or visit <a href="http://www.roguecc.edu/general-ed-outcomes">www.roguecc.edu/general-ed-outcomes</a>.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **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	Credit
CIS120	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer proficiency within the	
	past ten years <sup>1</sup>	0-2
COMM100	Basic Communication <sup>2</sup> or	
	COMM111 Fundamentals of Public Speaking or	
	COMM115 Introduction to Intercultural Communication or	
	COMM218 Interpersonal Communication	3-4
PSY101	Psychology of Human Relations or	
	BT101 Human Relations in Organizations	3
MTH105	Introduction to Contemporary Math <sup>3</sup> or	
	MTH111 College Algebra or	
	MTH211 Fundamentals of Elementary Math or	
	MTH243 Probability and Statistics with lab <sup>3</sup> or	
	MTH251 Calculus I (Differential) with lab or higher-level math	4-5
WR121	English Composition I	4
Total General E	ducation Credits	14-18
<b>Core Require</b>	ements	
Course No.	Course Title	Credits
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.	
-	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	54-58
Total Other Credits		54-58
MINIMUM TOTAL PROGRAM CREDITS		90
1.5		

1 Required for graduation.

2 Note: Certain Oregon universities will not accept COMM100 as meeting the oral communication or speech requirement. If you plan to transfer to an Oregon university, ask your advisor if completing the AAOT Oregon Transfer Degree may be your best option.

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 24 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 adviser for more information.

For more information, contact the Advising office:

	5	
Phone		541-956-7500
Email		AGSInfo@roguecc.edu
Web address		
ΠΥ		Oregon Telecom Relay Service, 711

## **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 (ASOT–Business), and the Associate of Science Oregon Transfer – Computer Science degree (ASOT–Computer Science), 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, ASOT–Business or ASOT–Computer Science major. It is critical to consult with your faculty advisor.

## **Program Learning Outcomes**

The Higher Education Coordinating Commission has 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 <u>www.roguecc.edu/general-ed-outcomes</u>.

## **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies.

## **Completion Requirements**

Students must complete all required courses with a grade of "C" or better to complete the Oregon Transfer Module. Certain required courses may be graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. It is important to note that this module is neither a certificate nor a degree. Upon successful completion of coursework, students will have the Oregon Transfer Module noted on their RCC academic transcripts. In order for the Oregon Transfer Module designation to be posted, students must complete an application for graduation prior to completing the Oregon Transfer Module. Graduation applications are available at www.roguecc.edu/enrollmentservices/forms.asp

## **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
<b>Oral Communication</b>		
(one course required)		
COMM111	Fundamentals of Public Speaking	4
COMM115	Introduction to Intercultural Communication	4
COMM218	Interpersonal Communication	4
Mathematics		
(one course required)		
MTH105	Introduction to Contemporary Mathematics <sup>1</sup>	4
MTH111	College Algebra	4
MTH112	Elementary Functions	4
MTH211,212,213	Fundamentals of Elementary Math I, II, III	4-4-4
MTH243	Probability and Statistics <sup>1</sup>	4
MTH244	Inferential Statistics	4
MTH251,252,253	Calculus I, II, III	5-5-5
MTH254	Vector Calculus	5
MTH256	Differential Equations	5
MIH261	Linear Algebra	5

## TOTAL FOUNDATIONAL SKILLS CREDITS

## Introduction to Discipline Requirements

## Humanities

(three courses required)

AH204,205,206History of Art1, II, III (sequence recommended for att majors transferring to a university art program)4.4.4COMM100Basic Communication3COMM111Fundamentals of Public Spasking (if not taken to fulfill oral Communication requirement)4COMM201Interoduction to Intercultural Communication (if not taken to fulfill oral Communication traction requirement)4COMM201Metia and Society4COMM225Small Group Communication and Problemsolving4COMM237Communication and Gender3COMM276Introduction to Literature (Fiction)4COMM276Introduction to Literature (Totion)4COMM276Introduction to Literature (Poetry)4COMM270Wold Literature: Andrea4COMM270Wold Literature: Medieval to Renaissance4COMM270Wold Literature: Medieval to Renaissance4COMM270Wold Literature: Medieval to Renaissance4COM270Shakespeare I, II4COM270Introduction to English Literature: 19th Century to Romantic4COM270Introduction to Modern4 <td< th=""><th>Course No.</th><th>Course Title</th><th>Credits</th></td<>	Course No.	Course Title	Credits
art program44-4COMM10Basic Communication3COMM111Fundamentals of Public Speaking (if not taken to fulfill oral Communication requirement)4COMM218Interpressonal Communication requirement)4COMM218Interpressonal Communication and Problem-solving4COMM225Small Group Communication and Problem-solving4COMM270Argumentation and Debate3COMM270Argumentation and Debate3COMM270Argumentation and Debate4ENG104Introduction to literature (Fittion)4ENG105Introduction to literature (Potrana)4ENG106Introduction to literature (Potrana)4ENG107Wold Uterature: Andient to Cassical4ENG108Wold Uterature: Andient to Cassical4ENG201Stabespare I, II4ENG202Shabespare I, II4ENG203Introduction to finglish Literature: Birle Centure Romantic4ENG204Introduction to finglish Literature: Birle Centure Romantic4ENG205Introduction to finglish Literature: Strona to Modern4ENG205Survey of American Literature: Colonail4ENG205Survey of American Literature: Colonail4ENG205Introduction to finglish Literature: Birle Century Romantic4ENG206Introduction to finglish Literature: Strona to Modern4ENG205Introduction to finglish Literature: Strona to Modern4ENG205Introduction to findlish Literature: Str	ART204,205,206	History of Art I, II, III (sequence recommended for art majors transferring to a university	
COMM100Basic Communication3COMM111Fundamentals of Public Speaking (if not taken to fulfill oral Communication requirement)4COMM201Introduction to Intercultural Communication requirement)4COMM212Small Gong Communication requirement)4COMM225Small Gong Communication and Problem solving4COMM226Small Gong Communication and Problem solving4COMM270Argumentation and Debte3COMM270Argumentation and Debte3ENG104Introduction to Literature (Fiction)4ENG105Introduction to Literature (Paring)4ENG106Introduction to Literature (Paring)4ENG107Wold Literature: Releval to Renaissance4ENG108Wold Literature: Helleval to Renaissance4ENG201_202Shakspeare I, II4ENG205Introduction to English Literature: Weleval to Renaissance4ENG205Introduction to English Literature: Weleval to Renaissance4ENG205Introduction to English Literature: Wolf and the South Sou		art program)	4-4-4
CDMM111 Fundamentals of Public Speaking (if not taken to fulfill oral Communication requirement) 4   COMM011 Introduction to Intercurvationation 4   COMM0218 Interpersonal Communication and Publem-solving 4   COMM0217 Small Group Communication and Publem-solving 4   COMM0218 Interpersonal Communication and Publem-solving 4   COMM0270 Argumentation and Debate 3   ENG104 Introduction to Literature (Fiction) 4   ENG105 Introduction to Literature (Poetry) 4   ENG106 Introduction to Literature (Poetry) 4   ENG107 Wold Literature: Ancient to Classical 4   ENG108 World Literature: Enlightemment to Modern 4   ENG204 Introduction to English Literature: Medieval to Renaissance 4   ENG205 Introduction to English Literature: Weldeval to Renaissance 4   ENG205 Introduction to English Literature: Colonial 4   ENG205 Introduction to English Literature: Colonial 4   ENG254 Survey of American Literature: Colonial 4   ENG255 <	COMM100	Basic Communication	3
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COMM218 Interpersonal Communication of Netwer to Hulli oral Communication requirement) 4   COMM225 Snall Group Communication and Nethers Solving 4   COMM270 Communication and Debate 3   ENG104 Introduction to Literature (Fiction) 4   ENG105 Introduction to Literature (Poetry) 4   ENG106 Introduction to Literature (Poetry) 4   ENG107 World Literature: Ancient to Classical 4   ENG108 World Literature: Ancient to Classical 4   ENG201 Shasepare I, II 44   ENG204 Introduction to English Literature: Netlewal to Renaissance 4   ENG205 Introduction to English Literature: Netlewal to Renaissance 4   ENG206 Introduction to English Literature: 20th Century to Romantic 4   ENG205 Survey of American Literature: 20th Century 4   ENG254 Survey of American Literature: 20th Century 4   ENG255 Survey of American Literature: 20th Century 4   ENG256 Introduction to Humanities: Classical to Medieval 4   HUM101 Introduction to	COMM201	Media and Society	4
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MUS201Exploring Music: Introduction to Music History4MUS205History of Jazz3MUS206Introduction to Rock Music3MUS208Film Music3MUS201History of Western Music I: Ancient to Baroque4MUS262History of Western Music II: Classical to Romantic4MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock III: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4-4-4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS108	Music in World Cultures	4
MUS205History of Jazz3MUS206Introduction to Rock Music3MUS208Film Music3MUS261History of Western Music I: Ancient to Baroque4MUS262History of Western Music II: Classical to Romantic4MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock I: The Roots of Rock3MUS266History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS201	Exploring Music: Introduction to Music History	4
MUS206Introduction to Rock Music3MUS208Film Music3MUS261History of Western Music I: Ancient to Baroque4MUS262History of Western Music II: Classical to Romantic4MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS205	History of Jazz	3
MUS208Film Music3MUS261History of Western Music I: Ancient to Baroque4MUS262History of Western Music II: Classical to Romantic4MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS206	Introduction to Rock Music	3
MUS261History of Western Music I: Ancient to Baroque4MUS262History of Western Music II: Classical to Romantic4MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS208	Film Music	3
MUS262History of Western Music II: Classical to Romantic4MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS261	History of Western Music I: Ancient to Baroque	4
MUS263History of Western Music III: 20th Century to Modern Day4MUS264History of Rock I: The Roots of Rock3MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS262	History of Western Music II: Classical to Romantic	4
MUS264History of Rock I: The Roots of Rock3MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS265History of Rock II: Rock's Golden Age3MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS264	History of Rock I: The Roots of Rock	3
MUS266History of Rock III: Heavy Metal to Hip Hop3PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS265	History of Rock II: Rock's Golden Age	3
PHL101,102,103Philosophical Problems, Ethics, Critical Reasoning4-4-4REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	MUS266	History of Rock III: Heavy Metal to Hip Hop	3
REL201World Religions4REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	PHL101,102,103	Philosophical Problems, Ethics, Critical Reasoning	4-4-4
REL243Nature, Religion and Ecology4SPAN201,202,203Second Year Spanish I, II, III4-4-4	REL201	World Religions	4
SPAN201,202,203 Second Year Spanish I, II, III 4-4-4	REL243	Nature, Religion and Ecology	4
	SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

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#### **Social Science**

(three courses required)

(unee 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
CJ200/SOC244	Introduction to Criminology	4
CJ201/SOC221	Juvenile Delinquency	4
CJ214	Criminal Justice and Diversity	4
ECON201	Principles of Microeconomics	4
ECON202	Principles of Macroeconomics	4
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
PS201	U. S. Government: Institutions and Policy	4
PS202	U. S. Government: Ideologies and Political Participation	4
PS203	State and Local Government	4
PSY201,202	General Psychology I, II	4-4
PSY215	Life Span Human Development	4
PSY219	Introduction Abnormal Psychology	4
PSY228	Introduction to Positive Psychology	4
PSY231	Human Sexuality	3
SOC204,205	Introduction to Sociology, American Society	4-4
SOC213	Race and Ethnicity in the U.S.	4
SOC218	Sociology of Gender	3
SOC225	Social Problems and Solutions	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC235/HST259	The Chicano/Latino Historical Experience	4
SOC243/CJ243	Drugs, Crime and Addiction	4

Science/Math/Computer Science <sup>2</sup> (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
Lab Science Courses		
BI101,102,103	Introduction to Biology I, II, III w/lab (non-majors)	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CHEM221,222,223	General Chemistry I, II, III w/lab and recitation	5-5-5
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies (includes lab)	4
PH201,202,203	General Physics, I, II, III w/lab and recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and recitation	5-5-5
Non-lab Science/Math	n/Computer Science Courses	
CS160	Introduction to Computer Science	4
CS161J,162J	Computer Science I, II (Java)	4-4
CS161U,162U	Computer Science I, II (C++)	4-4

4

CS260

Data Structures I

ENV111	Introduction to Environmental Science	3
MTH105	Introduction to Contemporary Mathematics <sup>1, 2</sup>	4
MTH111	College Algebra <sup>2</sup>	4
MTH112	Elementary Functions <sup>2</sup>	4
MTH211,212,213	Fundamentals of Elementary Math I, II, III <sup>2</sup>	4-4-4
MTH243	Probability and Statistics <sup>1, 2</sup>	4
MTH244	Inferential Statistics <sup>2</sup>	4
MTH251,252,253	Calculus I, II, III <sup>2</sup>	5-5-5
MTH254	Vector Calculus <sup>2</sup>	5
MTH256	Differential Equations <sup>2</sup>	5
MTH261	Linear Algebra <sup>2</sup>	5
NFM225	Nutrition	4
TOTAL DISCIPLIN	IE REQUIREMENTS CREDITS	30-39

## **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

1 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.

2 If a math class is selected, it must be in addition to the mathematics foundational requirement.

For more information, contact the Advising office:

Phone	
Email	<u>OTMInfo@roguecc.edu</u>
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

46-56

## AUTOMOTIVE

## **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.

## **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Automotive Technology Certificate of Completion are:

Diagnose, repair and document all major vehicle systems.

Effectively locate and utilize technical information required for vehicle repairs.

Work safely and responsibly within all shop standards and environmental guidelines

Apply employer expectations and ethical work practice.

## **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Automotive Technology Department Chair's approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policies and the department chair's approval.

## **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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Program email address: AutomotiveInfo@roguecc.edu

TOTAL	PROGRAM	CREDITS
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Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
MTH20	Pre-algebra		or designated placement score
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90)
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-14		
Fall	Check in with Advisor		
AM120	Automotive Maintenance and Practices		fall/spring terms only
AM120L	Automotive Maintenance and Practices Lab		fall/ spring terms only
AM122	Gasoline Engines Rebuild		fall term only
AM122L	Gasoline Engines Rebuild Lab		fall term only
BT113	Business English I	WR115	or higher-level composition course
<b>Term Credit</b>	ts: 17		
Electricity for Automotive Technicians		winter term only	
--	---------	-----------------------------	
Electricity for Automotive Technicians Lab		winter term only	
Engine Dynamics and Diagnosis		winter term only	
Engine Dynamics and Diagnosis Lab		winter term only	
Term Credits: 13			
Manual Transmissions and Transaxles		spring term only	
Manual Transmissions and Transaxles Lab		spring term only	
Automotive Brake Systems		spring term only	
Automotive Brake Systems Lab		spring term only	
Applied Algebra I	MTH60	or higher-level math course	
Term Credits: 16			
Check in with Advisor			
Automotive Repair Lab I	AM270/L	summer term only	
Human Relations in Organizations	PSY101		
Emergency First Aid			

#### Term Credits: 8

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

To more mornation, contact the Automotive recimology Department.	
Phone	541-956-7500
Email	<u>eInfo@roguecc.edu</u>
Web address	ecc.edu/automotive
TTY Oregon Telecom	1 Relay Service, 711

## **Automotive Technology**

Associate of Applied Science Degree

## About the Program

Winter AM111 AM111L AM131 AM131L

**Spring** AM141 AM141L AM151 AM151L MTH63

**Summer** AM190 BT101 HE112

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 adviser for more information, or visit <u>http://www.oit.edu/academics/academic-agreements/articulations</u>.

## **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Automotive Technology Associate of Applied Science are:

Diagnose, repair and document all major vehicle systems.

Effectively locate and utilize technical information required for vehicle repairs.

Work safely and responsibly within all shop standards and environmental guidelines.

Apply employer expectations and ethical work practice.

Successfully pass at least two Automotive Service Excellence (ASE) technical skill assessments.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process. Students must also meet certain program requirements in the first and third terms, and complete any prerequisites before advancing in the program.

## **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification and industry experience may be substituted for some coursework in accordance with college policy and the department chair's approval.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

## TOTAL PROGRAM CREDITS

TOTAL PROC Program email ad	<b>GRAM</b> ddress:	CREDITS AutomotiveInfo@roguecc.edu		93-94
Course No.	Cour	se Title	Alternate Course	Comments
Program P	rereg	Juisites		
MTH20 WR90	Pre-al Funda	gebra mentals of Composition	WR91	or designated placement score or designated placement score; WR91 fulfills RD90/WR90
RD90	Colleg	je Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
CIS120	Conce	pts in Computing I <sup>1</sup>		Required for graduation
	Prere Place	equisites - credits vary based on ement Score(s): 0-14		
Fall	Chec	k in with Advisor		
AM120 AM120L AM122 AM122L BT113	Auton Auton Gasoli Gasoli Busin	notive Maintenance and Practices notive Maintenance and Practices Lab ine Engines Rebuild ine Engines Rebuild Lab ess English I	WR115	fall/spring terms only fall/spring terms only fall term only fall term only or higher-level composition course
	Term	Credits: 17		
Winter AM111 AM111L AM131 AM131L	Electri Electri Engin Engin	icity for Automotive Technicians icity for Automotive Technicians Lab e Dynamics and Diagnosis e Dynamics and Diagnosis Lab		winter term only winter term only winter term only winter term only
	Term	Credits: 13		,
Spring				
AM141 AM141L AM151 AM151L	Manu Manu Auton Auton	al Transmissions and Transaxles al Transmissions and Transaxles Lab notive Brake Systems notive Brake Systems Lab		spring term only spring term only spring term only spring term only spring term only
	Term	Credits: 12		
<b>Summer</b> AM190 AM270 AM270L	Chec Auton Air Co Air Co	<b>k in with Advisor</b> notive Repair Lab I nditioning for Automotive Technicians nditioning for Automotive Technicians Lab		summer term only summer term only summer term only
	lerm	Credits: 9		
Fall AM160 AM160L AM232 AM232L MTH63	Auto S Auto S Comp Comp Applie	Suspension and Steering Systems Suspension and Steering Systems Lab uterized Engine Management Systems uterized Engine Management Systems Lab ed Algebra I	MTH60	fall term only fall term only fall term only fall term only or higher-level math course
	Term	Credits: 17		
<b>Winter</b> AM233 AM233L AM242	Advar Adv. A Auton	iced Automotive Computer Systems utomotive Computer Systems Lab natic Transmissions and Transaxles		winter term only winter term only winter term only
AM242L	Auton <b>Term</b>	natic Iransmissions and Transaxles Lab Credits: 14		winter term only

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541-956-7500

#### Spring AM210 Mechanical Careers Development **Cooperative Work Experience/Automotive** AM280 AM290 Human Relations in Organizations PSY101 BT101 COMM100 **Basic Communication** HE112 **Emergency First Aid** HE261 **Term Credits: 12**

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years. For more information, contact the Automotive Technology Department: Phone ..... 

Web address..... ΠΥ ..... ..... Oregon Telecom Relay Service, 711

## **COMPUTER SCIENCE**

## **Computer Support Technician: Computer Software Specialist Career Pathway 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 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. This is not an aid-eligible program. The Career Pathway Certificate is the first step towards the Computer Support Technician Associate of Applied Science degree.

### **Program Learning Outcome**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcome for the Computer Support Technician: Computer Software Specialist Career Pathway Certificate is:

Apply standard business productivity software to support electronic projects.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## 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 Pathway Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor.

#### **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive a Career Pathways Certificate in Computer Software Specialist. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### **TOTAL PROGRAM CREDITS**

ComputerScienceInfo@roquecc.edu Program email address:

**Course Title** Course No.

Alternate Course

Comments

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## **Program Prerequisites**

CIS120	Concepts in Computing I <sup>1</sup>
MTH65	Fundamentals of Algebra II

RD90 WR90	College Reading Fundamentals of Composition	WR91 WR91	WR91 fulfills RD90/WR90 WR91 fulfills RD90/WR90
	Prerequisites - credits vary based Placement Score(s): 0-14	on	
<b>Term 1</b> CIS125PT CIS125DB CIS125WW	<b>Check in with Advisor</b> Effective Presentations Database Management Systems Word Processing Applications (Microsoft	Word)	fall term only
	Term Credits: 8		
Term 2			
CIS125SS CIS140	Spreadsheet Applications Introduction to Operating Systems		
	Term Credits: 8		
1 Approved Com For more information,	puter Information Science or Computer Science cla , contact the Computer Information Science Department:	ss, CIS120/CS120 or above, or documented comp	outer proficiency within the past ten years.
Phone			
Email			<u>ComputerScienceInfo@roguecc.edu</u>
Web address			<u>www.roguecc.edu/computerscience</u>
ΠΥ			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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Computer Support Technician Associate of Applied Science are:

Recommends appropriate equipment acquisitions, maintenance, upgrade and life-cycling in the workplace.

Applies operating system and hardware concepts and principles to problem solving in the context of computer systems.

Apply standard business productivity software to support electronic projects.

Outlines basic troubleshooting processes and procedures from initial diagnosis to final documentation and reporting.

Develops technical documentation to support organizational needs to interact and communicate effectively.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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.

#### **Graduation Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive their degrees. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email a	ddress: <u>ComputerScienceInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program F	Prerequisites		
CIS120 MTH63 WR115	Concepts in Computing I <sup>1</sup> Applied Algebra I Introduction to Expository Writing	MTH60	or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
CIS140 MTH96 WR121 CIS125DB	Introduction to Operating Systems Applied Algebra II English Composition I Database Management Systems	MTH65	or higher-level math
	Term Credits: 15		
Winter			
EIST79 BT178 COMM218	Introduction to Networks Customer Service Interpersonal Communication	COMM11	winter/summer only or COMM225 (two COMM courses)
WR227	Technical Writing	WR122	required for program
	Term Credits: 15		
Spring			
CIS125WW COMM225	Word Processing Applications (Microsoft Word) Small Group Communication and Problem-solvir	ng COMM111	or COMM225 (two COMM courses
CIS227 CIS240 CIS125V	PC Hardware Fundamentals and Repair Advanced Operating Systems Visio		required for program)
	Term Credits: 15		· · · · · · · · · · · · · · · · · · ·
Fall	Check in with Advisor		
PSY101 HE250 CIS125SS BA101 CIS125PT	Psychology of Human Relations Personal Health Spreadsheet Applications Introduction to Business Effective Presentations	HE112, 252, 261 or HPE295	fall term only
	Term Credits: 16		
Winter			
CIS225 CS133C#	Computer End-user Support I Programming Fundamentals Using C#		winter term only winter term only or CS160 (fall/spring term only) or CS161U (fall term only) or programming language course
CIS284	Network Security Fundamentals		
BA109	Ready, Set, Work: lechniques for Landing A Job		or approved program elective.
	ierm Credits: 14		
Spring	Advanced Operating Systems Linux		
CIS279 CS275	Network Operating Systems - Linux Data Base Development I	SOC237	CS275 is offered spring term only,
CIS280	Cooperative Work Experience/Computer Informa Term Credits: 15	tion Sciences	

#### **Approved Program Electives**

#### (6-8 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
CIS280	CWE: Computer Information Sciences	variable
CIS285	Network Security II	4
CS133C#	Programming Fundamentals Using C#	4
CS160	Introduction to Computer Science	4
CS161U	Computer Science I	4
CS162U	Computer Science II	4
CS275	Database Development I	4
EET	Any electronics course(s)	variable
MTH	Any math course(s) MTH105 or higher	variable
SOC237	Communication, Relationships and Technology	4
1 Approved Computer I	nformation Science or Computer Science class, CIS120 or above, or documented computer proficiency, precluding the .475 proficiency exam.	

For more mornation, contact the computer science bepartment.	
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

## DIESEL TECHNOLOGY

## 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Diesel Technology Certificate of Completion are:

Work safely within OSHA and industry safety standards.

Diagnose, repair and maintain air and hydraulic brake systems.

Diagnose, repair and maintain parts of the power train.

Diagnose, repair and maintain the HVAC system.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policy and the Department Chair's approval.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

TOTAL PROG	GRAM CREDITS		61-62
Course No.	Course Title	Alternate Course	Comments
Program P	Prereauisites		
MTH20 WR90	Pre-algebra Fundamentals of Composition	WR91	or designated placement score or designated placement score; WP91 fulfile PD90/WP90
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-12		
Fall	Check in with Advisor		
MTH63 CIS120 DS111 DS120	Applied Algebra I Concepts in Computing I Basic Electricity for Diesel Technicians I Diesel Practices	MTH60	or higher-level math
	Term Credits: 17		
Winter			
DS131 WLD101 DS141	Diesel Engine Dynamics and Diagnosis Welding Fundamentals I Heavy Equipment Power Trains	мгс101	or approved Program elective (credits vary)
EEIIUI	introduction to Electronics	WF0121	(credits vary)
	Term Credits: 14		
Spring			
DS113	Diesel Engine Overhaul		
DS151 BT113	Heavy Equipment Brakes Business English I	WR115	or higher-level composition
BITTO	Term Credits: 15		
Summer	Check in with Advisor		
BT101	Human Relations in Organizations	PSY101	
DS232	Heavy Equipment Fuel Systems		
DS270 DS275	Air Conditioning for Diesel lechnicians Preventative Maintenance Inspection		
-	Term Credits: 16		

Approved Program Electives (Students must complete a sufficient number of electives from the list below in order to complete total program credits, 5-6 credits.)

Course No.		Course Title
	Credits	
AM190	Automotive Repair Lab I	4
BA109	Ready, Set, Work: Techniques for Landing a Job	2
DS199	Selected Topic Workshop	1-6
DS280	Cooperative Work Experience/Diesel	variable
DS290	Diesel Repair Lab	3-6
EET101	Introduction to Electronics	3
EET112	Introduction to Mechatronics	5
GS104	Physical Science w/lab	4
MEC103	Industrial Safety	1
MEC124	Hoisting and Rigging	3
MFG121	Manufacturing Processes I	4
MTH65	Fundamentals of Algebra II or higher level math	4-5
WLD101	Welding Fundamentals I	3
WLD112	Technology of Industrial Welding II	6
WR122	English Composition II	4
WR227	Technical Writing	4
	Approved humanities elective (see catalog for approved list of electives)	3-4
		77

Approved social science elective (see catalog for approved list of electives)	3-4
For more information, contact the Diesel Technology Department:	
Phone	
Email	<u>DieselInfo@roguecc.edu</u>
Web address.	
ΠΥΟ	regon 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 (<u>www.sou.edu/degreecompletion</u>) or Oregon Tech's (<u>www.oit.edu/educational-partnerships/articulations</u>) 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 <u>www.sou.edu/degreecompletion</u>.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Diesel Technology Associate of Applied Science are:

Work safely within OSHA and industry safety standards.

Diagnose, repair and maintain air and hydraulic brake systems.

Diagnose, repair and maintain parts of the power train.

Diagnose, repair and maintain the HVAC system.

Diagnose, repair and maintain the steering and suspension systems components.

Diagnose electrical circuits using schematics and current industry equipment.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements. College Now credit will be accepted in accordance with current agreement. Verified Automotive Service Excellence (ASE) certification or industry experience may be substituted for some coursework in accordance with college policy and the department chair's approval.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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#### TOTAL PROGRAM CREDITS

Program email address: DieselInfo@roguecc.edu

Course No.	Course Title	Alternate Course	Comments
Program F	Prerequisites		
MTH20	Pre-algebra		or designated placement score
WR90	Fundamentals of Composition	WR91	or designated placement score;
			WR91 fulfills RD90/WR90
RD90	College Reading	WR91	or designated placement score;
			WR91 fulfills RD90/WR90

	Prerequisites - credits vary based on Placement Score(s): 0-12		
Fall	Check in with Advisor		
MTH63	Applied Algebra I	MTH60	or higher-level math (MTH105 or higher recommended for transfer)
CIS120	Concepts in Computing I		,
DS111 DS120	Basic Electricity for Diesel Technicians I Diesel Practices		
	Term Credits: 17		
Winter			
DS141	Heavy Equipment Power Trains		
DS131 BT113	Diesel Engine Dynamics and Diagnosis Business English I	WR115	or higher-level composition course
	Term Credits: 12		
Spring			
DS113 DS151	Diesel Engine Overhaul Heavy Equipment Brakes		
	Term Credits: 11		
Summer	Check in with Advisor		
BT114 DS270 DS275	Business English II Air Conditioning for Diesel Technicians Preventative Maintenance Inspection	WR121	summer term only
	Term Credits: 14		
Fall			
DS160 WLD111D BT101	Heavy Equipment Suspension and Steering Systems Technology of Industrial Welding for Diesel Human Relations in Organizations	PSY101	PSY101 recommended for transfer
	Term Credits: 14		
Winter			
DS232 DS233 DS290	Heavy Equipment Fuel Systems Computerized Vehicle Management Systems Diesel Repair Lab	WLD112	or approved program elective
MEC103	Industrial Safety		(credits vary) or approved program elective
			(credits vary)
	Term Credits: 11		
Spring			
DS260 DS280 HF112	Hydraulic Systems for Heavy Equipment Cooperative Work Experience/Diesel Technology Emergency Eirst Aid	DS290 HE261	w/Program Advisor approval
MFG121	Manufacturing Processes I	TILZOT	or approved program elective (credits vary)
	Term Credits: 11		
Approve	<b>d Program Electives</b>	ts maximuml in order to	o complete a minimum total of 90 program credits )
Course No			Course Title
Course NO.	Credits		Course little

	Credits	
AM190	Automotive Repair Lab I	4
BA109	Ready, Set, Work: Techniques for Landing a Job	2
DS199	Selected Topic Workshop	1-6
DS280	Cooperative Work Experience/Diesel	variable
DS290	Diesel Repair Lab	3
EET101	Introduction to Electronics	3
EET112	Introduction to Mechatronics	3
GS104	Physical Science w/lab (recommended for transfer)	4
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MEC103	Industrial Safety	1
MEC124	Hoisting and Rigging	3
MFG121	Manufacturing Processes I	4
MTH65	Fundamentals of Algebra II or higher level math	4-5
WLD101	Welding Fundamentals I	3
WLD112	Technology of Industrial Welding II	6
WR122	English Composition II	4
WR227	Technical Writing	4
	Approved humanities elective (see catalog for approved list of electives)	3-4
	Approved social science elective (see catalog for approved list of electives)	3-4
For more information, contact t	he Diesel Technology Department:	
Phone		
Email		DieselInfo@roguecc.edu
Web address		www.roquecc.edu/diesel
ΠΥ		Oregon Telecom Relay Service, 711

## **ELECTRONICS TECHNOLOGY**

## **Electronics Technician**

#### **Certificate of Completion**

#### **About the Program**

The Electronics Technician four-term certificate program is designed for students seeking entry-level electronics technician positions in manufacturing or service industries. The program emphasizes theory fundamentals, practical troubleshooting, and basic electronics design as well as general studies courses. Technical courses involve extensive lab work using industry standard test equipment and practices.

This program will help students gain skills for entry into one of today's most dynamic and broad-based technical fields. Typical occupations include those of field engineers in business or communications fields, or line/maintenance technicians at manufacturing sites. Electronics training also provides excellent positioning for lateral movement into areas such as technical sales or technical writing.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Electronics Technician Certificate of Completion are:

Identify and solve real-world problems through the application of electronics theory and concepts.

Calibrate, test, and repair analog and digital circuitry at the component and circuit level using industry standard test equipment.

Organize, interpret, and use technical information and documentation.

Communicate effectively across a variety of audiences: technicians, engineers, management and customers.

Function collaboratively as a member of a team to achieve specified and measurable results.

Demonstrate flexibility, adaptability, and time management skills commensurate with industry productivity needs.

Demonstrate the ability to adhere to personal and industry safety standards.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology Department Chair's recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services office and the Electronics Technology Department.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address <u>ElectronicsInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
<b>Program</b>	Prerequisites		
MTH20 RD90	Pre-algebra College Reading	WR91	or designated placement score or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score or designated placement score; WPD1 fulfille PD00/WPD1
CIS120	Concepts in Computing L <sup>1</sup>		Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-14		-1 2
<b>Term 1</b> EET125 EET129 MTH60	Check-in with Advisor Electronics Fundamentals I (DC) Introduction to Embedded Systems Fundamentals of Algebra I	MTH63	or higher-level math
	ieim cieuro. 12		
Term 2 EET126 EET130 HE112	Electronics Fundamentals II (AC) Digital Fundamentals I Emergency First Aid <b>Term Credits: 11</b>		
Torm 2			
EET131 EET225 WR115	Digital Fundamentals II Electronics Troubleshooting Introduction to Expository Writing	WR121	or approved program elective (credits vary)
	Term Credits: 11		
<b>Term 4</b> EET140 PSY101 EET132	<b>Check-in with Advisor</b> Solid State Fundamentals Psychology of Human Relations Digital Fundamentals III	BT101 EET127	or approved program elective (credits vary)
	Term Credits: 14		
Approved (6-11 credits red	I Program Electives uired, not to exceed 11 elective credits)		
Course No.	Course Title		Credits
(one to two cour EET215 EET220 FFT225	rses from the list below – check with advisor) Operational Amplifiers and Linea Solid State Devices Electronics Troublesbooting	r Integrated Circuits	5 5 3
EET230 EET240 WR121	Radio Frequency Communication Microcontrollers I English Composition I (if not take	s Fundamentals en as part of core)	5 5 4
(one course from BT121 CIS	n the list below, as needed to meet minimum Digital Marketing and e-Commer Any computer applications course	creats – check with advisor) ce e, CIS125 or above	4 3-4
EET101 EET104 EET112 EET113 FET118	Introduction to Electronics Introduction to Manufacturing Ele Introduction to Mechatronics Exploration of Alternative Energie	ectronics 25 v Svetems	3 4 3 3 5
EET127 EET132 EET180 EET199	Exploring the Raspberry Pi Digital Fundamentals III Cooperative Work Experience/Ele Selected Topics in Technology	ctronics	3 5 4 1-6
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
MTH65	Fundamentals of Algebra II or higher-level math	4
WLD101	Welding Fundamentals	3
1 Approved Computer Information	on Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years.	
For more information, contact the Electro	pnics Technology Department.	
Phone		541-956-7500
Email	<u>Electroni</u>	<u>csInfo@roguecc.edu</u>

www.roguecc.edu/electronics

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#### 

## **High Technology Studies**

**Certificate of Completion** 

## About the Program

Web address....

The High Technology Studies four-term certificate program is designed to expand technical knowledge across a range of technical career areas. Students may specialize in a number of technology areas such as welding, manufacturing, machining, computer aided drafting, electronics, and/or computer science by selecting the appropriate technical electives.

## **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the High Tech Studies Certificate of Completion are:

Identify and solve real-world problems through the application of applied theory and concepts in varied disciplines.

Use industry standard equipment and practices in a variety of disciplines.

Organize, interpret, and use technical information and documentation.

Communicate effectively across a variety of audiences: technicians, engineers, management and customers.

Function collaboratively as a member of a team to achieve specified and measurable results.

Demonstrate flexibility, adaptability, and time management skills commensurate with industry productivity needs.

Demonstrate the ability to adhere to personal and industry safety standards.

## **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Electronics Technology Department chair's recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the Enrollment Services office and the Electronics Technology Department.

## **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

## TOTAL PROGRAM CREDITS

Prerequisites		
Course No.	Course Title	Credits
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years <sup>1</sup>	0-2
MTH20	Pre-algebra or designated placement score	0-4

RD90/WR90	College Reading/Fundamentals of Composition or WR91 Fundamentals of Academic Literacy (WR91 substitutes for	
	both RD90 and WR90) or designated placement score	0-8
Iotal Prerequisite	e Credits	0-14
General Educa	ation Courses	
Course No.	Course Title	Credits
Mathematics (Additional math classes MTH63	may be required as prerequisites to some technical electives.) Applied Algebra I or MTH60 Fundamentals of Algebra I or higher-level math	4-5
Communication		
(one course required)		
BT113	Business English I	
BT114	Business English II	
WR115	Introduction to Expository Writing	2.4
WRIZI	English Composition I	3-4
Health/First Aid		
HE112	Emergency First Aid	1
Human Relations		
BT101	Human Relations in Organizations or	2
Tatal Consul Edu		ن ۱۹۹۵
		11-13
Technology A	rea Credits	
(a minimum of 38 credit	s required)	
Course No.	Course Title	Credits
AM120, AM120L	Automotive Maintenance and Practices w/lab	6
CIS	Any computer applications course, CS/CIS125 or above	uariahla
DDM101	(US12555 strongly recommended) Advanced Animation II	variable
DDM171 DDM226	Advanced 3D Granhics Design II (Maya)	3
DS111	Basic Electricity for Diesel Technicians I	9
DS120	Diesel Practices5	
DS260	Hydraulic Systems for Heavy Equipment	3
EET101	Introduction to Electronics	3
EET104	Fundamentals of Manufacturing Electronics	4
EET105	Digital Concepts for Manufacturing	4
	Introduction to Mechatronics	3
EETTIS FFT118	Exploidion of Allemative Energy Systems	5
FFT120	Renewable Energy Systems (RES) Site Analysis and Design	9 4
EET121	North American Board of Certified Energy Practitioners (NABCEP) Entry-level Preparation	2
EET125	Electronics Fundamentals I (DC)	5
EET126	Electronics Fundamentals II (AC)	5
EET127	Exploring the Raspberry Pi	3
EEI129	Introduction to Embedded Systems	3
EETISU FFT131	Digital Fundamentals I Digital Fundamentals II	5
EET132	Digital Fundamentals III	5
EET140	Solid State Fundamentals	6
EET240	Microcontrollers I	5
MEC130	Hydraulics I	3
MET101	Mechanical Drafting	3
	Applied Shop Practices	3
MET103/WLD104	Diveptiti Reduity – Mechanical Computer Aided Drafting 1: Mechanical (SolidWorks)	້ງ ວ
MFT122	Computer Aided Drafting II: Mechanical (SolidWorks)	ວ ຊ
MET123	Computer Aided Drafting 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	Computer Numerical Control Programming – Mill (HAAS)	4
MFG242	Computer Aided Manufacturing I: Mastercam 2D	4
MFG243	Computer Aided Manufacturing II: Mastercam 3D	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
WLD250A	Selected Topics in Welding: FCAW	2-6
WLD250B	Selected Topics in Welding: GTAW	2-6
WLD250C	Selected Topics in Welding: SMAW	2-6
WLD250D	Selected Topics in Welding: GMAW	2-6
WLD250F	Selected Topics in Welding: Capstone Project	2-6
WLD250P	Selected Topics in Welding: CNC Plasma Cutting	3
Total Technolo	ogy Area Credits	38
1 Required for gradua	ation.	
For more information cont	act the Electronics Technology Department	

Tor more mornation, contact the Electronics recimology Department.	
Phone	
Email	
Web address	
ΠΥ	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.

## **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Electronics Technology Associate of Applied Science are:

Identify and solve real-world problems through the application of electronics theory and concepts.

Calibrate, test, and repair analog and digital circuitry at component, circuit, and systems level using industry standard test equipment.

Organize, interpret, and use technical information and documentation.

Communicate effectively across a variety of audiences: technicians, engineers, management and customers.

Function collaboratively as a member of a team to achieve specified and measurable results.

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Demonstrate flexibility, adaptability, and time management skills commensurate with industry productivity needs. Demonstrate the ability to adhere to personal and industry safety standards.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and with the Electronics Technology Department Chair's recommendation. In order to ensure that coursework is current, program courses over three years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Official transcripts must be filed with the RCC Enrollment Services office.

#### **Graduation Requirements**

Students are required to complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email ad	ddress	<u>ElectronicsInfo@roguecc.edu</u>		
Course No.	Cours	se Title	Alternate Course	Comments
Program P CIS120 MTH20	<b>rereq</b> Conce Pre-alc	uisites pts in Computing I <sup>1</sup> uebra		Required for graduation
RD90	Colleg	e Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR90	Funda	mentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prere Place	quisites - credits vary based on ment Score(s): 0-14		
Term 1	Check	c in with Advisor		
EET125 EET129 MTH60	Electro Introdu Funda	nics Fundamentals I (DC) uction to Embedded Systems mentals of Algebra	MTH63	or higher-level math
PSYTUT	Psycho	logy of Human Relations	BIIUI	
	Term	Credits: 15		
Term 2				
EET126 EET130 WR115	Electro Digital Introdu or COM	nics Fundamentals II (AC) Fundamentals I uction to Expository Writing <sup>2</sup> /M100, 111 or 218 (credits vary)		
	Term	Credits: 13		
Term 3				
CIS140 EET131 EET140	Introdi Digital Solid S	uction to Operating Systems Fundamentals II State Fundamentals		
	Term	Credits: 15		
Term 4	Check	c-in with Advisor		
EET215 EET220 HE112 WR121	Operat Solid S Emerg Englis	tional Amplifiers and Linear Integrated State Devices ency First Aid h Composition I <sup>2</sup>	l Circuits	
	Term	Credits: 15		

Term 5			
EET225	Electronics Troubleshooting		
EET230	Radio Frequency Communications Fundamentals	wi	nter term only (lecture Tuesday)
EET240	Microcontrollers I	wi	nter term only (lecture Tuesday)
EET104	Fundamentals of Manufacturing Electronics	EET127	or approved program elective,
		4 to 6 credi	its required (course credits vary)
	Term Credits: 17		
Term 6			
EET205	International Society of Certified Electronic Technicians	(ISCET)	
	Certification/Preparation		
EEI235	Microwave Applications	sp	ring term only (lecture luesday)
EEIZ4I FFT250	Microcontrollers II Prototype Development and Documentation	SP.	spring term only (lecture luesday)
LLIZJU			spring term only
_	lerm Credits: 15		
Approved I	Program Electives		
(4 to 6 credits requ	ired)		
Course No.	Course Title		Credits
BA101	Introduction to Business		4
BT121	Digital Marketing and e-Commerc		4
CIS	Any computer applications course, CIS125 c	ir above	3-4
COMM111	Fundamentals of Public Speaking (if not tak	en as part of core)	4
EEI101	Introduction to Electronics		3
EETT04	Fundamentals of Manufacturing Electronics	a most of cours)	4
	Introduction to Mechatronics (If not taken as	s part of core)	3
EETTINS FFT118	Introduction to Renewable Energy Systems		5 5
FFT127	Exploring Raspherry Pi		3
EET132	Digital Fundamentals III		5
EET180	Cooperative Work Experience / Electronics		variable
EET199	Selected Topics in Technology		1-5
GS104	Physical Science w/lab		4
MEC150	PLC Motor Control		3
MET101	Mechanical Drafting		3
MEI121	CAD I: Mechanical (SolidWorks)		3
MET122	CAD II: Mechanical (SolidWorks)		კ ე
IVIELIOU MEG101	Introduction to Manufacturing		3
MFG121	Manufacturing Processes I		5 Д
MFG220	Research and Development Prototyping		4
MFG230	Statistics and Quality Control		3
MFG241	Computer Numerical Control Programming	– Mill (HAAS)	4
MFG242	Computer Aided Manufacturing I: Masterca	m 2D	4
MFG243	Computer Aided Manufacturing II: Masterca	m 3D	4
MFG244	CNC Programming – Lathe		3
MTH60R	Fundamentals of Algebra I Recitation		1
MIH65	Fundamentals of Algebra II or higher-level r	nath	4-5
	Fundamentals of Algebra II Recitation		1
MTH112R	Elementary Functions Resitation		1
WID101	Welding Fundamentals		3
WR122	English Composition II		4
1 Approved Comput	er Information Science or Computer Science class, CIS120 or ab	ove, or documented computer proficiency within the past to	en years.
2 If students test out	of WR115, they may take WR122 instead of Communication upo	n completion of WR121.	-
For more information, con	act the Electronics Technology Department:		
Phone	·		
Email			<u>ElectronicsInfo@roguecc.edu</u>
Web address			
ΠΥ			Oregon Telecom Relay Service, 711

## INDUSTRIAL WELDING TECHNOLOGY

## Industrial Welding Technology: GTAW Welder

### Career Pathway Certificate

#### About the Program

The Gas Tungsten Arc Welding Career Pathways Certificate will give students a focused career path in GTAW for a multitude of industry prospects including process piping, aluminum product manufacture and job shop positions. Students will develop skills in joining mild steel, stainless steel and aluminum, utilizing this challenging process. Welding will be completed in flat, horizontal and vertical and overhead positions using both transformer rectifier machines and programmable square wave inverter technology.

#### The Program Learning Outcomes

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Welding Technology GTAW Welder Career Pathway Certificate are:

Demonstrate a commitment to a culture of safety.

Produce industry-quality welds using GTAW on stainless steel and aluminum plate.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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 three 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.

#### **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 the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No.	Course Title	Credits
MTH20	Pre-algebra or designated placement score	0-4
RD90/WR90	College Reading/Fundamentals of Composition or	
	WR91 Fundamentals of Academic Literacy (WR91	
	substitutes for both RD90 and WR90) or designated placement score	0-8

**Total Prerequisite Credits 0-12** 

#### **Required Courses**

Course No.	Course Title	Credits
MEC114	Safety for Industry	3
WLD111	Technology of Industrial Welding I	6
WLD113	Technology of Industrial Welding III	6
WLD212	Technology of Industrial Welding V <sup>1</sup>	6
WLD250B	Selected Topics in GTAW	4-6
TOTAL PROGRA	AM CREDITS	25-27

#### TOTAL PROGRAM CREDITS

1 Documentation may be required to register for WLD212 without course prerequisites. See Welding Advisor for assistance as needed.

For more information, contact the Industrial Welding Technology Department: Phone ..... Email 

## Industrial Welding Technology: SMAW Welder

## **Career Pathway Certificate**

#### About the Program

The SMAW Career Pathways Certificate gives students the necessary skills to an entry level position where Shielded Metal Arc Welding is the predominate welding process. Students will develop skills utilizing E 7018 and E 6010 in Flat, Horizontal, Vertical and overhead welding positions. They will train in passing the A.W.S. D1.1 welding gualification test if they so choose.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Welding Technology SMAW Welder Career Pathway Certificate are:

Demonstrate a commitment to a culture of safety.

Produce industry-guality welds on various diameters of carbon steel pipe in the 5g and 6g positions using SMAW electrodes E6010 and E7018.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

### 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 three 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.

### **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 the equivalent of a "C" or better grade.

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Prerequisites	S	
Course No. MTH20 RD90/WR90	<b>Course Title</b> Pre-algebra or designated placement score College Reading/Fundamentals of Composition or WR91 Fundamentals of Academic Literacy (WR91 substitutes for both RD90 and WR90) or designated placement score	<b>Credits</b> 0-4 0-8
<b>Total Prerequis</b>	ite Credits	0-12
<b>Required Co</b>	urses	
Course No. WLD111 WLD112 WLD113 WLD250C	<b>Course Title</b> Technology of Industrial Welding I Technology of Industrial Welding II Technology of Industrial Welding III Selected Topics in SMAW Approved program electives	Credits 6 6 2- 2-6
TOTAL PROGRA	AM CREDITS	22-28
Approved pr MEC130 WLD123 WLD250A WLD250B WLD250D WLD250F For more information, contact	rogram electives Hydraulics I Aluminum Boat Welding I Selected Topics FCAW Selected Topics GTAW Selected Topics GMAW Capstone Project t the Industrial Welding Technology Department:	3 6 2-6 2-6 2-6 2-6
Phone		

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## Industrial Welding Technology: Welder's Helper

### **Career Pathway 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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Welding Technology Welder's Helper Career Pathway Certificate are:

Demonstrate a commitment to a culture of safety.

Processes include oxy fuel cutting, plasma arc cutting, SMAW, GMAW and FCAW.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

### **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 three 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 indus¬try 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.

#### **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 the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No.	Course Title	Credits
MTH20	Pre-algebra or designated placement score	0-4
RD90/WR90	College Reading/Fundamentals of Composition or	
	WR91 Fundamentals of Academic Literacy (WR91 substitutes for	
	both RD90 and WR90) or designated placement score	0-8
<b>Total Prerequis</b>	ite Credits	0-12
<b>Required Co</b>	urses	
Course No.	Course Title	Credits
MEC102	Mechanical Fabrication	3
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
WLD113	Technology of Industrial Welding III	6
TOTAL PROGR/	AM CREDITS	28
For more information, contac	t the Industrial Welding Technology Department:	
Phone		
Email		<u>WeldingInfo@roguecc.edu</u>
Web address		<u>www.roguecc.edu/Automotive</u>
ΠΥ		Oregon Telecom Relay Service, 711

## Industrial Welding Technology: Wire Welder

### **Career Pathway Certificate**

#### About the Program

Gas Metal Arc Welding and Flux Cored Arc Welding are the two most common production welding forms in the United States. The Wire Welding CPC targets these forms of welding and brings a greater understanding of the requirements to weld carbon and stainless steel with these processes. All position welding with GMAW, Self-Shielded Flux Core and Gas Shielded Flux Core will take place. Students may train for the A.W.S. D1.1 welding qualification procedure if they choose to.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for Industrial Welding Technology Wire Welder Career Pathway Certificate are:

Demonstrate a commitment to a culture of safety.

Produce industry-quality welds using GMAW and FCAW on stainless steel and aluminum plate.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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 three 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.

#### **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 the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No. MTH20 RD90/WR90	<b>Course Title</b> Pre-algebra or designated placement score College Reading/Fundamentals of Composition or WR91 Fundamentals of Academic Literacy (WR91 substitutes for both RD90 and WR90) or designated placement score	<b>Credits</b> 0-4
Total Prerequis	ite Credits	0-12
Required Co	urses	
- Course No.	Course Title	Credits
MEC102	Mechanical Fabrication	3
WLD111	Technology of Industrial Welding I	6
WLD113	Technology of Industrial Welding III	6
WLD211	Technology of Industrial Welding IV	6
WLD250A	Selected Topics in FCAW or WLD250D GMAW	2-6
TOTAL PROGRA	AM CREDITS	23-27
For more information, contact	t the Industrial Welding Technology Department:	
Phone		
Email		<u>WeldingInfo@roguecc.edu</u>
Web address		
ΠΥ		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 fit-ting/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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Welding Technology Certificate of Completion are:

Demonstrate a commitment to a culture of safety.

Interpret and create mechanical blueprints to industry standards.

Layout and fabricate industry-quality fabrication projects.

Produce industry quality weldments on carbon steel plate in various positions and joint and groove configurations.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

### **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 three 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.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion guestions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>WeldingInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prereguisites		
RD90 WR90 CIS120 MEC102 MTH20	College Reading Fundamentals of Composition Concepts in Computing I <sup>1</sup> Mechanical Fabrication Pre-algebra	WR91 WR91 MTH63	WR91 fulfills RD90/WR90 WR91 fulfills RD90/WR90 Can be taken concurrently with MEC102 Strongly encouraged or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-17		
Term 1	Check in with Advisor		
HE112 MEC114 MET101 WLD111	Emergency First Aid Safety for Industry Mechanical Drafting Technology of Industrial Welding I		
	Term Credits: 13		
Term 2			
WLD104 WLD112 WLD221	Blueprint Reading: Mechanical Technology of Industrial Welding II Welding Codes, Procedures and Inspections		
	Term Credits: 12		

38-40

Term 3		
WLD113	Technology of Industrial Welding III	
WLD121	Fabrication and Repair Practices I	
WLD250A	Selected Topics in Welding: FCAW	or approved program elective (credits vary)
	Term Credits: 13	
Approved	d Program Electives	
(2-4 credits requ	ired)	
Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
EET101	Introduction to Electronics	3
MEC103	Industrial Safety	1
MEC116	Quality Practices and Measurements	3
MET121	Computer Aided Drafting I: Mechanical (SolidWorks)	3
MET122	Computer Aided Drafting II: Mechanical (SolidWorks)	3
MET123	Computer Aided Drafting III: Mechanical (SolidWorks)	
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
WLD250A	Selected lopics in Welding: FCAW	2-4
WLD250B	Selected Topics in Welding: GIAW	2-4
	Selected Topics in Welding: SWAW	2
	Selected Topics in Welding: Constana Project	2-4
	Selected Topics III Weiding, Capstone Project American Walding Society (AWS) Cartification Sominar: Pina	2-4
WLDZOU	American weiding Society (Aws) Certification Seminar. Fipe	L NEED IN
1 Approved Com	puter Information Science or Computer Science class, CIS120 or above, or documented computer profic	liency within the past ten years
For more information,	contact the Industrial Welding Technology Department:	
Phone		
Email		<u>WeldingInto@roguecc.edu</u>
Web address		<u>www.roguecc.edu/Automotive</u>
ΠΥ		Oregon Telecom Relay Service, 711

## Industrial Welding Technology: Aluminum Boat Welder

## **Certificate of Completion**

#### About the Program

Aluminum boat building is a staple industry in the Northwest and especially in the Rogue Valley. This three-term certificate will allow students to develop an understanding of basic boat building procedures and welding requirements. From basic vocabulary up to fabrication of scale and full-sized boats, students will learn side by side with industry professionals how to assemble aluminum watercraft commonly seen on the lakes, rivers and ocean bays in our region.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Welding Technology Aluminum Boat Welder Certificate of Completion are:

Demonstrate a commitment to a culture of safety.

Interpret and create mechanical blueprints to industry standards.

Layout and fabricate industry-quality fabrication projects.

Produce industry-quality welds using GTAW and GMAW aluminum plate.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **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 three years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core

55-60

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.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### **TOTAL PROGRAM CREDITS**

Program email address: <u>WeldingInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
RD90	College Reading	WR91	or designated placement score
WR90	Fundamentals of Composition	WR91	(WR91 fulfills RD90/WR90) or designated placement score (WR91 fulfills RD90/WR90)
MTH20	Pre-algebra		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-12		
Term 1	Check in with Advisor		
BT101 BT113 CIS120 WLD111	Human Relations in Organizations Business English I Concepts in Computing I Technology of Industrial Welding I	PSY101 WR115	or higher-level composition course
	Term Credits: 15		
Term 2			
MEC102 MEC114 WLD123	Mechanical Fabrication Safety for Industry Aluminum Boat Building I		
	Term Credits: 12		
Term 3			
MTH63 WLD104 WLD121 WLD124	Applied Algebra I Blueprint Reading: Mechanical Fabrication and Repair Practices I Aluminum Boat Building II	MTH60	or higher-level math course
	Term Credits: 18		
Term 4	Check-in with Advisor		
WLD125 WLD280 WLD250F	Aluminum Boat Building III Cooperative Work Experience/Welding Selected Topics: Welding Capstone Project		WLD280 2-3 credits or WLD250F 2-6 credits or approved program elective (credits vary)
	Term Credits: 11		
Approved (3 credits require	<b>H Program Electives</b>		
<b>Course No.</b> BA109 MEC103 MEC116 MET121 MET122 MET123	<b>Course Title</b> Ready, Set, Work: Techniques for Industrial Safety Quality Practices and Measureme Computer Aided Drafting I: Mech Computer Aided Drafting II: Mec Computer Aided Drafting III: Mec	Landing a Job ent anical (SolidWorks) nanical (SolidWorks) ehanical (SolidWorks)	Credits 2 1 3 3 3 3 3
MET160	Materials and Metallurgy	-	3

MFT165	Materials Engineering and Metallurgy	3
WLD250A	Selected Topics in Welding: FCAW	2-3
WLD250B	Selected Topics in Welding: GTAW	2-3
WLD250C	Selected Topics in Welding: SMAW	2
WLD250D	Selected Topics in Welding: GMAW	2-3
WLD250F	Selected Topics in Welding: Capstone Project	2-3
For more information, contact th	ne Industrial Welding Technology Department:	
Phone		
Email		
Web address		
ΠΥ		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 entrylevel 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 <u>www.sou.edu/degreecompletion</u>.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Welding Technology Associate of Applied Science are:

Demonstrate a commitment to a culture of safety.

Interpret and create mechanical blueprints to industry standards.

Layout and fabricate industry-quality fabrication projects.

Produce industry quality cuts and weldments on carbon steel plate and pipe in various positions and joint and groove configurations.

Produce industry-quality welds using various welding processes on stainless steel and aluminum plate.

Develop a sequence of steps to foresee, troubleshoot, and resolve mechanical and process issues that arise in the workplace.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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 three 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.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion guestions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>WeldingInfo@roguecc.edu</u>

Course No	Course Title	Alternate Course	Comments
Program	Prerequisites		
CIS120 MEC102	Concepts in Computing I <sup>1, 2</sup> Mechanical Fabrication		Required for graduation Strongly encouraged; can be taken concurrently with CIS120
MTH20 RD90	Pre-algebra College Reading	WR91	or designated placement score WP21 fulling PD200/WP20
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-17		
Fall	Check in with Advisor		
MTH63 BT113 MET101 WLD111	Applied Algebra I Business English <sup>3</sup> Mechanical Drafting Technology of Industrial Welding I	MTH60 WR115	or higher-level math or higher-level composition course
	Term Credits: 17		
<b>Winter</b> BT114 WLD104 WLD112 WLD121	Business English II Blueprint Reading: Mechanical Technology of Industrial Welding II Fabrication and Repair Practices I <b>Term Credits: 18</b>	WR121	or higher-level composition course
Spring			
HE112 WLD113 WLD122	Emergency First Aid Technology of Industrial Welding III Fabrication and Repair Practices II		
	Term Credits: 12		
Fall	Check in with Advisor		
BT101 WLD211 WLD220 WLD221	Human Relations in Organizations Technology of Industrial Welding IV Machine Tool Maintenance and Repair Welding Codes, Procedures and Inspections	PSY101	
	Term Credits: 15		
Winter			
MEC103 WLD250A WLD212 MET160 MFG121	Industrial Safety Selected Topics in Welding: FCAW Technology of Industrial Welding V Materials and Metallurgy Manufacturing Processes I		or approved program elective (credits vary) or approved program elective (credits vary)
	Term Credits: 16		
Spring			
WLD213 WLD280 WLD250F	Technology of Industrial Welding VI Cooperative Work Experience/Welding Selected Topics: Welding Capstone Project	WLD250F	or approved program elective (credits vary)
	Term Credits: 12		
Approved (6-7 credits requ	I Program Electives		
Course No.	Course Title		Credits
BA109 DS260 EET101 MEC103	Ready, Set, Work: Techniques for Land Hydraulic Systems for Heavy Equipme Introduction to Electronics Industrial Safety	ing a Job nt w/ lab	2 3 3 1

95

MEC114	Cafab. for laduates	2
IVIECT14	Salety for industry	3
MECTIO	Quality Practices and Measurements	3
MEC124	Hoisting and Rigging I	3
MEC125	Pneumatics I	3
MEC130	Hydraulics I	3
MEC149	Electric Motor Control	4
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
MET165	Materials Engineering and Metallurgy	3
MFG122	Manufacturing Processes II	4
MFG123	Manufacturing Processes III	4
MFG291	Laser Cutting and Engraving Fundamentals	3
WLD111D	Technology of Industrial Welding for Diesel	6
WLD111M	Technology of Industrial Welding for Manufacturing	6
WLD123	Aluminum Boat Welding I	6
WLD124	Aluminum Boat Welding II	6
WLD125	Aluminum Boat Welding III	6
WLD160	American Welding Society (AWS) Certification Seminar: Plate	1
WLD250A	Selected Topics in Welding: FCAW	2-6
WLD250B	Selected Topics in Welding: GTAW	2-6
WLD250C	Selected Topics in Welding: SMAW	2-6
WLD250D	Selected Topics in Welding: GMAW	2-6
WLD250F	Selected Topics in Welding: Capstone Project	2-6
WLD250P	Selected Topics in Welding: CNC Plasma Cutting	3
WLD260	American Welding Society (AWS) Certification Seminar: Pipe	1
1 Approved Computer Ir	formation Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years	

2 Required for graduation.

3 Students must complete either BT113 and BT114 or WR115 and WR121 (or higher-level composition courses.) 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 Technology Department: Phone 541-956-7500

Phone	
Email	
Web address.	
ΠΥ	Oregon Telecom Relay Service, 711

## MANUFACTURING TECHNOLOGY

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

### Career Pathway 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Manufacturing/Engineering Technology Computer Numerical Control (CNC) Operator Career Pathway Certificate are:

Set up and operate manual machines to produce parts to specification.

Interpret and create mechanical blueprints to industry standards.

Follow, develop, and troubleshoot manufacturing processes and procedures.

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Demonstrate the ability to adhere to personal and industry safety standards to protect personnel and equipment. Set-up and operate CNC mills.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

## **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Manufacturing and Engineering Technology Department Chair'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.

#### **Completion Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>ManufacturingInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program Pr	erequisites		
MTH20 RD90	Pre-algebra College Reading	MTH60	or designated placement score or designated placement score; WP91 fulfills PD90/WP90
WR90	Fundamentals of Composition		or designated placement score; WR91 fulfills RD90/WR90
CIS120	Concepts in Computing I <sup>1</sup>		
	Prerequisites - credits vary based or Placement Score(s): 0-14	n	
Term 1	Check-in with Advisor		
MET101 MET105 MFG116 MFG121 MTH63 MEC102	Mechanical Drafting Blueprint Reading: Mechanical Metrology Manufacturing Processes I Applied Algebra I Mechanical Fabrication	MTH60	or higher-level math course
	Term Credits: 19		
Term 2			
MET121 MFG122 MFG140 WR115	Computer Aided Drafting I: Mechanical (So Manufacturing Processes II CNC Controls Introduction to Expository Writing	lid Works) BT113	or higher-level composition course
	Term Credits: 12		
1 Approved Compute	er Information Science or Computer Science class,	CIS120 or above, or documented computer profici	ency within the past ten years.
For more information cont	act the Manufacturing/Engineering Technology Departmen	t.	E41 0E4 7E00
FIIUIIE			Monufacturing Info@roguese adu
Web address			www.roquerc.edu/manufacturing
ΤΥ			Oregon Telecom Relay Service, 711

## Manufacturing/Engineering Technology: Computer Numerical Control (CNC) Technician

**Certificate of Completion** 

### About the Program

This three-term certificate program 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Manufacturing/Engineering Technology Computer Numerical Control (CNC) Technician Certificate of Completion are:

Set up, operate, and program manual lathes to print specifications.

Interpret and create mechanical blueprints to industry standards.

Troubleshoot manufacturing processes and procedures.

Demonstrate the ability to adhere to personal and industry safety standards to protect personnel and equipment.

Operate and program CNC mills and lathes to print specifications.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Manufacturing and Engineering Technology Department Chair'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.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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## TOTAL PROGRAM CREDITS

Metrology

Program email a	address: <u>Manufacturinginfo@roguecc.ed</u>	<u>u</u>	
Course No.	Course Title	Alternate Course	Comments
<b>Program</b>	Prerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
MTH20	Pre-algebra		or designated placement score
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based o Placement Score(s): 0-14	n	
Term 1	Check-in with Advisor		
MET101	Mechanical Drafting		
MET105	Blueprint Reading: Mechanical		
MFG101	Introduction to Manufacturing		

MFG116

MEC102 MTH63	Mechanical Fabrication Applied Algebra I	MTH60	or higher-level math course
	Term Credits: 18		
Term 2			
MET104 MFT121	Applied Shop Practices Computer Aided Drafting 1: Mechanical (Solid Works)	MTH112	
MET160	Materials and Metallurgy	MET165	
MFG121 MFG140	Manufacturing Processes I CNC Controls		
	Torm Cradite: 15		
	lenn creatts. 15		
Term 3		、	
MEI122	Computer Aided Drafting II: Mechanical (Solid Works	)	
MFG122 MFG2/11	Computer Numerical Control Programming - Mill (HA	(20)	
WR115	Introduction to Expository Writing	BT113	or higher-level composition course
	Term Credits: 14		
Term 4			
MFG123 PSY101	Manufacturing Processes III Psychology of Human Relations	BT101	
	Term Credits: 7		
1 Approved Co	mputer Information Science or Computer Science class, CIS120 or a	bove, or documented compu	ter proficiency within the past ten years.
For more information	n, contact the Manufacturing/Engineering Technology Department:		
Phone			
Email			<u>ManufacturingInfo@roguecc.edu</u>
Web address			<u>www.roguecc.edu/manufacturing</u>
ΠΥ			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.

## **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Manufacturing Engineering Technology Associate of Applied Science program are:

Set up, operate, and program manual lathes to print specifications.

Interpret and develop machine tool paths using Mastercam software to create mechanical parts to industry standards.

Troubleshoot manufacturing processes and procedures.

Demonstrate the ability to adhere to personal and industry safety standards to protect personnel and equipment.

Operate and program CNC mills and lathes to print specifications.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and with the Manufacturing/ Engineering Technology Department Chair'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.

#### **Graduation Requirements**

Students are required to complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

#### **Total Program Credits:**

#### 90-95

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please meet with an advisor for any questions about alternate courses in a given term.

Program email address: ManufacturingInfo@roguecc.edu

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
MTH20	Pre-algebra	W/D01	or designated placement score
KD90	college Reading		WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-14		
Term 1	Check in with Advisor		
MET101 MET105 MEC102 MFG101 MFG116 MTH63	Mechanical Drafting Blueprint Reading: Mechanical Mechanical Fabrication Introduction to Manufacturing Metrology Applied Algebra I	MTH60	or higher-level math
	Term Credits: 18		
Term 2			
MFG121 MET121 MET160 MFG140 WP115	Manufacturing Processes I Computer Aided Drafting I: Mechanical (Solid Works) Materials and Metallurgy CNC Controls	MET111 MET165	can take MFG116 concurrently
WINTIJ	Torm Credite: 1E	DITIJ	or inglier-level composition course
<b>T</b>	ierm creaits: 15		
MET122 PSY101 MFG122 MFG241	Computer Aided Drafting II: Mechanical (Solid Works Psychology of Human Relations Manufacturing Processes II Computer Numerical Control Programming - Mill (HA	) MET112 BT101 AS)	
	Term Credits: 14		
Term 4	Check in with Advisor		
EET101 MFG230 MFG242 WLD101	Introduction to Electronics Statistics and Quality Control Computer Aided Manufacturing I: Mastercam 2D Welding Fundamentals I		can take MET104 concurrently WLD111M fulfills WLD101. WLD102
MET104	Applied Shop Practices	MTH112	
	Term Credits: 16		
Term 5			
MFG220 MFG243 WLD102 <b>100</b>	Research and Development Prototyping Computer Aided Manufacturing II: Mastercam 3D Welding Fundamentals II		WLD111M fulfills WLD101, WLD102

WR121 MEC114	English Composition I Safety for Industry	BT114	or higher level composition course or approved program elective
	Term Credits: 18		
Term 6			
HE112 MFG255 MFG262 MFG123	Emergency First Aid Computer Integrated Manufacturing Lean Manufacturing Manufacturing Processes III	MFG280	or approved program elective
	Term Credits: 12		
Approved F	Program Electives	to meet the total degree requirements)	
		to meet the total degree requirements)	
Course No. BA109 CHEM104 CHEM105 CHEM106 CHEM221,222,223 CIS CIS140	Course Inte Ready, Set, Work: Technique Introductory Chemistry w/ la Introductory Organic Chemis Introductory Biochemistry w General Chemistry I, II, III w/ Any CIS applications course Introduction to Operating Sy	s for Landing a Job b and recitation stry w/ lab / lab / lab and recitation (CIS125SS highly recommended) rstems	2 5 4 5-5-5 variable 4
CIS179 CIS240 CS161J CS161U CS1621	Introduction to Networks Advanced Operating System Computer Science I (Java) Computer Science I (C++)	S	4 4 4 4
CS162U EET104 EET129 EET225	Computer Science II (2003) Computer Science II (C++) Fundamentals of Manufactu Introduction to Embedded S Electronics Troubleshooting	ring Electronics ystems	4 4 3 3
ENGR101 ENGR102 ENGR103 ENGR201	Engineering Orientation I: Careers, Skills and Computer Tools Engineering Orientation II: Careers, Skills and Computer Tools Engineering Orientation III: Careers, Skills and Computer Tools Electrical Fundamentals w/ lab		2 2 2 3
ENGR202 ENGR211 ENGR212 ENGR213 GS104	Statics Dynamics Strength of Materials Physical Science w/ lab or ar	nroved program elective	3 3 3 3 4
MEC103 MEC114 MEC116 MEC118	Industrial Safety (Highly Rec Safety for Industry Quality Practices and Measu Manufacturing Processes an	rement d Production	1 3 3 3
MEC120 MEC130 MEC140 MEC149	Maintenance Awareness Hydraulics I Green Production Electric Motor Control		4 3 2 4
MEC240 MET112,113 MET123 MEG123	Robotics I Computer Aided Drafting II, Computer Aided Drafting III: Manufacturing Processes III	III: Mechanical (Autodesk Inventor) Mechanical (SolidWorks)	3 3-3 3 4
MFG199 MFG210 MFG215 MFG244	Selected Topics in Manufactu AC/DC Electrical Systems for Electrical Control Systems ar CNC Programming – Lathe	uring Manufacturing Id Sensors for Manufacturing	variable 3 3 3
MFG280	Cooperative Work Experienc (if not taken as a core requir CWE/Manufacturing Semina	e/Manufacturing ement) r	variable 1
MFG291 PH201,202,203 PH211,212,213	Laser Cutting and Engraving General Physics I, II, III w/ la General Physics (Calculus Ba	Fundamentals b and recitation Ised) I, II, III w/ lab and recitation	5-5-5 5-5-5

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WLD102	Welding Fundamentals II (if not taken as a core requirement)	3
WLD111	Technology of Industrial Welding I (if not taken as a core requirement)	6
WLD111M	Technology of Industrial Welding for Manufacturing	
	(if not taken as a core requirement)	
WLD112,113	Technology of Industrial Welding II, III	6-6
WLD121,122	Fabrication and Repair Practices I, II	5-5
WLD250P	Selected Topics: CNC Plasma Cutting	3
1 Approved Computer	Information Science or Computer Science class, CIS120 or above, or documented computer p	roficiency within the past ten years.
For more information, contac	ct the Manufacturing/Engineering Technology Department:	
Phone		
Email		
Web address		
ΠΥ		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.

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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Manufacturing/Engineering Technology transfer to Oregon Tech are:

Set up, operate, and program manual lathes to print specifications.

Interpret and develop machine tool paths using Mastercam software to create mechanical parts to industry standards.

Troubleshoot manufacturing processes and procedures.

Demonstrate the ability to adhere to personal and industry safety standards to protect personnel and equipment.

Operate and program CNC mills and lathes to print specifications.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements.

#### **Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

90-94

#### TOTAL PROGRAM CREDITS

Program email address: <u>ManufacturingInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
MTH111	College Algebra		or designated placement score
MTH112	Elementary Functions		or designated placement score

Presquitiles credits vary based on Priacement Store(s): 0-13       Fail     Check in with Advisor       MFG101     Introduction to Manufacturing MFG121     Manufacturing Processes I       MFG121     Calculus Differential     fail term only fails Composition I       MFG121     Cancelits: 10       MFG121     Cancelits: 10       MFG121     Manufacturing Processes I       MFG121     Computer Aided Drafting I: Machanical (Solid Works) MFG124       MFG125     Manufacturing Mealungy WFG27       Term Credits: 13     Term Credits: 14       Spring     MFG240       MFG241     Computer Aided Drafting I: Machanical (Solid Works) MFG241       MFG242     General Chemistry I       Clifterm only DefEM2211     General Chemistry I       Clifterm only Pi2111     General Chemistry I       Clifterm only Pi2111     General Chemistry I       MFG242     General Chemistry I       MFG243     Computer Aided Marufacturing I: Mastercam 2D       MFG243     Computer Aided Marufacturing I: Mastercam 2D       MFG243	WR115	Introduction to Expository Writing		or designated placement score
Fail       Check in with Advisor         MFG101       Manufacturing Processes I         MFG21       Manufacturing Processes I         MFG21       English Composition I         English Composition I       English Composition I         MFG21       Computer Added Drafting I: Mechanical (Solid Works)         MFT24       Computer Added Drafting I: Mechanical (Solid Works)         MFT24       Computer Added Drafting I: Mechanical (Solid Works)         MFT24       Computer Added Drafting II: Mechanical (Solid Works)         MFT24       Computer Added Drafting II: Mechanical (Solid Works)         MFT24       Computer Added Drafting II: Mechanical (Solid Works)         MFT24       Computer Numerical Control Programming - Mall (HAAS)         MFG24       Computer Added Navifacturing I: Master an 2D         <		Prerequisites credits vary based on Placement Score(s): 0-13		
MF6101 Introduction to Manufacturing MF6121 Manufacturing Processes I MFR512 Calculus Differential for the set of the se	Fall	Check in with Advisor		
MTH251 Cacluus Differential and term only WR121 English Composition 1 Term Credits: 16 Winter MET121 Computer Aided Drafting I: Mechanical (Solid Works) MET120 Materials and Metallurgy WR227 Technical Writing COMM111 Fundamentals of Public Speaking Term Credits: 14 Spring MET22 Computer Aided Drafting I: Mechanical (Solid Works) MET24 COMM111 Fundamentals of Public Speaking Term Credits: 14 Spring MET22 Computer Aided Drafting II: Mechanical (Solid Works) MET341 COMM111 Fundamentals of Public Speaking Term Credits: 14 Spring MET22 Computer Aided Drafting II: Mechanical (Solid Works) MEG241 Computer Aided Drafting II: Mechanical (Solid Works) MEG241 Computer Aided Drafting II: Mechanical (Solid Works) MEG243 Computer Aided Drafting II: Mechanical (Solid Works) MEG241 Center Credits: 14 Fail Check in with Advisor CHEM221 General Chemistry I Lab Hiltor Material General Chemistry I Lab Hiltor Material Hiltor Media ART131 Or approved Humanities transfer course (Center Alphysics (Calculus Based) II PH201 Refire III Refire Ciclus Based) II PH202 Writter term only Hiltor Energ Chedits: 13 Winter MEG242 Computer Aided Manufacturing I: Mastercam 20 MIT252 Calculus III Megal Hiltor Hiltor PH201 Writter term only Hiltor Solid Science III PH202 Writter term only Hiltor Solid Science III PH202 Writter term only Hiltor Hiltor Media Refire Physics (Calculus Based) II PH202 Writter term only Hiltor Hiltor Hiltor Hiltor Hiltor PH202 Writter term only Hiltor Hi	MFG101 MFG121	Introduction to Manufacturing Manufacturing Processes I		
Term Credits: 16         Winter         METP 10         Metabolic Speaking         Computer Aided Drafting I: Mechanical (Solid Works)         METP 2         Computer Aided Drafting II: Mechanical (Solid Works)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         Computer Muneral Control Programming - Mill (HAAS)         METP 2         METP 2         METP 2         Mill Chea	MTH251 WR121	Calculus I Differential English Composition I		fall term only
Winter           MET121         Computer Aided Drafting I: Mechanical (Solid Works)           MET120         Materials and Metallurgy           WR227         Technical Writing           COMMIT11         Fundamentals of Public Speaking           Term Credits: 14         Spring           MR122         Computer Aided Drafting II: Mechanical (Solid Works)           MR6230         Statistics and Outplic Control Programming - MIII (HAAS)           MR6231         Statistics and Outplic Control Programming - MIII (HAAS)           MR6232         Statistics and Outplic Control Programming - MIII (HAAS)           MR6230         Statistics and Outplic Control Programming - MIII (HAAS)           MR6230         Statistics and Outplic Control Programming - MIII (HAAS)           MR6231         General Chemistry I           General Chemistry I         Fall term only           CHKM2211         General Chemistry I Ratiation           F211         General Physics (Calculus Based) I PH201         Fall term only           MR237         Illustation (Black and White Media)         AR1131         or approved Humanities transfer course           Term Credits: 13         Winter         Mife22         Computer Aided Manufacturing I: Mastercam 2D         winter term only           MR5242         Computer Aided Manufacturing I: Mastercam 3D		Term Credits: 16		
MET121 Computer Aided Drafting I: Mechanical (Solid Works) MET22 Technical Writing COMM111 Fundamentals of Public Speaking Term Credits: 14 Spring MET22 Computer Aided Drafting II: Mechanical (Solid Works) MET23 Computer Aided Drafting II: Mechanical (Solid Works) MET24 Computer Aided Drafting II: Mechanical (Solid Works) MET23 Spreadsheet Applications BA285 Term Credits: 14 Fail Check in with Advisor Term Credits: 13 Wither Term Credits: 13 Wither Term Credits: 13 Wither Term Credits: 13 Wither Term Credits: 13 Wither Term Credits: 17 Spring MEG242 Computer Aided Manufacturing I: Mastercam 20 MIF252 Calculus Based) II PH201 with Term only PH212 General Physics (Calculus Based) II PH202 wither term only With Credits: 13 Wither Term Credits: 13 Wither Term Credits: 17 Spring MIS264 History of Act : 17 Berner Fare Credits: 17 Spring MIS264 History of Rock : The Rots of Rock Computer Aided Manufacturing I: Mastercam 3D Consolver Aided Manufacturing I: Mastercam 3D Consolv	Winter			
ME1100 Materials and Metallurgy WR227 Technical Writing COMM111 Fundamentals of Public Speaking Term Credits: 14 Spring MET122 Computer Auded Drafting II: Mechanical (Solid Works) MEG241 Computer Auded Drafting II: Mechanical (Solid Works) MEG230 Statistics and Quality Control CS1255S Spreadsheet Applications BA285 Term Credits: 14 Fall Check in with Advisor CHEM221 General Chemistry I Gali term only General Chemistry I General Chemistry I General Chemistry I H2111 General Chemistry I General Chemistry I General Chemistry I H2111 General Physics (Calculus Based) I PH201 fail term only H2111 General Physics (Calculus Based) I Rectation H2111 General Physics (Calculus Based) I Rectation H2112 General Physics (Calculus Based) I Rectation H2113 General Physics (Calculus Based) I Rectation H2114 General Physics (Calculus Based) I Rectation H2115 General Physics (Calculus Based) I Rectation H21217 General Physics (Calculus Based) I Rectation H21218 General Physics (Calculus Based) I PH201 winter term only H21218 General Physics (Calculus Based) II H21218 G	MET121	Computer Aided Drafting I: Mechanical (Solid Wo	′ks)	
Integration of the set	ME1160 WD227	Materials and Metallurgy		
Ferm Credits: 14           Spring	COMM111	Fundamentals of Public Speaking		
Spring           MET122         Computer Aided Drafting II: Mechanical (Solid Works)           MF6241         Computer Aided Drafting II: Mechanical (Solid Works)           MF6230         Statistics and Quality Control           CIST2SSS         Spreadsheet Applications           BA285         Term Credits: 14           Fall         Check in with Advisor           CHEM221         General Chemistry I Lab           General Chemistry I Lab         fall term only           CHEM221         General Chemistry I Recitation           PH2111         General Physics (Calculus Based) 1           PH2112         General Physics (Calculus Based) 1 AP1201L           General Physics (Calculus Based) 1 AP1201R         fall term only           PH2111         General Physics (Calculus Based) 1 AP1201R         fall term only           RT237         Illustration (Black and White Media)         ART131         or approved Humanities transfer course           Winter         MF6242         Computer Aided Manufacturing 1: Mastercam 2D         winter term only           MTF525         Calculus II Integral         PH202         winter term only           PH2122         General Physics (Calculus Based) II Lab         PH202         winter term only           MTF525         Calculus II Integral         PH202		Term Credits: 14		
ME1122 Computer Aided Diating II: Mechanical (Solid Works) MF6241 Computer Numerical Control Programming - Mill (HAAS) MF6230 Statistics and Quality Control CIS125SS Spreadsheet Applications BA285 Term Credits: 14 Fall Check in with Advisor CHEM221 General Chemistry 1 fall term only CHEM221 General Chemistry 1 Check in with Advisor CHEM221 General Physics (Calculus Based) 1 PH2011 General Physics (Calculus Based) 1 PH2011 General Physics (Calculus Based) 1 PH2012 General Physics (Calculus Based) 1 PH2018 Computer Aided Manufacturing 1: Mastercam 2D MTH252 Calculus II Integral Winter MTH252 Calculus II Integral PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only Winter term only Winter term only Witef Carbon PH202 winter term only	Spring			
MIG231 Sempler Kunster South Programming - Min (1962) MFG230 Statistics and Quality Control CIST2SSS Spreadsheet Applications BA285 Term Credits: 14 Fall Check in with Advisor CHEM2211 General Chemistry I Lab fall term only CHEM2211 General Chemistry I Lab fall term only CHEM2211 General Chemistry I Lab fall term only H2111 General Physics (Calculus Based) I PH201 fall term only H2111 General Physics (Calculus Based) I Ab PH2011 fall term only H2111 General Physics (Calculus Based) I Ab PH2011 fall term only H2111 General Physics (Calculus Based) I Ab PH2011 fall term only H2111 General Physics (Calculus Based) I Ab PH2011 fall term only H2112 General Physics (Calculus Based) I Ab PH2011 fall term only H21212 General Physics (Calculus Based) I Ab PH2012 winter term only H2122 General Physics (Calculus Based) I Becitation PH2018 winter term only H2122 General Physics (Calculus Based) I Becitation PH2012 winter term only H2122 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2122 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only H2121 General Physics (Calculus Based) I Becitation PH202 winter term only W1254 History of Rck I: The Roots of Rck W1D10 Welding fundamentals I Term Credits: 17 Approved Humanities Electivees (credits way) M10524 History of Rck I: The Roots of Rck W1D10 Welding fundamentals I Term Credits: 17 Approved Humanities Electivees	MELIZZ MEG2/1	Computer Aided Drafting II: Mechanical (Solid Wo	IKS) (HAAS)	
CIS125SS Spreadsheet Applications BA285 Term Credits: 14 Fall Check in with Advisor CHEM2211 General Chemistry   Lab fall term only CHEM2211 General Chemistry   Lab fall term only CHEM2211 General Chemistry   Recitation H2011 fall term only H2111 General Physics (Calculus Based)   Lab PH2011 fall term only H2111 General Physics (Calculus Based)   Lab PH2011 fall term only H2111 General Physics (Calculus Based)   Restoration PH2011 fall term only H2111 General Physics (Calculus Based)   Restoration PH2011 fall term only H2112 General Physics (Calculus Based)   Restoration PH2011 fall term only H2112 General Physics (Calculus Based)   Restoration PH2012 fall term only H2121 General Physics (Calculus Based)   Restoration PH2012 winter term only H1252 Calculus II Integral winter term only H1252 Calculus II Integral winter term only H1212 General Physics (Calculus Based)   I PH202 winter term only H1212 General Physics (Calculus Based)   I PH202 winter term only H1212 General Physics (Calculus Based)   I PH202 winter term only H1212 General Physics (Calculus Based)   I PH202 winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration PH202R winter term only H1212 General Physics (Calculus Based)   I Betration Physics (I Betration Physics (I Betration Physics (I Betration Physics (I Betration Physic	MFG230	Statistics and Quality Control	(TAAS)	
Image: Second	CIS125SS	Spreadsheet Applications	BA285	
Fall       Check in with Advisor         CHEM221       General Chemisty   Lab       fall term only         CHEM221R       General Chemisty   Recitation       fall term only         PH211       General Chemisty   Recitation       fall term only         PH211       General Chemisty   Recitation       fall term only         PH211       General Physics (Calculus Based)   Lab       PH201       fall term only         PH211R       General Physics (Calculus Based)   Lab       PH201R       fall term only         ART237       Illustration (Black and White Media)       ART131       or approved Humanities transfer course         Winter		Term Credits: 14		
CHEM221 General Chemistry I ab fall term only CHEM2214 General Chemistry I Lab fall term only CHEM2214 General Physics (Calculus Based) I PH201 fall term only PH211 General Physics (Calculus Based) I Lab PH2011 fall term only PH211R General Physics (Calculus Based) I Recitation PH201R fall term only PH211R General Physics (Calculus Based) I Recitation PH201R fall term only ART237 III Justration (Black and White Media) ART131 or approved Humanities transfer course Term Credits: 13 Winter MF6242 Computer Aided Manufacturing I: Mastercam 2D MTH252 Calculus II Integral winter term only PH212 General Physics (Calculus Based) II PH202 winter term only PH212 General Physics (Calculus Based) II PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212 Mitter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only Winter term only Winter term only MUS264 History of Rock I: The Roots of Rock or approved Social Science transfer course (credits vary) MUS264 History of Rock I: The Roots of Rock or a total of 6-8 credits) Course No. Course The Approved I the approved I the opproved I the opproved I the approved I the opproved I the op	Fall	Check in with Advisor		
CHEM221L General Chemistry Lab fall term only CHEM221R General Chemistry Lab fall term only PH211 General Physics (Calculus Based) I PH201 fall term only PH211 General Physics (Calculus Based) I Lab PH201R fall term only PH211R General Physics (Calculus Based) I Lab PH201R fall term only ART237 III ustration (Black and White Media) ART131 or approved Humanities transfer course Term Credits: 13 Winter MFG242 Computer Aided Manufacturing I: Mastercam 2D MT4252 Calculus II Integral winter term only PH212 General Physics (Calculus Based) II PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Lab PH202 winter term only PH212 General Physics (Calculus Based) II Lab PH202 winter term only PH212 General Physics (Calculus Based) II Lab PH202 winter term only PH212 General Physics (Calculus Based) II Lab PH202 winter term only Winter term only PH212 General Physics (Calculus Based) II Lab PH202 winter term only PH212 General Physics (Calculus Based) II Lab PH202 winter term only Winter term only FG243 Computer Aided Manufacturing II: Mastercam 3D ECON202 Principles of Macroeconomics or approved Social Science transfer course (credits vary) PSY101 Psychology of Human Relations or approved Social Science transfer course (credits vary) NUS264 History of Rock I: The Roots of Rock or approved Social Science transfer course (credits vary) WLD101 Welding Fundamentals I Term Credits: 17 Approved Humanities Electives (choose two courses from the approved list below for a total of 6-8 credits) Course No. Course Title ART115,116* Basic Design (Composition/Color Theory) 3-3 ART131,132,133* Introduction to Drawing (Value, Line, Mixed Media) 3-3-3 ART34,235,236* F Guue Darwing (Value, Line, Mixed Media) 3-3-3 ART34,235,236* History of Art, 1, 1, 11	CHEM221	General Chemistry I		fall term only
CHE M2 1 K where a Chemistry Freetration H201 fail term only PH211 General Physics (Calculus Based) I bab PH201 fail term only PH211 General Physics (Calculus Based) I Lab PH201 fail term only PH211 General Physics (Calculus Based) I Recitation PH201 fail term only PH211 General Physics (Calculus Based) I Recitation PH201 or approved Humanities transfer course Term Credits: 13 Winter MFG242 Computer Aided Manufacturing I: Mastercam 2D MTH252 Calculus I Integral winter term only PH212 General Physics (Calculus Based) II PH202 winter term only PH212 General Physics (Calculus Based) II PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Recitation PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 General Physics (Calculus Based) II Net PH202 winter term only PH212 Calculus Physics (Calculus Ph202 winter term only PH212 General Physics (Calculu	CHEM221L	General Chemistry I Lab		fall term only
This is the first of the state of the s		General Physics (Calculus Based) I	PH201	fall term only
PH211R     General Physics (Calculus Based)   Recitation     PH201R     fall term only       ART237     Illustration (Black and White Media)     ART131     or approved Humanities transfer course       Term Credits: 13       Winter       MFG242     Computer Aided Manufacturing I: Mastercam 2D       MTH252     Calculus II Integral     winter term only       PH211R     General Physics (Calculus Based) II     PH202     winter term only       PH212     General Physics (Calculus Based) II Lab     PH202     winter term only       PH212     General Physics (Calculus Based) II Recitation     PH202R     winter term only       PH212     General Physics (Calculus Based) II Recitation     PH202R     winter term only       PH212     General Physics (Calculus Based) II Recitation     PH202R     winter term only       PH212     General Physics (Calculus Based) II Recitation     PH202R     winter term only       PH212     General Physics (Calculus Based) II Recitation     PH202R     winter term only       PH212     General Physics (Calculus Based) II Restercam 3D     ccredits: 17     ccredits: 17       Spring       Term Credits: 17       Spring       US264     History of Rock I: The Roots of Rock     or approved Social Science transfer course (credits var))	PH211L	General Physics (Calculus Based) I Lab	PH201L	fall term only
ART237       Illustration (Black and White Media)       ART131       or approved Humanities transfer course         Term Credits: 13         Winter         MFG242       Computer Aided Manufacturing I: Mastercam 2D         MTH252       Calculus II Integral       winter term only         PH212       General Physics (Calculus Based) II       PH202       winter term only         PH212       General Physics (Calculus Based) II Lab       PH202L       winter term only         PH212R       General Physics (Calculus Based) II Recitation       PH202R       winter term only         PH212R       General Physics (Calculus Based) II Recitation       PH202R       winter term only         PH212R       General Physics (Calculus Based) II Recitation       PH202R       winter term only         WEG211       Statics       winter term only       winter term only         FG243       Computer Aided Manufacturing II: Mastercam 3D       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)       or approved Humanities transfer course (those wor courses from the approved lis	PH211R	General Physics (Calculus Based) I Recitation	PH201R	fall term only
Term Credits: 13         Mife242         MTH252       Calculus II Integral       winter term only         MTH252       Calculus II Integral       winter term only         MTH252       General Physics (Calculus Based) II       PH202       winter term only         PH212       General Physics (Calculus Based) II Lab       PH202       winter term only         PH212R       General Physics (Calculus Based) II Recitation       PH202R       winter term only         PH212R       General Physics (Calculus Based) II Recitation       PH202R       winter term only         VEGR21       Statics       winter term only       winter term only         PH212L       General Physics (Calculus Based) II Recitation       PH202R       winter term only         WEGR21       Statics       winter term only       winter term only         PK5243       Computer Aided Manufacturing II: Mastercam 3D       credits: 17         Spring       or approved Social Science transfer course (credits vary)       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Humanities transfer course (credits vary)       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (chours	ART237	Illustration (Black and White Media)	ART131	or approved Humanities transfer course
Winter           MF6242         Computer Aided Manufacturing I: Mastercam 2D         winter term only           MH252         Calculus II Integral         winter term only           PH212         General Physics (Calculus Based) II         PH202         winter term only           PH212         General Physics (Calculus Based) II Lab         PH202L         winter term only           PH212R         General Physics (Calculus Based) II Recitation         PH202R         winter term only           PH212R         General Physics (Calculus Based) II Recitation         PH202R         winter term only           FG243         Camputer Aided Manufacturing II: Mastercam 3D         corrapproved Social Science transfer course (credits vary)           PSY101         Psychology of Human Relations         or approved Social Science transfer course (credits vary)           MUS264         History of Rock I: The Roots of Rock         or approved Humanities transfer course (credits vary)           MUS264         History of Rock I: The Roots of Rock         or approved Humanities transfer course (credits vary)           MUS264         History of Rock I: The Roots of Rock         or approved Humanities transfer course (credits vary)           MUS264         History of Rock I: The Roots of Rock         or approved Humanities transfer course           KID101         Welding Fundamentals I         Term Credits: 17		Term Credits: 13		
MFG242 Computer Aided Manufacturing I: Mastercam 2D MTH252 Calculus II Integral winter term only PH212 General Physics (Calculus Based) II Ab PH202 winter term only PH212 General Physics (Calculus Based) II Recitation PH202R winter term only PH212R General Physics (Calculus Based) II Recitation PH202R winter term only ENGR211 Statics vinter term only FVF02 Principles of Macroeconomics or approved Social Science transfer course (credits vary) PSY101 Psychology of Human Relations or approved Social Science transfer course (credits vary) MUS264 History of Rock I: The Roots of Rock or approved Social Science transfer course (credits vary) MUS264 History of Rock I: The Roots of Rock or approved Humanities transfer course (credits vary) MUS264 History of Rock I: The Roots of Rock or approved Humanities transfer course (credits vary) MUS264 History of Rock I: The Roots of Rock or approved Humanities transfer course (choose two courses from the approved list below for a total of 6-8 credits) Course No. Course Title Course Title Science Titl	Winter			
MIH2S2       Calclus II integral       winter term only         PH212       General Physics (Calculus Based) II       PH202       winter term only         PH212L       General Physics (Calculus Based) II Lab       PH202L       winter term only         PH212L       General Physics (Calculus Based) II Recitation       PH202R       winter term only         PH212       General Physics (Calculus Based) II Recitation       PH202R       winter term only         ENGR211       Statics       winter term only       winter term only         ECON202       Principles of Macroeconomics       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         Course No.       Course Title       Credits         ART115,116*       Basic Design (Composition/Color Theory)       3-3	MFG242	Computer Aided Manufacturing I: Mastercam 2D		
ITTL2       General Physics (Calculus Based) II       ITTL22       winter term only         PH212L       General Physics (Calculus Based) II ab       PH202L       winter term only         PH212R       General Physics (Calculus Based) II ab       PH202L       winter term only         ENGR211       Statics       winter term only       winter term only         Frem Credits: 17       Spring       (credits var)       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         WLD101       Welding Fundamentals I       Term Credits: 17         Approved Humanities Electives       (choose two courses from the approved list below for a total of 6-8 credits)         Course No.       Course Title       Credits         ART115,114*       Basic Design (Composition/Color Theory)       3-3         ART234,235,236*       History of Art I, II, II       3-3-3         ART234,235,236*       Figure Drawing I, II, III       3-3-3	MIHZ5Z DU212	Calculus II Integral	DUDUD	winter term only
Initial Constraint of the control books of ited in the control books of a control boo	PH212I	General Physics (Calculus Based) II Lab	PH202	winter term only
ENGR211       Statics       winter term only         Term Credits: 17         Spring         MFG243       Computer Aided Manufacturing II: Mastercam 3D         ECON202       Principles of Macroeconomics       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         Choose two courses from the approved list below for a total of 6-8 credits)       Course No.       Credits         ART115,110*       Basic Design (Composition/Color Theory)       3-3       3-3         ART234,235,206       History of Art I, II, III       3-3-3       3-3-3     <	PH212R	General Physics (Calculus Based) II Recitation	PH202R	winter term only
Term Credits: 17         Spring	ENGR211	Statics		winter term only
Spring         MFG243       Computer Aided Manufacturing II: Mastercam 3D         ECON202       Principles of Macroeconomics       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUD101       Welding Fundamentals I       Term Credits: 17         Approved Humanities Electives       (choose two courses from the approved list below for a total of 6-8 credits)         Course No.       Course Title       Credits         ART131,132,133*       Introduction to Drawing (Value, Line, Mixed Media)       3-3         ART234,235,236*       Figure Drawing I, II, III       3-3		Term Credits: 17		
MFG243       Computer Aided Manufacturing II: Mastercam 3D         ECON202       Principles of Macroeconomics       or approved Social Science transfer course (credits vary)         PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course (credits vary)         WLD101       Welding Fundamentals I       Term Credits: 17         Approved Humanities Electives       (choose two courses from the approved list below for a total of 6-8 credits)         Course No.       Course Title       Credits         ART131,132,133*       Introduction to Drawing (Value, Line, Mixed Media)       3-3         ART234,235,236*       Figure Drawing I, II, III       3-3-3	Spring	Computer Aided Manufacturing III, Masterson 20		
PSY101       Psychology of Human Relations       or approved Social Science transfer course (credits vary)         MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course         WLD101       Welding Fundamentals I       or approved Humanities transfer course <b>Approved Humanities Electives</b> (choose two courses from the approved list below for a total of 6-8 credits)       Credits <b>Course No.</b> Course Title         ART115,116*       Basic Design (Composition/Color Theory)       3-3         ART131,132,133*       Introduction to Drawing (Value, Line, Mixed Media)       3-3-3         ART204,205,206       History of Art I, II, III       4-4-4         ART234,235,236*       Figure Drawing I, II, III       3-3-3	MFG243 ECON202	Computer Aided Manufacturing II: Mastercam 3D Principles of Macroeconomics		or approved Social Science transfer course (credits vary)
MUS264       History of Rock I: The Roots of Rock       or approved Humanities transfer course         WLD101       Welding Fundamentals I       or approved Humanities transfer course         Term Credits: 17         Approved Humanities Electives (choose two courses from the approved list below for a total of 6-8 credits)       Credits         Course No.       Course Title       Credits         ART115,116*       Basic Design (Composition/Color Theory)       3-3         ART131,132,133*       Introduction to Drawing (Value, Line, Mixed Media)       3-3-3         ART204,205,206       History of Art I, II, III       4-4-4         ART234,235,236*       Figure Drawing I, II, III       3-3-3	PSY101	Psychology of Human Relations		or approved Social Science transfer course (credits vary)
Term Credits: 17Approved Humanities Electives(choose two courses from the approved list below for a total of 6-8 credits)Course No.Course TitleCreditsART115,116*Basic Design (Composition/Color Theory)3-3ART131,132,133*Introduction to Drawing (Value, Line, Mixed Media)3-3-3ART204,205,206History of Art I, II, III4-4-4ART234,235,236*Figure Drawing I, II, III3-3-3	MUS264 WLD101	History of Rock I: The Roots of Rock Welding Fundamentals I		or approved Humanities transfer course
Approved Humanities Electives(choose two courses from the approved list below for a total of 6-8 credits)Course No.Course TitleCreditsART115,116*Basic Design (Composition/Color Theory)3-3ART131,132,133*Introduction to Drawing (Value, Line, Mixed Media)3-3-3ART204,205,206History of Art I, II, III4-4-4ART234,235,236*Figure Drawing I, II, III3-3-3		Term Credits: 17		
(choose two courses from the approved list below for a total of 6-8 credits)Course No.Course TitleCreditsART115,116*Basic Design (Composition/Color Theory)3-3ART131,132,133*Introduction to Drawing (Value, Line, Mixed Media)3-3-3ART204,205,206History of Art I, II, III4-4-4ART234,235,236*Figure Drawing I, II, IIII3-3-3	Approved	Humanities Electives		
Course No.Course TitleCreditsART115,116*Basic Design (Composition/Color Theory)3-3ART131,132,133*Introduction to Drawing (Value, Line, Mixed Media)3-3-3ART204,205,206History of Art I, II, III4-4-4ART234,235,236*Figure Drawing I, II, III3-3-3	(choose two course	es from the approved list below for a total of 6-8	credits)	
ART115,116*Basic Design (Composition/Color Theory)3-3ART131,132,133*Introduction to Drawing (Value, Line, Mixed Media)3-3-3ART204,205,206History of Art I, II, III4-4-4ART234,235,236*Figure Drawing I, II, III3-3-3	Course No.	Course Title		Credits
AKI 13 I, 13 Z, 133 ^Introduction to Drawing (Value, Line, Mixed Media)3-3-3ART204,205,206History of Art I, II, III4-4-4ART234,235,236*Figure Drawing I, II, III3-3-3	ART115,116*	Basic Design (Composition/Color Theor	y)	3-3
ART234,235,236* Figure Drawing I, II, III 3-3-3	AKI 131, 132, 133*	Introduction to Drawing (Value, Line, N	ixea Meaia)	3-3-3
	ART234,235.236*	Figure Drawing I, II. III		3-3-3

ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
FNG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	Д
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ENG201,202	Introduction to English Literature: Medieval to Renaissance	ч <del>ч</del> ч Л
	Introduction to English Literature: 19th Contuni to Remains ance	4
	Introduction to English Literature. Totil Century to Normannic	4
	Introduction to English Literature. Victorial to Modern	4
	Survey of American Literature, 10th Century	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	, Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111.112.113	Music Theory I. II. III	3-3-3
MUS114,115,116	Aural Skills I. II. III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS201	History of lazz	3
MUS205	Introduction to Pack Music	3
MUS200	Film Mucic	3
MUC211 212 212	Music Theory IV V/ VI	5 222
WIUSZII,ZIZ,ZIS	Music File IV V VI	J-J-J 1 1 1
WUSZZ4,ZZ3,ZZ0	Aurar Skills IV, V, Vi Llistery of Mastern Music I. Ansient te Deregue	- -
	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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

# Approved Social Science Electives (choose two courses from the approved list below for a total of 6-8 credits)

Course No.	Course Title	Credits
ANTH110	Introduction to Cultural Anthropology	4
ANTH150	Introduction to Archaeology	4
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4

HST202	U.S. History: Post-Reconstruction - Present	4
PS201	U. S. Government: Institutions and Policy	4
PS202	U. S. Government: Ideologies and Political Participation	4
PS203	State and Local Government	4
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 the U.S.	4
SOC218	Sociology of Gender	4
SOC221/CJ201	Juvenile Delinquency	4
SOC225	Social Problems and Solutions	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC243/CJ243	Drugs, Crime and Addiction	4
SOC244/CJ200	Introduction to Criminology	4
1 Approved Computer Inform	ation Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years.	
For more information contact the Ma	nufacturing/Engineering Technology Department:	

•	• • • •	
Phone		
Email		
Web address		
ΠΥ		Oregon Telecom Relay Service, 711

### DIGITAL AND DESIGN MEDIA

## Design and Digital Media: Adobe® Applications Technician

Career Pathway Certificate

#### About the Program

The Adobe® Applications Technician Career Pathway Certificate prepares students for work in entry-level positions in the graphic design industry where a working knowledge of Adobe® Creative Cloud applications is required. Courses can be applied to the one-year Design and Digital Media certificate and the Associate of Applied Science (AAS) degree in Design and Digital Media. 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 to begin careers as freelance designers.

#### **Program Learning Outcomes**

Students who are interested in becoming an Adobe Certified Expert (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. Students completing the Design and Digital Media: Adobe Applications Technician Career Pathway Certificate will be able to:

Utilize correct digital media tools to develop a portfolio.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies and the Visual Art and Design 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.

#### **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive a Career Pathways certificate in Adobe® Applications Technician. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No.	Course Title	Credit
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer proficiency within the past ten years	0-2
Total Prerequisi	te Credits	0-2

## Required Courses

- Course No.	Course Title	Credit
DDM140	Electronic Publishina I (InDesian)	3
DDM150	Computer Illustration (Illustrator)	3
DDM160	Digital Imaging (Photoshop)	3
DDM185	Introduction to Digital Video (Premiere)	3
DDM190	Introduction to Animation (Adobe Animate) <sup>1</sup>	
	or DDM170 Motion Graphics (After Effects) <sup>2</sup>	3
TOTAL PROGRA	15	

1 Winter term only offering.

2 Spring term only offering; prerequisites DDM150, DDM160.	
For more information, contact the Visual Arts and Design Department:	
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711
106	5 , .
# Design and Digital Media: Social Media Technician

# **Career Pathway Certificate**

# About the Program

The Social Media Technician Career Pathway Certificate prepares students for work in entry-level positions in the social media industry where a working knowledge of Social Media Design applications and skills is required. Courses can be applied to the one-year Design and Digital Media certificate and the Associate of Applied Science (AAS) degree in Design and Digital Media. 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.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Students completing their Design and Digital Media Social Media Technician Career Pathway Certificate will be able to:

Create varied visual concepts in response to communication problems.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies and the Visual Arts and Design 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.

# **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive a Career Pathways certificate in Social Media Technician. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No.	Course Title	Credit
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years	0-2
RD90/WR90	College Reading/ Fundamentals of Composition or	
	WR91 Fundamentals of Academic Literacy (WR91 substitutes	
	for both RD90 and WR90) or designated placement score	0-8
Total Prerequisi	ite Credits	0-10

# Total Prerequisite Credits

vu 363	
Course Title	Credit
Social Media Marketing <sup>1</sup>	3
Digital Graphic Design I <sup>2</sup>	3
Introduction to Adobe Web Tools	3
Content Management Systems (Word Press) <sup>3</sup>	3
Digital Imaging (Photoshop)	3
AM CREDITS	15
,	Course Title Social Media Marketing 1 Digital Graphic Design I 2 Introduction to Adobe Web Tools Content Management Systems (Word Press) 3 Digital Imaging (Photoshop)

#### 

# Design and Digital Media: UI-UX Technician

# **Career Pathway Certificate**

# About the Program

The UI-UX Technician Career Pathway Certificate prepares students for work in entry-level positions in the interactive design industry where a working knowledge of Web Development applications and skills is required. Courses can be applied to the two-year Associate of Applied Science (AAS) degree in Design and Digital Media. The degrees are 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.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Students completing the Design and Digital Media UI-UX Technician Career Pathway Certificate will be able to:

Apply the necessary skills to assist with the design process.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies and the Visual Arts and Design 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.

# **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive a Career Pathways certificate in UI-UX Technician. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No.	Course Title	Credit	
CIS	Approved Computer Information Science or Computer Science course,		
	CIS120/CS120 or above, or documented computer		
	proficiency within the past ten years	0-2	
MTH60	Fundamentals of Algebra I or designated placement score	0-4	
RD90	College Reading or WR91 Fundamentals of Academic Literacy		
	or designated placement score	0-4	
WR115	Introduction to Expository Writing	0-3	
Total Proroquisi		0-13	

#### Total Prerequisite Credits

#### **Required Courses**

Course No.	Course Title	Credit 4	
CIS195	Web Authoring I <sup>1</sup>		
DDM120	Digital Graphic Design I <sup>2</sup>		
DDM130	Introduction to Adobe Web Tools		
DDM231	Content Management Systems (Word Press) <sup>3</sup>		
DDM160	Digital Imaging (Photoshop)		
TOTAL PROGRA	AM CREDITS	16	

1 WR121 is a co-requisite for CIS195.

2 Fall and winter terms offering only.

3 Fall term only.

For more information, contact the Visual Arts and Design Department:	
Phone	
Email	
Web address	
ΠΥ	

# Design and Digital Media: Video Production Technician

### **Career Pathways Certificate**

# About the Program

The Video Production Technician Career Pathway Certificate prepares students for work in entry-level positions in the film industry where a working knowledge of Video Production applications and skills is required. Courses can be applied to the Associate of Applied Science (AAS) degree in Design and Digital Media. The AAS is designed to prepare students for employment in various related industries and fields, including interactive design, film, publishing, advertising, media/printing/editing, or to begin careers as freelance editors.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Students completing their Design and Digital Media Video Production Technician Career Pathway Certificate will be able to:

Organize video projects and work productively in teams.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies and the Visual Arts and Design 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.

# **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive a Career Pathways certificate in Video Production Technician. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

#### Prerequisites

Course No.	Course Title	Credit
CIS	Approved Computer Information Science or Computer Science course,	
	CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years	0-2
<b>Total Prerequis</b>	ite Credits	0-2
<b>Required Co</b>	urses	
Course No.	Course Title	Credit
DDM125	Digital Photography	3
DDM160	Digital Imaging (Photoshop)	3
DDM170	Motion Graphics (After Effects) <sup>1</sup>	3
DDM185	Introduction to Digital Video (Premiere)	3
DDM186	Advanced Digital Video <sup>2</sup>	3
TOTAL PROGR	AM CREDITS	15
1 Spring term only; pre	requisites DDM150, DDM160.	
2 Spring term only.		
For more information, contact	t the Visual Arts and Design Department:	
Phone		
Email		<u>VisualArtsandDesignInfo@roguecc.edu</u>

# Design and Digital Media

# **Certificate of Completion**

# About the Program

The Design and Digital Media three-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. Courses can be applied to the two-year Associate of Applied Science (AAS) degree in Design and Digital Media as well as the Associate of Science (AS) degree in Emerging Media and Digital Arts transfer to SOU.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Students completing the oneyear certificate in Design and Digital Media Certificate of Completion will be able to:

Apply the necessary skills to assist with the design process.

Create varied visual concepts in response to communication problems.

Utilize correct digital media tools to develop a portfolio.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Visual Art and Design 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.

#### **Graduation Requirements**

Students completing the credits in the program with a grade of "C" or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Credits earned in this program can be applied to the Associate of Applied Science degree.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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#### TOTAL PROGRAM CREDITS

Program email address: <u>VisualArtsandDesignInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program I	Prerequisites		
CIS120 MTH20 WR115	Concepts in Computing I <sup>1</sup> Pre-algebra Introduction to Expository Writing		Required for graduation or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
ART115 DDM120 DDM140 DDM160	Basic Design (Composition) Digital Graphic Design I Electronic Publishing I (InDesign) Digital Imaging: Photoshop		fall/winter terms only
MTH63	Applied Algebra I	MTH60	or higher-level math
	Term Credits: 16		
Winter			
ART116	Basic Design (Color Theory)		

ART131 DDM141 DDM150 WR121	Introduction to Drawing (Value) Electronic Publishing II (InDesign) Computer Illustration (Illustrator) English Composition I	ART222	winter term only
	Term Credits: 16		
Spring			
ART234 DDM130 DDM220 DDM221 PSY101	Figure Drawing I Introduction to Adobe Web Tools Digital Graphic Design II Production Graphics Psychology of Human Relations	ART222 BT101	spring term only spring term only spring term only
	Term Credits: 15		
1 Approved Compute For more information, con	er Information Science or Computer Science class, CIS120 act the Visual Arts and Design Department:	) or above, or documented computer proficiency within the past ten years.	
Phone		VP18.1	541-956-7500
Email			esignintoeroguecc.edu
ΠΥ		Oregon Tele	ecom Relay Service, 711

# **Design and Digital Media**

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, social media, 3D modeling, digital animation and digital photography.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Students completing the Design and Digital Media Associate of Applied Science will be able to:

Apply the principles of art to assist with the design process.

Create varied visual concepts in response to communication problems.

Create a professionally designed portfolio using appropriate digital media tools.

Organize, implement, and evaluate design projects.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Visual Arts and Design 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 <u>www.sou.edu/degreecompletion</u>.

#### **Graduation Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive their degrees. Certain prerequisite and required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

Program email	address: <u>VisualArtsandDesignInfo@roguec</u>	<u>c.edu</u>	
Course No.	Course Title	Alternate Course	Comments
Program CIS120 MTH20 WR115	Prerequisites Concepts in Computing I <sup>1</sup> Pre-algebra Introduction to Expository Writing	BT113	Required for graduation or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall ART115 MTH63 DDM120 DDM150 HE250	<b>Check in with Advisor</b> Basic Design (Composition) Applied Algebra I Digital Graphic Design I Computer Illustration (Illustrator) Personal Health	MTH60	or higher-level math fall/winter terms only or HE112, HE252, HE261 or HPE295 (credits vary by course)
	Term Credits: 16		
Winter ART116 DDM140 DDM160 WR121	Basic Design (Color Theory) Electronic Publishing I (In Design) Digital Imaging: Photoshop English Composition I		
<b>6</b>	Term Credits: 13		
DDM130 DDM220 DDM221 DDM125 ART131	Introduction to Adobe Web Tools Digital Graphic Design II Production Graphics Digital Photography Introduction to Drawing (Value)		spring term only spring term only or approved program elective (credits vary or approved program elective (credits vary
	Term Credits: 15		
Fall ART222 DDM231 DDM200 DDM223 DDM185	<b>Check in with Advisor</b> Graphic Design (Typography) Content Management Systems (Word Press) Survey of Design and Film History Digital Graphic Design III Introduction to Digital Video (Premiere)		fall term only fall term only fall term only or approved program elective (credits vary)
	Term Credits: 15		
<b>Winter</b> CIS195 DDM141 DDM224 DDM190	Web Authoring I Electronic Publishing II (In Design) Digital Graphic Design IV Introduction to Animation (Adobe Animate)		winter term only winter term only DDM190 winter only
PSY101	Psychology of Human Relations	BT101	or approved program elective (credits vary)
	Term Credits: 16		
<b>Spring</b> BA243	Social Media Marketing	BT106	
DDM229 DDM230 DDM170	Portfolio and Professional Practices Studio Capstone Motion Graphics (After Effects)	DDM280	spring term only spring term only DDM170 spring term only,
COMM111	Fundamentals of Public Speaking	COMM218	or approved program elective (credits varý)

# Term Credits: 16

# **Approved Program Electives**

(16-17 credits - complete a sufficient number of electives to meet the total degree requirements)

Course No.	Course Title	Credits
ART120	Introduction to Digital Art	3
ART131	Introduction to Drawing (Value)	3
ART132	Introduction to Drawing (Line)	3
ART222	Graphic Design II (Typography) (if not taken as part of core)	3
ART234	Figure Drawing I	3
ART237	Illustration (Black and White Media)	3
ART238	Illustration (Color Media)	3
ART239	Illustration (Perspective)	3
ART281	Painting I	3
ART294	Watercolor I	3
BA223	Principles of Marketing or BT250 Entrepreneurship	3
BT121	Digital Marketing and e-Commerce	4
DDM125	Digital Photography	3
DDM161	Advanced Digital Imaging (Photoshop for Web)	4
DDM170	Motion Graphics (After Effects)	3
DDM185	Introduction to Digital Video (Premiere)	3
DDM186	Advanced Digital Video	3
DDM190	Introduction to Animation (Adobe Animate)	3
DDM225	3D Graphics Design (Blender)	3
DDM235	Website Design	4
DDM280	Cooperative Work Experience/Design and Digital Media	
	(if not taken as part of core)	variable
1 Approved Computer Info	mation Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years.	
For more information, contact the	Visual Arts and Design Department:	
Phone		
Email		andDesignInfo@roguecc.edu
Web address		

# Digital Cinema 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 Digital Cinema. Students completing this degree will meet the requirements for the foundation courses within the Digital Cinema degree requirements. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

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.

# **Program Learning Outcome**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Digital Cinema Transfer to Southern Oregon University degree are:

Utilize the correct tools and technology to create visual messages.

Apply cultural and human factors to editorial decisions.

Demonstrate basic business practices and trade ethics related to film.

Organize video projects and work productively in teams.

# **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 scores.

# **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

### **Graduation Requirements**

The Associate of Science degree will be awarded to students who complete a minimum of 90 credits in this program with a grade of "C" or better. Certain required courses are also graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

90-96

#### TOTAL PROGRAM CREDITS

Program email address: <u>VisualArtsandDesignInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program I MTH95 WR115 Writing	Prerequisites Intermediate Algebra Introduction to Expository or designated placement score	MTH96	or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-7		
Fall	Check in with Advisor		
CIS120 COMM225 DDM160 WR121	Concepts in Computing Small Group Communication and Problem-solving Digital Imaging: Photoshop English Composition I	COMM111	or COMM218
ART204	History of Art I	ART205	Required course and fulfills Humanities requirement
	Term Credits: 17		
Winter			
DDM125 DDM190 WP122	Digital Photography Introduction to Animation (Adobe Animate) English Composition II		winter term only
ART131	Introduction to Drawing (Value)		Required course and fulfills Humanities requirement
HE250	Personal Health		or approved Social Science transfer course (credits vary)
	Term Credits: 16		
Spring			
DDM130	Introduction to Adobe Web Tools		
DDM170	Motion Graphics (After Effects)		spring term only
MTH105	Introduction to Contemporary Math <sup>1</sup>		course options vary
MUS208	FIIM MUSIC		Humanities requirement
	Term Credits: 13		······································
Fall	Check in with Advisor		
DDM185	Introduction to Digital Video (Premiere)		
DDM200	Survey of Design and Film History		fall term only
114			

WR241Imaginative Writing ISOC213Race and Ethnicity in the U.S.

Term Credits: 14

			Winter
		Web Authoring I	CIS195
winter term only		Advanced Digital Video	DDM186
or approved Lab Science transfer course (credits vary) or approved Lab Science transfer course (credits vary)		Introduction to Geology I (Tectonics)	G101
		Introduction to Geology I (Tectonics) La	G101L
	ART206	History of Art II	ART205
		Term Credits: 15	
			Spring
spring term only		Portfolio and Professional Practices	DDM229
spring term only		Studio Capstone	DDM230
or approved Lab Science transfer course		Introduction to Biology I	BI101
(credits vary)			
or approved Lab Science transfer course		Introduction to Biology I Lab	BI101L
(credits vary)			
or approved Social Science transfer course		Personal Finance	BA218
(credits vary)			
or approved Social Science transfer course		Introduction to Human Geography	GEOG110
(credits vary)			

#### Term Credits: 17

### **Approved Science Electives**

(Complete at least two lab courses from the following list, 8-10 credits. Note that one course can be a regional field studies course.)

Course No.	Course Title	Credits
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry I w/lab and Recitation	5
CHEM105,106	Introductory Chemistry II, III w/lab	4-4
CHEM221,222,223	General Chemistry I, II, III w/lab and Recitation	5-5-5
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GS170	Regional Field Studies w/lab	4
PH201,202,203	General Physics I, II, III w/lab and Recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and Recitation	5-5-5

# **Approved Social Science Electives**

(complete 12-16 credits from the following list)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business	4
BA218	Personal Finance	3
CJ120	Introduction to the Judicial Process	4
CJ200/SOC244	Introduction to Criminology	4
CJ243/SOC243	Drugs, Crime and Addiction	4
COMM237	Communication and Gender	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HE250, HPE295	Personal Health/Health and Fitness for Life	3-3
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4

or approved Social Science transfer course

(credits vary)

HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
15110	Introduction to International Studies	4
PS201	U.S. Government: Institutions and Policy	4
PS202	U.S. Government: Ideologies and Political Participation	4
PS203	State and Local Government	4
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	Introduction to Sociology	4
SOC205	American Society	4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in the U.S.	4
SOC218	Sociology of Gender	4
SOC225	Social Problems and Solutions	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC235/HST259	The Chicano/Latino Historical Experience	4

1 Students may also take MTH111, MTH112, MTH211 and MTH212, MTH243 or MTH251. The Bachelor of Science degree requires two courses (7 or more credits) of math, designated programming, statistics or logic courses. The second course may be completed at RCC or SOU. See an advisor for details. For more information, contact the Visual Arts and Design Department:

1	J	
Phone		
Email		<u>VisualArtsandDesignInfo@roguecc.edu</u>
Web address		
ΠΥ		

# Emerging Media and Digital Arts Transfer to Southern Oregon University

# Associate of Science Degree

# About the Program

This 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.

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.

# **Program Learning Outcome**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Emerging Media and Digital Arts Transfer to Southern Oregon University degree are:

Utilize the correct tools and technology to create visual messages.

Create, re-produce, and distribute design projects.

Create a professionally designed portfolio using appropriate digital media tools.

Apply design history, theory, and criticism from a variety of perspectives.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **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.

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# **Graduation Requirements**

The Associate of Science degree will be awarded to students who complete a minimum of 90 credits in this program with a grade of "C" or better. Certain required courses are also graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>VisualArtsandDesignInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program I	Prereguisites		
CIS120 MTH95 WR115	Concepts in Computing I <sup>1</sup> Intermediate Algebra Introduction to Expository Writing	MTH96	Required for graduation or designated placement score or designated placement score
	Prerequisites credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
ART131 DDM120 COMM225 DDM150 HE250	Introduction to Drawing (Value) Digital Graphic Design I Small Group Communication and Problem-solving Computer Illustration (Illustrator) Personal Health	COMM111	fall/winter only or COMM100, or COMM218 or approved Social Science transfer course (credits vary)
	Term Credits: 16		
Winter			
MTH105 DDM140 DDM160 WR121	Introduction to Contemporary Math <sup>2</sup> Electronic Publishing I (InDesign) Digital Imaging: Photoshop English Composition I		or higher-level math
	Term Credits: 14		
Spring			
DDM130 DDM220 SOC213	Introduction to Adobe Web Tools Digital Graphic Design II Race and Ethnicity in the U.S.		spring term only or approved Social Science transfer course (credite vary)
DDM125	Digital Photography		
	Term Credits: 13		
Fall	Check in with Advisor		
MUS105	Music Appreciation		or approved Humanities transfer course (credits vary)
DDM185 DDM200 DDM223 WR122	Introduction to Digital Video (Premiere) Survey of Design and Film History Digital Graphic Design III English Composition II		fall term only fall term only
	Term Credits: 16		

Winter		
DDM141	Electronic Publishing II (InDesign)	winter term only
DDM224	Digital Graphic Design IV	winter term only
BI101	Introduction to Biology I	or approved Lab Science transfer course (credits vary)
BI101L	Introduction to Biology I Lab	or approved Lab Science transfer course (credits vary)
DDM190	Introduction to Animation (Adobe Animate)	
ART237	Illustration (Black and White Media)	Program elective,
		as needed to meet program requirements (credits vary)

#### Term Credits: 16

Spring			
CIS195	Web Authoring I		
DDM170	Motion Graphics (After Effects)		
DDM229	Portfolio and Professional Practices		spring term only
DDM230	Studio Capstone	DDM280	DDM230 spring term only
BI102	Introduction to Biology II		or approved Lab Science transfer course
			(credits vary)
BI102L	Introduction to Biology II Lab		or approved Lab Science transfer course
			(credits vary)

#### Term Credits: 17

Approved Humanities Electives (Complete at least two courses from the following list, 6-8 credits.)

Course No.	Course Title	Credits
ART204,205,206	History of Art I, II, III	4-4-4
COMM115	Introduction to Intercultural Communication	4
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
IS110	Introduction to International Studies	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3

MUS208	Film Music	3
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

Approved Science Electives (Complete at least two lab courses from the following list, 8-10 credits. Note that one course can be a regional field studies course.)

· ·	5 .	
Course No.	Course Title	Credits
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CHEM221,222,223	General Chemistry I, II, III w/lab and Recitation	5-5-5
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170	Regional Field Studies w/lab	4
PH201,202,203	General Physics I, II, III w/lab and Recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and Recitation	5-5-5

# Approved Social Science Electives (complete at least three courses from the following list, 6-8 credits)

Course No.	Course Title	Credits
ANTH110,150	Introduction to Cultural Anthropology/Archaeology	4-4
BA101	Introduction to Business	4
BA218	Personal Finance	3
CJ120	Introduction to the Judicial Process	4
CJ200/SOC244	Introduction to Criminology	4
CJ243/SOC243	Drugs, Crime and Addiction	4
COMM237	Communication and Gender	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HE250, HPE295	Personal Health/Health and Fitness for Life	3-3
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
PS201	U. S. Government: Institutions and Policy	4
PS202	U. S. Government: Ideologies and Political Participation	4
PS203	State and Local Government	4
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	Introduction to Sociology	4
SOC205	American Society	4
SOC211	Social Deviance and Social Control	3
SOC213	Race and Ethnicity in the U.S.	4
SOC218	Sociology of Gender	4
SOC225	Social Problems and Solutions	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC235/HST259	The Chicano/Latino Historical Experience	4

Approved Design and Digital Media Electives (Complete 0-6 credits or a sufficient number of electives to meet the total degree requirements of at least 90 credits.)

Course No.	Course Title	Credits
ART115	Basic Design I (Composition)	3
ART116	Basic Design II (Color Theory)	3
ART120	Introduction to Digital Art	3
ART222	Graphic Design (Typography)	3
ART237	Illustration (Black and White Media)	3
DDM161	Advanced Digital Imaging (Photoshop for Web)	4
DDM170	Motion Graphics (After Effects)	3
DDM186	Advanced Digital Video	3
DDM221	Production Graphics	3
DDM225	3D Graphics I (Blender)	3
DDM230	Studio Capstone, or DDM280 Cooperative Work Experience/Design and Digital Media	variable
DDM231	Content Management Systems (WordPress)	3
DDM235	Website Design	4
1 Approved Computer	Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past	ten years.
2 Students may also ta	ke MTH111, MTH112, MTH211 and MTH212, MTH243 or MTH251. The Bachelor of Science degree requires two courses (7 or r	more credits) of math, desig-
nated programming, stat	tistics or logic courses. The second course may be completed at RCC or SOU. See an advisor for details.	-
For more information, contac	t the Visual Arts and Design Department:	
Phone		
Email		IArtsandDesignInfo@roguecc.edu
Web address		
ΠΥ	O	regon Telecom Relay Service, 711

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# **BUSINESS TECHNOLOGY**

# **Business Assistant: Business and Information Specialist**

#### **Career Pathway Certificate**

#### About the Program

The Business and Information Specialist Career Pathway three-term certificate prepares students for entry-level office positions requiring "soft skills" in dealing with clients, customers, vendors and the public, as well as filing, records management, computer applications, and basic written communication duties. Courses included in this pathway can be applied toward completion of the one-year Business Assistant certificate and the Associate of Applied Science in Business Technology degree. This program can be completed entirely through online delivery.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Assistant Business and Information Specialist Career Pathway Certificate are:

#### **Business Communication**

Develop professional communications methods appropriate to business situations.

#### Technology

Use technology to assist with business operations.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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.

#### **Completion Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email a	address: <u>BusinessInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
<b>Program</b>	Prerequisites		
MTH20	Pre-algebra		or designated placement score
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-12		
Fall	Check in with Advisor		
BA131	Introduction to Business Computing		
BT113	Business English I <sup>1</sup>		
BT101	Human Relations in Organizations		
BT160	Business Math		
	Term Credits: 15		

Winter	
BT178 BT114 CIS125WW	Customer Service Business English II <sup>1</sup> Word Processing Applications (Microsoft Word)
	Term Credits: 10
Spring	
BA285 BT111	Advanced Business Applications: Excel <sup>2</sup> Conflict Management
	Term Credits: 6
1 Students who h receive this certifica	ave successfully completed the 3-credit versions of BT113 and BT114 will have met the requirements, but will need at least 31 applicable business credits to ate.
2 Students who h credits to receive th	ave successfully completed the 3-credit version of CIS125SS Spreadsheet Applications will have met the requirement, but will need at least 31 applicable business nis certificate.
For more information,	contact the Business Department:
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

# **Business Assistant: Customer Service**

### **Career Pathway Certificate**

### About the Program

The Customer Service Career Pathway two-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. This program can be completed entirely through online delivery.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Assistant Customer Service Career Pathway Certificate are:

#### **Employability Skills**

Develop the interpersonal skills necessary to preserve effective working relationships.

#### Technology

Use technology to assist with business operations.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### 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.

#### **Completion Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>BusinessInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
MTH20 RD90	Pre-algebra College Reading	WR91	or designated placement score or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based Placement Score(s): 0-12	on	
Term 1	Check in with Advisor		
BA131 BT113 BT101 BT160	Introduction to Business Computing Business English I <sup>1</sup> Human Relations in Organizations Business Math		
	Term Credits: 15		
Term 2			
BA101 BT114 BT178 BT105	Introduction to Business Business English II <sup>1</sup> Customer Service Business Ethics		
	Term Credits: 14		
1 Students who h this certificate.	nave successfully completed the 3-credit versions of I	BT113 and BT114 will have met the requirement but wi	ill need at least 29 applicable business credits to receive
For more information	, contact the Business Department:		
Phone			
Email			<u>BusinessInfo@roguecc.edu</u>
Web address			
ΠΥ			Oregon Telecom Relay Service, 711

# **Business Assistant: Retail Sales and Service**

#### **Career Pathway Certificate**

#### About the Program

The Retail Sales and Service Career Pathway 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. This program can be completed entirely through online delivery.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Assistant Retail Sales and Service Career Pathway Certificate are:

#### **Business Communication**

Develop professional communication methods that are appropriate to business situations.

#### Technology

Use technology to assist with business operations.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### 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.

# **Completion Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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Program email a	address: <u>Busir</u>	essInfo@roguecc.edu		33
Course No.	<b>Course Title</b>	)	Alternate Course	Comments
Program I MTH20 RD90	Prerequisit Pre-algebra College Readi	es ng	WR91	or designated placement score or designated placement score;
WR90	Fundamental	s of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisit Placement	es - credits vary based or Score(s): 0-12	I	
Fall	Check in wi	th Advisor		
BA131 BT113 BT101 BT160	Introduction t Business Engl Human Relati Business Matl	o Business Computing ish I <sup>1</sup> ons in Organizations 1		
	Term Credit	s: 15		
Winter				
BT114 BT121 BT178	Business Engl Digital Marke Customer Ser	ish II 1 ting and e-Commerce vice		
	Term Credit	s: 11		
Spring				
BA101 BA238	Introduction t The Art of Sell	o Business ing		
	Term Credit	s: 7		
1 Students who ha this certificate.	ave successfully comp	pleted the 3-credit versions of BT	13 and BT114 will have met the requirement but will	need at least 33 applicable business credits to receive
For more information,	contact the Business De	partment:		
Phone				
Email				<u>BusinessInfo@roguecc.edu</u>
Web address				
				Oregon relecom keidy service, 711

# Business Assistant: Small Business Management

#### **Career Pathway Certificate**

#### About the Program

The Small Business Management Career Pathway 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. This program can be completed entirely through online delivery.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Assistant: Small Business Management Career Pathway Certificate are:

#### **Analytical Skills**

Develop critical thinking by applying problem-solving skills to various areas of business.

#### Technology

Use technology to assist with business operations.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# **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.

#### **Completion Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their pathways certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>BusinessInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program P	rereauisites		
MTH20	Pre-algebra		or designated placement score
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-12		
Fall	Check in with Advisor		
BA131 BT113 BA101 BT160	Introduction to Business Computing Business English I <sup>1</sup> Introduction to Business Business Math		
	Term Credits: 16		
Winter			
BA211 BT114 BT101 BA223	Financial Accounting I Business English II <sup>1</sup> Human Relations in Organizations Principles of Marketing		
	Term Credits: 14		
Spring			
BT102 BA226 BT250	Introduction to Supervision Business Law Entrepreneurshin	BA206	BA206 is only offered in the winter term.
01200	Torm Credite: 10		Spring term only
1 Curdente de la	Ierni creats: To	12 d DT114	
this certificate	/e successfully completed the 3-credit versions of BTT	13 and BTTT4 will have met the requirement bi	ut will need at least 40 applicable business credits to receive
For more information of	nntact the Business Department:		
Phone			
Email			BusinessInfo@roauecc.edu
Web address			
ΠΥ			Oregon Telecom Relay Service, 711

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# **Business Assistant Certificate**

# **Certificate of Completion**

### **About the Program**

The Business Assistant four-term certificate program is designed to prepare students for entry-level positions in bookkeeping and small business fields (Accounting Assistant Specialty), administrative fields (Administrative Support Specialty), or supervisory management fields (Assistant Manager Specialty). This program can be completed entirely through online delivery.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Assistant Certificate of Completion are:

#### Analytical Skills

Develop critical thinking by applying problem-solving skills techniques to various areas of business.

#### Technology

Use technology to assist with business operations.

#### **Business Ethics**

Demonstrate knowledge of ethical and legal behaviors in business.

#### **Business Communication**

Develop professional communication methods appropriate to business situations.

#### **Employability Skills**

Develop the interpersonal skills necessary to preserve effective working relationships.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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.

#### **Graduation Requirements**

Students completing all courses in this program with a grade of "C" or better will earn a Business Assistant certificate. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

WR91

WR91

#### TOTAL PROGRAM CREDITS

Program email	address: <u>BusinessInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	
Program	Prerequisites		
MTH20	Pre-algebra		or designated pla

or designated placement score or designated placement score; WR91 fulfills RD90/WR90 or designated placement score; WR91 fulfills RD90/WR90

54-58

Comments

# Placement Score(s): 0-12

Fundamentals of Composition

Prerequisites - credits vary based on

College Reading

BT101	Human Relations in Organizations
BT113	Business English I <sup>1</sup>

Fall

RD90

WR90

BA131 BA101	Introduction to Business Computing Introduction to Business	
	Term Credits: 15	
Winter		
BT178 BT114 BT160 LIB127	Customer Service Business English II <sup>1</sup> Business Math Introduction to Academic Research	
	Term Credits: 12	
<b>Spring</b> BA218 BA211 CIS125WW BA109	Personal Finance Financial Accounting I <sup>2</sup> Word Processing Applications (Microsoft Word) Ready, Set, Work: Techniques for Landing A Job	
	Term Credits: 12	
Pick a Speci	alty Track	
Accounting Assist	tant	
BA285 BA213 BA177 BA228 BT105 BT102	Advanced Business Applications: Excel Managerial Accounting Payroll and Tax Procedures Computer Accounting Applications Business Ethics Introduction to Supervision	fall term only spring term only or approved program elective or approved program elective
	Specialty Track Credits: 19	
Administrative S	upport	
BA214 BT105 BT111 BA224 BA243	Business Communications Business Ethics Conflict Management Human Resource Management Social Media Marketing	winter term only or approved program elective or approved program elective
	Specialty Track Credits: 15	
Assistant Manage	21	
BA206 BA226 BT102	Management Fundamentals Business Law Introduction to Supervision	winter term only
BAZZ4 BΔ238	Human Resource Management The Art of Selling	winter term only or approved program elective
2.1200	Specialty Track Credits: 16	
Approved B		
(not taken as part o	f core requirement)	
Lourse No. BA199 BA206 BA213 BA223 BA224 BA226 BA228 BA228 BA228 BA238 BA243 BA243 BA243 BA249 BA285 BT102 BT105 BT106	Course Title Special Studies: Business Management Fundamentals Managerial Accounting Principles of Marketing Human Resource Management Business Law Computer Accounting Applications The Art of Selling Social Media Marketing Retail Management Advanced Business Applications: Excel Introduction to Supervision Business Ethics Advertiging	Credits variable 3 4 3 3 4 2 3 3 3 3 3 3 4 3 3 3 3 3 3 3

127

BT111	Conflict Management	2
BT121	Digital Marketing and e-Commerce	4
BT250	Entrepreneurship	3
	Any CIS125 application class not taken to fulfill core or specialty requirements	1-4
ECON115	Introduction to Economics	3
WR110	Understanding English Grammar	2
	Any world language	4
	an a	un line la la visita e na caractita da

1 Students who have successfully completed the 3-credit versions of BT113 and BT114 will have met the requirements, but will need at least 50-52 applicable business credits to receive this certificate.

2 Students who completed BA211 between summer 2017 and winter 2021 but not BA212, will require BA212 to meet the new BA211 requirement. Please speak with your academic advisor.

For more information, contact the Business Department:	
Phone	
Email	
Web address	
ΤΓΥ	Oregon Telecom Relay Service 71

# **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 two program options should students want to pursue a specialized focus area. This program can be completed entirely through online delivery.

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, start their own business enterprises, or work in the sales, advertising or e-commerce sectors, will find the Management and Marketing Option well suited to those career goals.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Technology Associate of Applied Science are:

#### **Analytical Skills**

Utilize critical thinking by applying problem-solving techniques to various areas of business.

#### Technology

Use technology to assist with business operations.

#### **Business Ethics**

Apply established legal and ethical behaviors in business.

#### **Business Communication**

Use professional communication methods appropriate to business situations.

#### Employability Skills

Use the interpersonal skills necessary to preserve effective working relationships.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### 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.

#### **Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of "C" or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### 

TOTAL PROC Program email a	GRAM ( ddress:	CREDITS BusinesssInfo@roguecc.edu		91-93
Course No.	Cour	se Title	Alternate Course	Comments
Program F	Prerec	Juisites		
MTH20 RD90	Pre-al Colleç	gebra ge Reading	WR91	or designated placement score or designated placement score; WR91 fulfills RD90/WR90
WR90	Funda	amentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prere Place	equisites - credits vary based o ement Score(s): 0-12	n	
Fall	Chec	k in with Advisor		
BA101 BT113 BA131 BT160	Introc Busin Introc Busin	luction to Business ess English I luction to Business Computing ess Math		
	Term	Credits: 16		
Winter				
BT101 BT114 LIB127 BA223 CIS125WW	Huma Busin Introc Princi Word	an Relations in Organizations ess English II luction to Academic Research ples of Marketing Processing Applications (Microsoft W	/ord)	
	Term	Credits: 14		
Spring				
BA238	The A	rt of Selling		BA238 spring term only or approved program elective - 18 elective credits required
BT111	Confli	ct Management		
BA218	Perso	nal Finance	COMM218	
BA243	Social	Media Marketing		
	Term	Credits: 15		
Fall	Chec	k in with Advisor		
BA211 BT105 ECON115	Finan Busin Introc	cial Accounting I <sup>1</sup> ess Ethics luction to Economics		
BIIOO	Adver	tising		or approved program elective -
				18 elective credits required
HE112	Emerg	gency First Aid	HE250	or HPE295 or HE252 or HE261
	Term	Credits: 14		
Winter				
BT121	Digita	l Marketing and e-Commerce		BT121 winter term only or approved program elective - 18 elective credits required
BA109 BT178	Ready Custo	ı, Set, Work: Techniques for Landing المرابع mer Service	A Job	

BA206	Management Fundamentals		BA206 winter term only or approved program elective – 18 elective credits required
BA214	Business Communications		
	Term Credits: 16		
Spring			
BA228	Computer Accounting Applications		BA228 spring term only or approved program elective 18 elective credits required
BA280	Cooperative Work Experience/Business	BT265	
BA285	Advanced Business Applications: Excel		
BT250	Entrepreneurship		BT250 spring term only or approved program elective - 18 elective credits required
BA226	Business Law		
	Term Credits: 16		

# **Approved Program Electives**

Select 18 credits from courses not otherwise required within the base program or option area. Optimal electives have been built into the guide above. See your program advisor.

Course No.	Course Title	Credit
BA177	Payroll and Tax Procedures	3
BA199	Special Studies in Business	variable
BA206	Management Fundamentals	3
BA213	Managerial Accounting	4
BA224	Human Resource Management	3
BA228	Computer Accounting Applications	2
BA238	The Art of Selling	3
BA249	Retail Management	3
BA280	Cooperative Work Experience/Business	1-9
BT102	Introduction to Supervision	3
BT106	Advertising	3
BT121	Digital Marketing and e-Commerce	4
BT250	Entrepreneurship	3
	Any CIS125 applications course (except those taken to fulfill core requirements)	1-6
ECON201	Introduction to Microeconomics	4
ECON202	Introduction to Macroeconomics	4
WR110	Understanding English Grammar	2
WR227	Technical Writing	4
	Any world language	4-12
1 Students who comple demic advisor.	ted BA211 between summer 2017 and winter 2021 but not BA212, will require BA212 to meet the new BA211 requiremen	t. Please speak with your aca-
For more information, contact	t the Business Department:	
Phone	· · · · · · · · · · · · · · · · · · ·	
E se sti		Destands (see see set

# **Business Technology**

Associate of Applied Science Degree - Accounting Option

# 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 two program options should students want to pursue a specialized focus area. This program can be completed entirely through online delivery.

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, start their own business enterprises, or work in the sales, advertising or e-commerce sectors, will find the Management and Marketing Option well suited to those career goals.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Technology Associate of Applied Science - Accounting Option are:

#### **Analytical Skills**

Utilize critical thinking by applying problem-solving techniques to various areas of business.

#### Technology

Use technology to assist with business operations.

#### **Business Ethics**

Apply established legal and ethical behaviors in business.

#### **Business Commuication**

Use professional communication methods appropriate to business situations.

#### **Employability Skills**

Use the interpersonal skills necessary to preserve effective working relationships.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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 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.

#### **Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of "C" or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email ad	ldress:	<u>BusinessInfo@roguecc.edu</u>		
Course No.	Cours	se Title	Alternate Course	Comments
<b>Program P</b>	rereq	uisites		
MTH20 RD90	Pre-alç Colleg	gebra e Reading	WR91	or designated placement score or designated placement score; WR91 fulfills RD90/WR89
WR90	Funda	mentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prere Place	quisites - credits vary based o ment Score(s): 0-12	n	
Fall	Chec	k in with Advisor		
BA101 BT113 BA131 BT160	Introd Busine Introd Busine	uction to Business ess English I uction to Business Computing ess Math		
	Term	Credits: 16		
Winter				
BT101 BT114	Huma Busine	n Relations in Organizations ess English II		

91-93

LIB127 BA226 CIS125WW	Introduction to Academic Research Business Law Word Processing Applications (Microsoft Wor	d)	
	Term Credits: 15		
<b>Spring</b> BA211 BT105 BA285 BA238	Financial Accounting I <sup>1</sup> Business Ethics Advanced Business Applications: Excel The Art of Selling	BT250	or approved program elective
BA243	Social Media Marketing		(7 creatis requirea)
	Term Credits: 17		
Fall	Check-in with Advisor		
BA213 BT102	Managerial Accounting Introduction to Supervision	BT106	or approved program elective
ECON115 BA177 HE112	Introduction to Economics Payroll and Tax Procedures Emergency First Aid <b>Term Credits: 14</b>	HE250	(9 creans required) fall term only or HE252 or HPE295 or HE261
Winter			
BA224	Human Resource Management	BA206	BA224 winter term only or approved program elective (9 credits required)
BA109 BA223 BT178 BA214	Ready, Set, Work: Techniques for Landing A J Principles of Marketing Customer Service Business Communications	ob	() ((()))
	Term Credits: 15		
<b>Spring</b> BA228 BA280 BT111 COMM111 BA218	Computer Accounting Applications CWE/Business Conflict Management Fundamentals of Public Speaking Personal Finance	BT265 COMM218	spring term only
	Term Credits: 14		
Approved (Select 9 credits	Program Electives from courses listed below. Optimal electives h	ave been built into the guide above. See your pr	ogram advisor.)
Course No. BA199 BA206 BA224 BA238 BA249 BA280 BT102 BT106 BT121 BT250  ECON201 ECON201 ECON202 WR110 WR227	<b>Course Title</b> Special Studies: Business Management Fundamentals Human Resource Management The Art of Selling Retail Management Cooperative Work Experience/Bus Introduction to Supervision Advertising Digital Marketing and e-Commerce Entrepreneurship Any CIS125 applications course (e Introduction to Microeconomics Introduction to Macroeconomics Understanding English Grammar Technical Writing Any world language	iness e xcept those taken to fulfill corerequirements)	Credit variable 3 3 3 3 3 1-9 3 3 3 4 4 3 1-6 4 4 2 4 4-9

1 Students who completed BA211 between summer 2017 and winter 2021 but not BA212, will require BA212 to meet the new BA211 requirement. Please speak with your academic advisor.

For more information, contact the Business Department:	
Phone	
Email	
Neb address	www.roquecc.edu/business
ΠΥ	Oregon Telecom Relay Service, 711

# **Business Technology - Management/Marketing Option**

# 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 two program options should students want to pursue a specialized focus area. This program can be completed entirely through online delivery.

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, start their own business enterprises, or work in the sales, advertising or e-commerce sectors, will find the Management and Marketing Option well suited to those career goals.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Business Technology Associate of Applied Science Management/Marketing Option program are:

#### **Analytical Skills**

Utilize critical thinking by applying problem-solving techniques to various areas of business.

#### Technology

Use technology to assist with business operations.

#### **Business Ethics**

Apply established legal and ethical behaviors in business.

#### **Business Communication**

Use professional communication methods appropriate to business situations.

#### Employability Skills

Use the interpersonal skills necessary to preserve effective working relationships.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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.

#### **Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of "C" or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>BusinessInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
MTH20 RD90	Pre-algebra College Reading	WR91	or designated placement score or designated placement score;
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-12		
Fall	Check in with Advisor		
BA101 BT113 BA131 BT160	Introduction to Business Business English I Introduction to Business Computing Business Math		
	Term Credits: 16		
Winter			
BT101 BT114 LIB127 BA223 CIS125WW	Human Relations in Organizations Business English II Introduction to Academic Research Principles of Marketing Word Processing Applications (Microsoft Word)		
	Term Credits: 14		
Spring			
BT105 BT111 BT102 COMM111 BA218	Business Ethics Conflict Management Introduction to Supervision Fundamentals of Public Speaking Personal Finance	COMM218	
	Term Credits: 15		
Fall	Check in with Advisor		
BT106 BA211 ECON115 BA226 CIS125PT	Advertising Financial Accounting I <sup>1</sup> Introduction to Economics Business Law Effective Presentations		fall term only offered fall term only,
			or approved program elective -
	Torm Cradites 16		5 electives required
Winter	Term Creats: To		
BA214 BT121 BT178 BA206	Business Communications Digital Marketing and e-Commerce Customer Service Management Fundamentals		winter term only winter term only
BA 109	Ready, Set, Work: lechniques for Landing A Job		
	ierm Credits: 16		
<b>Spring</b> HE112 BA280 BA285 BA243	Emergency First Aid Cooperative Work Experience/Business Advanced Business Applications: Excel Social Media Marketing	HE250 BT265	or HE252 or HPE295 or HE261
BT250	Entrepreneurship	BA238	or approved program elective –
	Term Credits: 14		o electives required

# **Approved Program Electives**

Select 5 credits from courses not otherwise required within the base program or option area. Optimal electives have been built into the guide above. See your program advisor.

Course No.	Course Title	Credit
BA177	Payroll and Tax Procedures	3
BA199	Special Studies: Business	variable
BA206	Management Fundamentals	3
BA213	Managerial Accounting	4
BA224	Human Resource Management	3
BA228	Computer Accounting Applications	2
BA238	The Art of Selling	3
BA249	Retail Management	3
BA280	Cooperative Work Experience/Business	1-9
BT102	Introduction to Supervision	3
BT106	Advertising	3
BT121	Digital Marketing and e-Commerce	4
BT250	Entrepreneurship	3
	Any CIS125 applications course (except those taken to fulfill core requirements)	1-6
ECON201	Introduction to Microeconomics	4
ECON202	Introduction to Macroeconomics	4
WR110	Understanding English Grammar	2
WR227	Technical Writing	4
	Any world language	4-12
1 Students who complet demic advisor.	ted BA211 between summer 2017 and winter 2021 but not BA212, will require BA212 to meet the new BA211 requirement.	Please speak with your aca-

For more information, contact the Business Department:
Phone
Email
Web address
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 articulated with SOU's Business program. The program offers an excellent balance of business and general education courses that support advanced study in the field of business. This program can be completed entirely through online delivery.

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 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.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Associate of Science Business Transfer to Southern Oregon University are:

#### Analytical Skills

Develop critical thinking skills by applying problem-solving techniques to various areas of business.

# Technology

Use technology to assist with business operations.

#### Accounting Fundamentals

Develop a comprehensive understanding of fundamental accounting concepts.

# **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

# 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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor for any questions in preparing to complete your transfer degree.

#### TOTAL PROGRAM CREDITS

Program email a	ddress: <u>BusinessInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program P MTH95 WR115	Prerequisites Intermediate Algebra Introduction to Expository Writing	MTH96	or designated placement score or designated placement score; if taken, will count as an elective
	Prerequisites - credits vary based on Placement Score(s): 0-7		
Fall	Check in with Advisor		
BA101 WR121 MTH243 BA131	Introduction to Business English Composition I Probability and Statistics Introduction to Business Computing		
	Term Credits: 16		
Winter			
WR227 PHL102	Technical Writing Ethics	WR122	or approved Humanities transfer course
BA285	Advanced Business Applications: Excel		Elective toward total 11-18, speak to advisor about appropriate course. This class is a prerequisite for BA282.
BA218 LIB127	Personal Finance Introduction to Academic Research		
	Term Credits: 16		
Spring			
ECON201 BA226 ART204	Principles of Microeconomics Business Law History of Art I		or approved Humanities transfer course
G100	Fundamentals of Geology		or approved Science transfer course (credits vary)
	Term Credits: 15		
Fall	Check in with Advisor		
BA211	Financial Accounting I <sup>1</sup>		

90-92

SPAN101 COMM111 BI101 BI101L	First Year Spanish I Fundamentals of Public Speaking Introduction to Biology I Introduction to Biology I Lab <b>Term Credits: 16</b>	SPAN201 COMM218/COMM225	Elective toward total 11-18, speak to advisor about appropriate course. or approved Lab Science transfer course (credits vary) or approved Lab Science transfer course (credits vary)
Winter SPAN102 BA282 BI102 BI102L BA213	First Year Spanish II Applied Business Statistics Introduction to Biology II Introduction to Biology II Lab Managerial Accounting <b>Term Credits: 16</b>	SPAN202	SPAN102 (4 credits) or other elective toward total 11-18; speak to advisor about appropriate course or approved Lab Science transfer course (credits vary) or approved Lab Science transfer course (credits vary)
Spring ECON202 ART206 SPAN103	Principles of Macroeconomics History of Art III First Year Spanish III	SPAN203	or approved Humanities transfer course (credits vary) SPAN103 (4 credits) or other elective toward total 11-18; speak to advisor about appropriate course, if needed

#### Term Credits: 12

# **Humanities**

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

Course No.	Course Title	Credits
ART131	Introduction to Drawing (Value)	3
ART204,205,206	History of Art I, II, III	4-4-4
COMM115	Introduction to Intercultural Communication	4
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	137

MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	
3MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

#### Science

(Select three courses from the following list – at least two courses must have labs. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology	4
CHEM104	Introductory Chemistry with lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	
CHEM106	Introductory Biochemistry w/lab	4
CIS195	Web Authoring I (non-lab course)	4
ENV111	Introduction to Environmental Science (non-lab)	3
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104	Physical Science: Physics w/lab	
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies w/lab	4
PH201,202,203	General Physics I, II, III w/lab and Recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and Recitation	5-5-5

#### **Electives**

Complete a sufficient number of transfer-level elective (numbered 100 and above) courses to meet the total degree requirements of at least 90 credits. A maximum of 12 career and technical course credits may be used towards the degree.

1 Students who completed BA211 between summer 2017 and winter 2021 but not BA212, will require BA212 to meet the new BA211 requirement. Please speak with your academic advisor.

For more information, contact the Business Department:

Phone	
Email	BusinessInfo@roquecc.edu
Web address	www.roquecc.edu/business
ΠΥ	Oregon Telerom Relay Service. 711

# **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 Oregon public university. Grade point average requirements for entry into the university's major are

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Associate of Science Oregon Transfer - Business are:

#### **Analytical Skills**

Develop critical thinking by applying problem-solving techniques to various areas of business.

#### Technology

Use technology to assist with business operations.

#### **Fundamentals of Accounting**

Develop a comprehensive understanding of fundamental accounting concepts.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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**

TOTAL DOCCOAM COEDITS

Students must complete a minimum of 90 term credits of lower division collegiate courses with a minimum grade of "C" or better. Students must have a minimum cumulative GPA of 2.0 at the time the ASOT-Business is awarded.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

Program email a	ddress:	BusinessInfo@roguecc.edu		70
Course No.	Cours	e Title	Alternate Course	Comments
<b>Program</b>	Prereq	uisites		
MTH95 WR115	Interm Introdu	ediate Algebra Iction to Expository Writing		or designated placement score or designated placement score; if taken, this will count as an elective.
	Prerec Placer	quisites - credits vary based on nent Score(s): 0-7		
Fall	Check	in with Advisor		
WR121 MTH243 BA131 SOC204	English Probab Introdu Introdu	I Composition I ility and Statistics Iction to Business Computing Iction to Sociology <sup>1</sup>		SOC204 meets cultural literacy requirement. Or approved Social Science transfer course that also meets cultural literacy requirement.

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	Term Credits: 16		
Winter			
WR227 COMM111 MTH111	Technical Writing <sup>2</sup> Fundamentals of Public Speaking College Algebra	WR122 COMM218	Math course dependent on
			Speak with an advisor
BA101	Introduction to Business <sup>3</sup>		
	Term Credits: 16		
Spring BA211 BA226	Financial Accounting I <sup>4</sup> Business Law		
ART204	History of Art I		or approved Humanities transfer course
GS104	Physical Science: Physics		or approved Lab Science transfer course (credits vary)
GS104L	Physical Science: Physics Lab		or approved Lab Science transfer course (credits vary)
	Term Credits:16		
Fall BA213 ECON201	<b>Check in with Advisor</b> Managerial Accounting Principles of Microeconomics		
MUS108	Music in World Cultures		or approved Humanities transfer course
BI101	Introduction to Biology I		or approved Lab Science transfer course (credits vary by course)
BI101L	Introduction to Biology I Lab		or approved Lab Science transfer course (credits vary)
	Term Credits: 16		
Winter		NTU440	NA 1 1 1
MTH244	Interential Statistics	MIHIIZ	Math course dependent on transferring institution. Speak with an advisor.
01100	later du stran de Diele au II		MTH244 has a prerequisite of BA285.
BITUZ	Introduction to Biology II		or approved Lab Science transfer course (credits vary)
BI102L	Introduction to Biology II Lab		or approved Lab Science transfer course
PHL102	Ethics		or approved Humanities transfer course (credits vary)
	Term Credits: 12		
Spring			
G100	Fundamentals of Geology		or any approved Science transfer course (credits vary)
ECON202 SOC213	Principles of Macroeconomics Race and Ethnicity in the U.S.		or approved Social Science transfer course
ART131	Drawing (Value)		Elective class. Check in with advisor to see if this is needed and appropriate for path. Up to 8 elective credits, if needed.
	Term Credits: 14		

# Mathematics

(three courses required) Students should consult university-specific information to determine any additional mathematics requirements.MTH243Probability and StatisticsPlus, two additional math courses from the following list:MTH111College AlgebraMTH12Elementary Functions

MTH211,212,213 MTH244 MTH251 MTH252 MTH252	Fundamentals of Elementary Math I, II, III Inferential Statistics Calculus I (Differential) Calculus II (Integral)	4-4-4 4 5 5
MTH254	Vector Calculus	5
MTH256	Differential Equations	5
MTH261	Linear Algebra	5

# **Distribution Requirements \***

(must include one course from any discipline that meets the statewide criteria for cultural literacy - see catalog for details)

#### **Humanities**

(9-12 credits)

Choose three courses from at least two disciplines/prefixes. Courses must be at least 3 credits each and exclude first-year world language courses; second-year world language is acceptable; American Sign Language is considered a world language (see catalog for approved list of humanities electives).

۸DT115	Pasic Design (Composition)	2
	Dasic Design (Composition)	Э
ARTITO	Basic Design (Color Theory)	3
ARTI31	Introduction to Drawing (Value)	3
ARI132	Introduction to Drawing (Line)	3
ART133	Introduction to Drawing (Mixed Media)	3
ART204, 205, 206	History of Art I, II, III *	4-4-4
COMM100	Basic Communication	3
COMM111	Fundamentals of Public Speaking	4
COMM115	Introduction to Intercultural Communication *	4
COMM201	Media and Society	4
COMM218	Interpersonal Communication	4
COMM225	Small Group Communication and Problem Solving	4
COMM237	Communication and Gender *	4
COMM270	Argument and Debate	4
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical *	4
ENG108	World Literature: Medieval to Renaissance *	4
ENG109	World Literature: Enlightenment to Modern *	4
ENG201, 202	Shakespeare I. II	4-4
ENG204	Survey of English Literature: Medieval to Renaissance	4
ENG205	Survey of English Literature: 18th Century to Romantic	4
ENG206	Survey of English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature *	4
ENG260	Introduction to Women Writers *	4
ENG275	The Bible as Literature	Д
HUM101	Introduction to Humanities: Classical to Medieval *	Д
HUM102	Introduction to Humanities: Classical to incurval	т Л
HUM102	Introduction to Humanities: Romanticism to 20th Century *	т Л
HUM215	Native American Arts and Cultures: Eskimo/Inuit *	т Л
HUM216	Native American Arts and Cultures: Eiset Nations of the Northwest Coast *	т Л
HIM217	Native American Arts and Cultures: Nations of the Plains *	т Л
	Native American Arts and Cultures: Nations of the Southwest *	т Л
HIM210	Native American Arts and Cultures: Paonles of Mavico *	т Л
10110	Introduction to International Studies *	т Л
MUS101	Music Fundamentals	
MUS101	Music Appreciation	2
MUSIUS	Music in World Cultures	С И
MUC111 112 112	Music Theory L.H. III	4 ллл
WUSTIT, TIZ, TIS	Music Mediy I, II, III Evaluring Music Introduction to Music History	4-4-4
IVIUSZU I	exploring music, introduction to music History	4

History of Jazz	3
Introduction to Rock Music	3
History of Western Music I: Ancient to Baroque	4
History of Western Music II: Classical and Romantic	4
History of Western Music III: 20th Century to Modern Day	4
History of Rock I: The Roots of Rock	3
History of Rock II: Rock's Golden Age	3
History of Rock III: Heavy Metal to Hip Hop	3
Philosophical Problems	4
Ethics	4
Critical Reasoning	4
World Religions *	4
Nature, Religion and Ecology	4
Second Year Spanish I, II, III *	4-4-4
Fundamentals of Acting I, II, III	4-4-4
Improvisational Theater	4-4-4
Theater Rehearsal and Performance	4
	History of Jazz Introduction to Rock Music History of Western Music I: Ancient to Baroque History of Western Music II: Classical and Romantic History of Western Music III: 20th Century to Modern Day History of Rock I: The Roots of Rock History of Rock II: Rock's Golden Age History of Rock III: Heavy Metal to Hip Hop Philosophical Problems Ethics Critical Reasoning World Religions * Nature, Religion and Ecology Second Year Spanish I, II, III * Fundamentals of Acting I, II, III Improvisational Theater Theater Rehearsal and Performance

#### **Social Science**

(6-8 credits)

### **Approved social science elective**

	_	-							
(s	ee	catalog	for	approved	list	of social	science	electives)	6-8

### Science

(15-17 credits) Complete four courses from at least two disciplines/prefixes from the following list, three of which must be lab courses.

· · · · ·		
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology	4
CHEM104	Introductory Chemistry w/lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology w/lab	4-4-4
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4

# **Electives**

Complete a sufficient number of transfer-level elective (numbered 100 and above) courses to meet the total degree requirements of at least 90 credits.

1 Meets cultural literacy criteria (one course required). See catalog for additional courses that meet the criteria.

2 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.

 $\ensuremath{\mathsf{3}}$  Students who have completed BA101 as a 3-credit course have met this requirement.

4 Students who completed BA211 between summer 2017 and winter 2021 but not BA212, will require BA212 to meet the new BA211 requirement. Please speak with your academic advisor.

For more mornation, contact the business bepartment.	
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711
### ALLIED HEALTH

## **Medical Assistant: Phlebotomy**

**Career Pathway Certificate** 

#### About the Program

The phlebotomy program is a one-term program that prepares students to become certified 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.

Successful completion of the program prepares students to sit for the National Healthcareer Association (NHA) phlebotomy certification exam (CPT.) Students do not automatically become certified through this program but may take the appropriate tests through NHA after completing the program. The curriculum was written using the standards and guidelines for the NHA phlebotomy certifications and can be reviewed at <a href="https://www.nhanow.com/certifications/phlebotomy-technician">https://www.nhanow.com/certifications/phlebotomy-technician</a>.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Phlebotomy Career Pathway Certificate are:

Perform phlebotomy procedures.

Maintain industry standards of quality control, infection control, and safety principles.

Uphold legal and ethical standards and confidentiality for patient privacy.

Demonstrate professionalism through acceptable attitude, organization, and time management skills.

Effectively apply verbal and nonverbal communication principles and skills.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students attend core phlebotomy classes as part of a structured cohort. Students who plan on entering the Phlebotomy program should meet with their faculty advisor and financial aid advisor to develop a plan prior to taking program courses. Cohort students must meet certain minimum academic requirements. Students can apply for program entry prior to prerequisite completion; however, all listed program prerequisites must be satisfactorily complete with a "C" or better prior to program start. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Students will complete specific health and immunization requirements and a criminal background check prior to starting the program. Students will also complete a drug screen prior to placement into a practicum. This screening process has an associated fee. Contact the Allied Health Department for more information.

Students wishing to enter the program cohort must declare their interest by attending a mandatory Allied Health Information Session and apply online through the Allied Health website: Allied Health Occupations Information Sessions.

Selection Process Applications must be received by the application deadline. Applications received after the application deadline may be reviewed based on cohort capacity and at the discretion of the department. Applicants will be selected by committee. Students may be asked to participate in an interview process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator's recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

#### **Graduation Requirements**

These requirements apply only to phlebotomy students admitted to the program during the current academic year. The program of study, graduation requirements, and courses are under constant review and are subject to revision. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of "C" or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of "P" for these courses indicate a student earned the equivalent of a "C" or better grade.

<b>_</b>		
Prerequisites	5	
Course No.	Course Title	Credits
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years	0-2
HE252	First Aid/CPR or	
	HETTZ Emergency First Ald and	0.2
	College Peopling/Eurodemontals of Composition or	0-3
	WR91 Fundamentals of Academic Literacy (WR91 substitutes	
	for both RD90 and WR90) or designated placement score	0-8
Total Prerequisi	ite Credits	0-13
		0-13
Required Co	re Courses	
Course No.	Course Title	Credits
First Term		
AH100	Medical Terminology: Introduction	3
AH104	Phlebotomy	3
AH105	Communication and Professional Behavior	3
AH170PHL	Phlebotomy Practicum	2
BI100SB	Biology of Human Body Systems <sup>2</sup>	3
TOTAL PROGRA	AM CREDITS	14
1 See program advisor i	if you have American Heart Association (AHA) BLS Provider certification. AHA must remain current for th	ne duration of the program.
2 Students who have co	mpleted either BI121 and BI122 or BI231, BI232, and BI233 (the entire sequence of either series) with a	an equivalent "C" or better grade do not need to take
BI100SB.		
For more information, contact	t the Allied Health Occupations office:	
Phone		
Email		<u>AlliedHealthInfo@roguecc.edu</u>
Web address		<u>www.roguecc.edu/phlebotomy</u>
ΠΥ		Oregon Telecom Relay Service, 711

## **Basic Health Care**

#### **Certificate of Completion**

#### About the Program

The Basic Health Care Certificate prepares students for work in entry-level positions in the health care industry. Students will gain knowledge and skills required to meet workforce requirements while fulfilling prerequisites to limited entry specialty programs within Allied Health such as Pharmacy Technician and Medical Assistant, which are in high demand in our region. This program is targeted for high school students and returning adult learners who are considering a career in healthcare to help guide interests and learn basic skills such as medical terminology and introduction to human body systems.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Basic Health Care Certificate of Completion are:

Describe medical terminology used in various healthcare environments.

Identify basic human body function.

Match natural abilities and interests with attributes and requirements for success in healthcare careers in order to identify and pursue potential career pathways.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process. It is important that students work closely with an advisor to select courses appropriate to their career goal(s). Students who are enrolled in the Basic Health Care certificate are not given advanced placement into limited-entry programs.

#### **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies and the program director's approval. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the program director 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 the equivalent of a "C" or better grade.

#### **Prerequisites**

Course No.	Course Title	Credits
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years	0-2
MTH20	Pre-Algebra or higher-level math or	
	designated placement score	0-4
RD90/WR90	College Reading/Fundamentals of Composition or	
	WR91 Fundamentals of Academic Literacy (WR91 substitutes	
	for both RD90 and WR90) or designated placement score	0-8
Total Prerequisi	ite Credits	0-14

#### **Total Prerequisite Credits**

#### **Required Courses**

Course No.	Course Title	Credits
WR115	Introduction to Expository Writing or	
	BT113 Business English I or higher-level composition	3-4
AH100	Medical Terminology: Introduction	3
BI100SB	Biology of Human Body Systems 1	3
CG155	Exploring Careers in Health Care	3
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
HE252	First Aid/CPR or HE112 Emergency First Aid	
	AND HE261 CPR/Basic Life Support Provider	2-3

#### **Electives**

(6-10 credits required)

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.

AH22	Healthcare Calculations	3
AH105	Communication and Professional Behavior	3
AH107	Electrocardiograms (ECG) for Medical Assistants	2
AH108	Introduction to Pharmacology for Medical Assistants	2
AH123	Legal and Ethical Issues for Medical Personnel	2
HC100	Community Health Worker	6
HE250	Personal Health	3
LIB127	Introduction to Academic Research	1
SOC230	Introduction to Gerontology	4
SOC243/CJ243	Drugs, Crime and Addiction	4
TOTAL PROGRAM CREDITS		23-29

#### TOTAL PROGRAM CREDITS

1 Students who have completed either BI121 and BI122 or BI231, BI232 and BI233 (the entire sequence of either series) with an equivalent "C" or better grade do not need to take BI100SB.

For more information, contact the Allied Health Occupations office:

Phone	
Email	
Web address	www.roquecc.edu/alliedhealth
ΠΥ	

## **Medical Office Assistant**

#### **Certificate of Completion**

#### About the Program

The two-term Medical Office Assistant program will prepare students for entry-level employment in a healthcare setting. Medical office assistants are in many ways similar to other administrative assistants, but they have specialized knowledge about healthcare and the specifics about the type of practice for which they work. They are an essential part of running an efficient medical practice. Effective communication with both patients and medical staff, medical terminology, insurance and billing cycles, and general office procedures are included in this program. Students completing this program will be prepared to take the national Certified Medical Administrative Assistant (CMAA) exam, although certification is not an employment requirement at this time.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Medical Office Assistant Certificate of Completion are:

Accurately apply concepts in medical billing and coding to electric health records and insurance.

Identify and demonstrate patient scheduling procedures in various healthcare settings.

Demonstrate effective communication and cultural competency skills.

Identify and describe HIPAA guidelines in medical office settings and apply legal concepts within the scope of practice.

Describe roles and responsibilities of medical administrative assistants and how they collaborate with other healthcare team members.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students attend core MOA courses as part of a structured cohort. Cohort students must meet certain minimum academic requirements. Students can apply for program entry prior to prerequisite completion; however, all listed program prerequisites must be satisfactorily complete with a "C" or better prior to program start. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade

Students must also complete specific health and immunization requirements and a criminal background check prior to starting the program. Students must complete a drug screen prior to placement in a practicum. This screening process has an associated fee. Contact the Allied Health Department for more information.

Students wishing to enter the program cohort must declare their interest by attending a mandatory Allied Health Information Session and apply online through the Allied Health website: Allied Health Occupations.

#### **Selection Process**

Applications must be received by the application deadline. Applications received after the application deadline may be reviewed based on cohort capacity and at the discretion of the department. Applicants will be selected by committee. Students may be asked to participate in an interview process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator's recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

#### **Graduation Requirements**

These requirements apply only to students admitted to the program during the current academic year. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of "C" or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of "P" for these courses indicate a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

26-29

#### TOTAL PROGRAM CREDITS

Program Email: <u>AlliedHealthInfo@roguecc.edu</u>					
Course No.	Course Title	Alternate	Course	Comments	
Program	Prerequisites				
BT113	Business English I	WR115	or designated placement score or higher-	level composition course	
CIS120	Concepts in Computing 11			•	

HE252 MTH20	First Aid/CPR <sup>2</sup> Pre-algebra	or HE112 and HE261, or Instructor permission or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-13	
Term 1	Check in with Advisor	
AH100 AH105 AH120 AH150 AH123	Medical Terminology: Introduction Communication and Professional Behavior Medical Office Assistant I Introduction to Practicum and Seminar Legal and Ethical Issues for Medical Personnel	Can be taken outside of cohort Can be taken outside of cohort Can be taken outside of cohort
	Term Credits: 14	
Term 2 <sup>3</sup>	Check in with Advisor	
AH121 AH130 AH170MOA LIB127	Medical Office Assistant II Concepts in Medical Insurance and Billing Medical Office Assistant Practicum Introduction to Academic Research	Can be taken outside of the cohort
	Term Credits: 12	
Approved (0-3 credits allo	<b>d Program Electives <sup>4</sup></b> wed, to be taken in last term)	
<b>Course No.</b> BI100SB BT111 COMM100 HS144 WR110	<b>Course Title</b> Biology of Human Body Systems Conflict Management Basic Communication Introduction to Assertiveness Understanding English Grammar	<b>Credits</b> 3 2 3 1 2
1 Approved Corr	nputer Information Science or Computer Science class, CIS120/CS120 or above, or docur	nented computer proficiency within the past ten years.
2 See program a	dvisor if you have American Heart Association (AHA) BLS Provider certification. AHA must	remain current for the duration of the program.
3 Successful com	pletion of all prior program courses is required before advancement.	
4 Additional prer	requisites may apply.	
For more information	, contact the Allied Health Occupations office:	
Phone		
Email		<u>AlliedHealthInfo@roguecc.edu</u>
Web address		

## **Pharmacy Technician**

#### **Certificate of Completion**

#### About the Program

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The Pharmacy Technician two-term certificate program prepares students for work in entry-level positions in hospitals and retail pharmacy settings. Students will learn to prepare prescription orders under the supervision of a licensed pharmacist, perform applicable pharmacy calculations, and comply with federal and state regulatory agency laws and regulations. Upon completion of this program students will be able to perform all the duties required in any pharmacy practice setting. Students completing this program will be prepared to take the national Certified Pharmacy Technician (CPhT) exam.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Pharmacy Technician Certificate of Completion program are:

Perform accurate pharmacy calculations and proficiently apply computer skills, record keeping and billing in adherence to industry regulations.

Accurately prepare, label, and package medications while working under the supervision of a licensed pharmacist.

Apply verbal, nonverbal, and written communication principles and skills effectively and compassionately within a team setting.

Uphold legal and ethical standards and confidentiality for patient privacy.

Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students attend core Pharmacy Technician courses as part of a structured cohort. Cohort students must meet certain minimum academic requirements. Students can apply for program entry prior to prerequisite completion; however, all listed program prerequisites must be satisfactorily complete with a "C" or better prior to program start. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Students must also complete specific health and immunization requirements and a criminal background check prior to starting the program. Students must complete a drug screen prior to placement in a practicum. This screening process has an associated fee. Contact the Allied Health Department for more information.

Students wishing to enter the program cohort must declare their interest by attending a mandatory Allied Health Information Session and apply online through the Allied Health website: Allied Health Occupations.

#### **Selection Process**

Applications must be received by the application deadline. Applications received after the application deadline may be reviewed based on cohort capacity and at the discretion of the department. Applicants will be selected by committee. Students may be asked to participate in an interview process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator's recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate program coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

#### **Graduation Requirements**

These requirements apply only to students admitted to the program during the current academic year. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of "C" or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/no pass basis, a grade of "P" for these courses indicate a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion guestions.

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#### TOTAL PROGRAM CREDITS

Program Email	AlliedHealthInfo@roguecc.edu		
Course No.	Course Title	Alternate Course	Comments
<b>Program P</b>	rerequisites		
BT113	Business English I	WR115	or designated placement score
MIH20 CIS120	Pre-algebra Concepts in Computing L <sup>1</sup>		or designated placement score
HE252	First Aid/CPR <sup>2</sup>		or HE112 and HE261 or Instructor Permission
	Prerequisites - credits vary based on		
	Placement Score(s): 0-13		
For more informat	ion go to <u>www.roguecc.edu/landing/alliedHealth</u>		
Term 1	Check in with Advisor		
AH22	Healthcare Calculations		
AH100	Medical Terminology: Introduction		can be taken outside of cohort
AH202	Infection Control for the Healthcare Professional		
AH150 BI100CB	Introduction to Practicum and Seminar		can be taken outside of sebert
PRX101	Pharmacy Technician I		
	Term Credits: 17		
Term 2 <sup>4</sup>	Check in with Advisor		
AH105	Communication and Professional Behavior		
AH123	Legal and Ethical Issues for Medical Personnel		
AH165	Introduction to Pharmacology for Pharmacy Technicia	ns	
AH1/OPRX	Pharmacy lechnician Practicum		
ΓΚΛΙΟΖ			
	Term Credits: 14		

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

2 See program advisor if you have American Heart Association (AHA) BLS Provider certification. AHA must remain current for the duration of the program.

3 Students who have completed either BI121 and BI122 or BI231, BI232, and BI233 (the entire sequence of either series) with an equivalent "C" or better grade do not need to take BI100SB.

4 Successful completion of all prior program courses is required before advancement. For more information, contact the Allied Health Occupations office:

Phone	
Email	AlliedHealthInfo@roquecc.edu
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

## **Medical Assistant**

#### **Certificate of Completion**

#### About the Program

Medical assistants are health care practitioners qualified by education, experience, and examination to assist doctors in the performance of patient care, examination, and documentation. These multi-skilled practitioners, under the supervision of a physician, perform or assist in taking patient vitals, front office medical administrative tasks, back office clinical procedures, and ECG testing. Medical assistants are the face of medical offices and are often the first people with whom patients come into contact. They may perform basic medical coding and billing, scheduling, and patient flow and screening. Other duties may include point of care 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. Since January 2015, most medical practices require medical assistants to have certification. In addition, students may also sit for the Certified Phlebotomy Technician (CPT) and the Certified ECG Technician (CET) exams to certify through the Healthcareer Association. The curriculum for the program is based on the standards and guidelines for the CMA which can be reviewed on the following website: NHA www.nhanow.com.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Medical Assistant Certificate of Completion are:

Perform and document routine clinical procedures according to current office protocol.

Perform and document routine administrative procedures according to current office protocol.

Effectively apply verbal, nonverbal, and written communication principles and skills.

Uphold legal and ethical standards and confidentiality for patient privacy.

Demonstrate professionalism through acceptable attitude, organization and time management skills, and attire.

Maintain industry standards of infection control and safety principles.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students attend core MA courses as part of a structured cohort. Cohort students must meet certain minimum academic requirements. Students can apply for program entry prior to prerequisite completion; however, all listed program prerequisites must be satisfactorily complete with a "C" or better prior to program start. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Students must also complete specific health and immunization requirements and a criminal background check prior to starting the program. Students must complete a drug screen prior to placement in a practicum. This screening process has an associated fee. Contact the Allied Health Department for more information.

Students wishing to enter the program cohort must declare their interest by attending a mandatory Allied Health Information Session and apply online through the Allied Health website: Allied Health Occupations.

Selection Process

Applications must be received by the application deadline. Applications received after the application deadline may be reviewed based on cohort capacity and at the discretion of the department. Applicants will be selected by committee. Students may be asked to participate in an interview process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the program coordinator's recommendation. In order to ensure coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department coordinator before being accepted toward core requirements. College Now credit earned in conjunction with local high schools will be accepted in accordance with the current agreement.

#### **Graduation Requirements**

These requirements apply only to Medical Assistant students admitted to the program during the current academic year. The program of study, graduation requirements, and courses are under constant review and are subject to revision. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide or catalog for that year. Students must complete all courses on this graduation guide with a grade of "C" or better to continue in and complete the program and receive their certificates. If certain required courses are graded only on a pass/ no pass basis, a grade of "P" for these courses indicate a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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2

3

1

4

#### TOTAL PROGRAM CREDITS

Program Email: AlliedHealthInfo@roguecc.edu

**Conflict Management** 

**Basic Communication** 

Introduction to Assertiveness

Introduction to Gerontology

BT111

HS144

SOC230

150

COMM100

Course No.	Course Title	Alternate Course	Comments
Program P	Prerequisites		
BT101	Human Relations in Organizations	PSY101	Required for graduation
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
HE252	First Aid/CPR <sup>2</sup>	HE112/HE261	or Instructor Permission
WITTO5	Аррпец Аідеріа і	WITTOO	Applied Algebra I or MTH60 Fundamentals
			of Algebra I or higher-level math.
WR115	Introduction to Expository Writing	BT113	Required for graduation or higher-level writing course.
	Prerequisites - credits vary based on		
	Placement Score(s): 10-16		
Term 1	Check in with Advisor		
AH100	Medical Terminology: Introduction	can be taken outside of cohort	
AH101	Medical Assistant I: Administrative		
AH102 AH123	Medical Assistant II: Clinical		
BI100SB	Biology of Human Body Systems <sup>3</sup>	can be taken outside of cohort	
	Term Credits: 15		
Term 2	Check in with Advisor		
AH103	Medical Assistant III: Specialty		
AH104	Phlebotomy		
AH105	Communication and Professional Behavior		
AH110	Medical lerminology: Clinical		
АПТЭО			
Ierm 3	Check in with Advisor.	lyancomont	
	Medical Assistant Practicum	ivancement.	
AH202	Infection Control for the Healthcare Professional		
AH107	Electrocardiogram (ECG) for Medical Assistants		can be taken outside of cohort
AH108	Introduction to Pharmacology for Medical Assistan	its	can be taken outside of cohort
LIB127	Introduction to Academic Research		can be taken outside of cohort
AH22 is a recomm	nended elective, but not required to complete the prog	gram.	
AHZZ	Healthcare Calculations		
	Term Credits: 15		
Approved	Program Electives		
(U-3 credits allow	vea):		
Course No.	Course Title		Credits
AH22	Healthcare Calculations		3
AHT/UPHL	Phiedotomy Practicum		2

HE259	Care and Prevention of Athletic Injury	3
SOC213	Race and Ethnicity in the U.S.	4
HE208	HIV and Infectious Diseases	1
1 Approved Computer	r Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the pasi	t ten years.
2 See program advisor	r if you have American Heart Association (AHA) BLS Provider certification. AHA must remain current for the duration of the prog	ram.
3 Students who have co BI100SB.	completed either BI121 and BI122 or BI231, BI232, and BI233 (the entire sequence of either series) with an equivalent "C" or be	tter grade do not need to take
For more information, contact	act the Allied Health Occupations office:	
Phone		
Email		<u>AlliedHealthInfo@roguecc.edu</u>
Web address		<u>www.roguecc.edu/alliedhealth</u>
ΠΥ	(	Oregon Telecom Relay Service, 711

### COMPUTER SCIENCE

## Health Informatics - Transfer to Oregon Tech

Associate of Science Degree

#### About the Program

This Associate of Science (AS) degree is based on a signed articulation agreement with Oregon Tech. The program is designed for students transferring to its baccalaureate degree program in Information Technology/Health Informatics Option. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 48 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to Oregon Tech.

Students should be aware, however, that if they transfer before completing this degree, their courses will be evaluated individually toward the transfer requirements of the college of their choice.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Health Informatics - Transfer to Oregon Tech degree are:

Demonstrate the knowledge, techniques, skills, and modern tools of the discipline to defined health systems technology.

Ability to design and implement health systems using the last technology and standard best practices.

Ability to identify, analyze, and solve technical issues with the use of health systems and technology.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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 the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>ComputerScienceInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		
MTH95	Intermediate Algebra		or designated placement score
WRI15	Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
BA211	Financial Accounting I		
CIS140 WP121	Introduction to Operating Systems		
MTH111	College Algebra		
	Term Credits: 16		
Winter			
CIS179	Introduction to Networks		
AH100	Medical Terminology: Introduction		
BA223	Principles of Marketing		
WKZZ/	Term Creditor 14		
	ierm Credits: 14		
Spring	Managerial Accounting		
DAZ 13 CIS240	Advanced Operating Systems		
PSY202	General Psychology II		
Approved transf	erable general elective as needed (see advisor).		
	Term Credits: 13		
Fall	Check in with Advisor		
CIS125DB	Database Management Systems		
CIS227	PC Hardware Fundamentals and Repair		111
PHLIUI	Philosophical Problems		or approved Humanities transfer course (credits varv)
COMM111	Fundamentals of Public Speaking		
ECON201	Principles of Microeconomics		
	Term Credits: 18		
Winter			
CS133C#	Programming Fundamentals Using C#		winter term only
BI102	Introduction to Biology II		winter term only
BITUZL FCON202	Principles of Macroeconomics		winter term only
BA206	Management Fundamentals		
	Term Credits: 15		
Spring			
CS275	Data Base Development I		spring term only
CIS279	Network Operating Systems		
HUM101	Introduction to Humanities: Classical		
MUS108	or approved numanities transfer course (credits ) Music in World Cultures	/d1y)	annroved Humanities
	masic in world cultures		transfer course (credits vary)
	Term Credits: 16		
Approved	d Transforable Electives		

Approved Transferable Electives Complete a sufficient number of college-level (numbered 100 and above) courses to meet the total degree requirement of at least 90 credits.

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 (Composition/Color Theory)	3-3
ART131.132.133*	Introduction to Drawing (Value/Line/Mixed Media)	3-3-3
ART204,205,206	History of Art I, II, III	4-4-4
ART234,235,236*	Figure Drawing I, II, III	3-3-3
ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory I, II, III	3-3-3
MUS114,115,116	Aural Skills I, II, III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211.212.213	Music Theory IV. V. VI	3-3-3
MUS224,225,226	Aural Skills IV. V. VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
1 Approved Computer Informati	on Science or Computer Science class, CIS120 or above, or documented computer proficiency, precluding the ,475 proficiency exam.	
For more information, contact the Comr	puter Information Science Department:	
Phone		1-956-7500
Email		ra gu a ca a du

Email	ComputerScienceInfo@roguecc.edu
Web address	. <u>www.roguecc.edu/computerscience</u>
ΠΥ	. Oregon Telecom Relay Service, 711

#### **DENTAL ASSISTING**

## **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). The curriculum is based in general dentistry; students are trained in four-handed chair-side assisting techniques to work with general dentists during all phases of patient examination and treatment.

Program students attend classes as part of a structured cohort that begins each year in summer term. Students should apply early as the required mandatory information session is scheduled several months prior to the summer start. Note: Students may still be working on prerequisites to cohort acceptance classes when applying.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Dental Assistant Certificate of Completion are:

Demonstrate patient education and administrative office skills.

Demonstrate occupational safety skills.

Demonstrate general chair-side and laboratory sciences skills.

Develop fluency and competency dealing with legal and ethical issues.

Evaluate radiographic proficiencies.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students attend classes as part of a structured cohort that begins each summer term. The program is designed to be four full-time terms; however, it is possible to take courses prior to entering the cohort in order to reduce credits during program. Students who plan on entering the Dental Assistant program should meet with their faculty advisor to develop an academic plan.

Cohort students must meet certain minimum academic requirements before the program application due date. Students can apply for program entry prior to prerequisite completion; however, all listed program prerequisites must be complete with a "C" or better prior to program start. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

Students wishing to enter the program cohort must declare their interest by attending a mandatory Allied Health Information Session and apply online through the Allied Health Occupations website: Allied Health Occupations Information Sessions | RCC (www.roguecc.edu)

#### **Selection Process**

After application submission, students will complete specific health and immunization requirements and a criminal background check prior to starting the program. This screening process has an associated fee. Applications received after the application deadline may be reviewed based on cohort capacity and at the discretion of the department\*. The Allied Health Occupations department strives to accept all students into programs if academic and screening requirements are met, however in the event that cohort capacity is exceeded students may be asked to participate in an interview process. Students entering a cohort are required to attend a mandatory program orientation.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Program Coordinator's recommendation. In order to ensure coursework is current, program courses over five years old must be reviewed and approved by the appropriate department coordinator before being accepted toward core requirements. College Now credit will be accepted in accordance with the current agreement.

#### **Graduation Requirements**

Students completing all courses in this program with a grade of "C" or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion guestions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>DentalInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Prerequisites	to Cohort Acceptance		
BT101 BT113	Human Relations in Organizations Business English I <sup>1</sup>	PSY101 WR115	Required for graduation Required for graduation or higher level writing
CIS120 MTH63	Concepts in Computing I <sup>2</sup> Applied Algebra I	MTH60/BT160	Required for graduation Required for graduation or higher level math
	Prerequisites - credits vary based of Placement Score(s): 10-13	<b>1</b>	
Apply to the De	ntal Assistant Program at <u>https://go.roguecc.</u>	<u>edu/department/dental-assistant</u> between N	ovember 1 and March 15 for Summer entry
Summer AH100 AH105 DA101 DA202	Check in with Advisor Medical Terminology: Introduction Communication and Professional Behavior Dental Assisting I Infection Control for the Dental Professiona		can be taken outside of cohort
HE252	First Aid/CPR		or HE112 and HE261;
			can be taken outside of cohort
	Term Credits: 15		
Fall           DA102           DA102L           DA103           DA104           AH150           DA201	Check in with Advisor Dental Assisting II Dental Assisting II Lab Dental Materials Dental Administration Introduction to Practicum and Seminar Dental Radiology		
	Term Credits: 16		
<b>Winter</b> DA123 DA106 DA152 DA201L DA203	Check in with Advisor Legal and Ethical Issues in Dentistry Dental and Medical Emergency Manageme Practicum and Seminar in Dental Assisting Dental Radiology Clinical Lab Chair-side Assisting Term Credits: 12	ent I	
Spring	Check in with Advisor		
DA153 DA204 DA204L	Practicum and Seminar in Dental Assisting Expanded Functions Dental Assistant Expanded Functions of Dental Assistant Lak	 	
Below are recon	nmended elective(s), which are not required	o complete the program.	
WR121	English Composition I <sup>3</sup>		WR121 if not taken as a prerequisite, or approved program elective.

#### Term Credits: 7-12

# Approved Program Electives (0-5 credits allowed)

Course No.	Course Title	Credit
AH110	Medical Terminology: Clinical	3
BA101	Introduction to Business	4
BT102	Introduction to Supervision	3
CG100	College Success and Survival	2
CG105	Finding the Money: Scholarship Essay Writing	1
COMM100	Basic Communication	3
COMM111	Fundamentals of Public Speaking	4
COMM115	Introduction to Intercultural Communication	4
COMM218	Interpersonal Communication	4
HS152	Stress Management	1
LIB127	Introduction to Academic Research	1
		155

MTH	Any math course numbered MTH60 or above (if not taken to fulfill math requirement)	4-5
RD115	Speedreading for College	3
SPAN101,102,103	First Year Spanish I, II, III	4-4-4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4
SRV101	Service Learning	1-3
WR110	Understanding English Grammar	2
WR121	English Composition I (if not taken to fulfill writing requirement)	4
WR122	English Composition II	4
WR227	Technical Writing	4
	Any college-level science course numbered 100 and above	3-5
	Any health or physical education course	variable

1 Students who have successfully completed the 3-credit version of BT113 will have met the composition requirement.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

3 Approved program electives are optional.

For more information, contact the Allied Health Occupations office.	
Phone	
Email	
Web address.	
ΠΥ	Oregon Telecom Relay Service, 711

#### **EMERGENCY SERVICES**

## **Emergency Medical Services: EMT**

#### **Career Pathway Certificate**

#### About the Program

The Emergency Medical Technician (EMT) two-term pathway certificate offers career training for entry-level personnel in EMT. Successful completion of the EMT course leads to eligibility to sit for the state and National Registry EMT exams. Successful completion of the curriculum leads to a two-term RCC pathway certificate and the ability to apply for positions as an EMT in hospital emergency departments and ambulance services. It is also the minimum requirement for some firefighter positions.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Emergency Medical Services EMT Career Pathway Certificate are:

Perform an adequate patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.

Demonstrate effective communication, cultural competency, and conflict management and intervention skills for people in crisis.

Implement self-care strategies and techniques to address the impact of stress and emotional trauma on emergency providers.

Demonstrate workplace expectations regarding attendance, safety, conduct, and professionalism.

#### **Entry Requirements**

Students are required to complete the Placement Process to determine sk

ill 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 through the Placement Process.

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 the Emergency Medical Services (EMS) Department website (<u>www.roguecc.edu/EmergencyServices/EMS</u>) 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 will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC requirements.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Emergency Services (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 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 the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program Email Address: <u>EmergencyServicesInfo@roguecc.edu</u>				
Course No.	Cour	se Title	Alternate Course	Comments
Program F	Prerec	quisites		
MTH20	Pre-al	gebra		or designated placement score
RD90	Colleg	ge Reading	WR91	or designated placement score;
WR90	Funda	amentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR91
	Prere Place	equisites - credits vary based on ement Score(s): 0-12		
Term 1	Chec	k in with Advisor		
ES105	Introd	luction to Emergency Services		
ES131	Emerg	gency Medical Technician Part I		
ES131L	Emerg	gency Medical Technical Part I Lab		
ES295	Healti	h and Fitness for Emergency Service Workers	HPE295	
	Term	Credits: 13		
Term 2				
ES132	Emerç	gency Medical Technician Part II		
ES132L	Emerç	gency Medical Technician Part II Lab		
ES268	Emerç	gency Service Rescue		
	Emer	gency venicle Operations		or approved program elective
FRFZOI			COMINITOO/MITH05	of approved program elective
	Term	Credits: 13		
Approved (2-8 credits allow	Pathw ved)	way Electives		

Course No.	Course Title	Credits
AH100	Medical Terminology	3
BI211/BI211L	General Biology I and BI211L (lab)	4
COMM100	Basic Communication or higher-level COMM course	3-4
EMS160	Electrocardiogram (ECG) Interpretation	2
ES205	Crisis Intervention for Emergency Services Workers	3
FRP261	Hazardous Materials First Responder Operations	2
MTH60	Fundamentals of Algebra I or MTH63 Applied Algebra I	4
WR115	Introduction to Expository Writing	3
For more information, contact	the Emergency Services Department:	
Phone	•••	
Email		<u>EmergencyServicesInfo@roguecc.edu</u>
Web address		
ΠΥ		Oregon Telecom Relay Service, 711

## **Emergency Medical Services**

#### Certificate of Completion

#### About the Program

The Emergency Medical Services (EMS) three-term certificate program is accredited by the Oregon Department of Education and the Oregon Health Authority – EMS. It offers career training for entry-level personnel in EMT. Successful completion of the EMT course leads to eligibility to sit for the state and National Registry EMT exams. This program is ideal for students who plan to go on to the Associate of Applied Science degree in Paramedicine. Students not interested in the paramedic level may wish to consider the EMT Career Pathway certificate.

Successful completion of the curriculum leads to a one-year RCC certificate and eligibility to apply for the Paramedicine courses at RCC, at any other Oregon community college offering the associate degree, or at the Oregon Health and Science University.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Emergency Medical Service Certificate of Completion are:

Perform a patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.

Demonstrate effective communication, cultural competency, and conflict management and intervention skills for people in crisis.

Implement self-care strategies and techniques to address the impact of stress and emotional trauma on emergency providers.

Demonstrate leadership, teamwork and decision making in the management of multiple personnel on emergency scenes.

Demonstrate workplace expectations regarding attendance, safety, conduct, and professionalism.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

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 the Emergency Medical Services (EMS) Department website (<u>www.roguecc.edu/EmergencyServices/EMS</u>) or at the Emergency Services Department office located at the RCC Table Rock Campus. Students are strongly encouraged to meet with an Emergency Services 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 will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC requirements.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Emergency Services Department Chair's recommendation. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the Emergency Services Department chair before being accepted toward core requirements.

#### **Graduation Requirements**

Students completing all credits outlined in this program with a grade of "C" or better will earn a certificate in Emergency Medical Services. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

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

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

45-50

#### TOTAL PROGRAM CREDITS

Program Email Address: <u>EmergencyServicesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program I	Prerequisites		
MTH63	Applied Algebra I	MTH60	Required for graduation; or higher-level math
RD90	College Reading	WR91	WR91 fulfills RD90/WR90
WR115	Introduction to Expository Writing	BT113	Required for graduation, or higher-level composition course
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
BI211	General Biology I <sup>2</sup>		Required prerequisite for BI231
BI211L	General Biology I Lab		Required prerequisite for BI231L
	Prerequisites - credits vary based on Placement Score(s): 11-17		

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Term 1	Check in with Advisor		
ES105	Introduction to Emergency Services		
ES131	Emergency Medical Technician Part I		
ES131L	Emergency Medical Technician Part I Lab		
AH100	Medical Terminology: Introduction		
BI231	Anatomy and Physiology I		
BIZ31L	Anatomy and Physiology I Lab		
	Term Credits: 17		
Term 2			
ES132	Emergency Medical Technician Part II		
ES132L	Emergency Medical Technician Part II Lab		
ES295	Health and Fitness for Emergency Service Workers	5 HPE295	
BI232	Anatomy and Physiology II		
BI232L	Anatomy and Physiology II Lab		
EMS165	Introduction to Pharmacology for Health Occupati	ons EMS160	or approved program elective
	Term Credits: 15		
Term 3			
BI233	Anatomy and Physiology III		
BI233L	Anatomy and Physiology III Lab		
ES171	Emergency Vehicle Operations		
ES205	Crisis Intervention and Management for Emerger	cy Services Workers	
ES268	Emergency Service Rescue		
COMM100	Basic Communication		or higher-level COMM
EMS160	Electrocardiogram (ECG) Interpretation	EMS165	or approved program elective
	Ierm Credits: 1/		
Approve	d Program Electives		
(0-4 program e	lective credits allowed in program)		
Course No.	Course Title		Credits
AH110	Medical Terminology: Clinical		3
DT102	Introduction to Cuponvision		2

	inourout for intervention of the second s	•
BT102	Introduction to Supervision	3
BT111	Conflict Management	2
EMS160	Electrocardiogram (ECG) Interpretation	2
EMS165	Introduction to Pharmacology for Health Occupations	2
ES280	Cooperative Work Experience/Emergency Services	1-4
FRP261	Hazardous Materials First Responder Operations	2
FRP285	Fire Instructor I	3
HS144	Introduction to Assertiveness	1
WR110	Understanding English Grammar	2
1 Approved Computer I	nformation Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years.	
2 BI211 is a prerequisite	to BI231; CHEM104 also highly recommended.	

For more information, contact the Emergency Services Department:
Phone
EmergencyServicesInfo@roguecc.edu
Web address
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 (<u>www.caahep.org</u>) 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for Paramedicine Associate of Applied Science are:

Perform a patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.

Demonstrate effective communication, cultural competency, and conflict management and intervention skills for people in crisis.

Implement self-care strategies and techniques to address the impact of stress and emotional trauma on emergency providers.

Demonstrate leadership, teamwork and decision making in the management of multiple personnel on emergency scenes.

Demonstrate workplace expectations regarding attendance, safety, conduct, and professionalism.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

This program requires an application and satisfaction of certain course admission criteria prior to enrolling in paramedic courses. Information is available on the Emergency Medical Services (EMS) Department website (<a href="http://www.roguecc.edu/EmergencyServices/EMS">www.roguecc.edu/EmergencyServices/EMS</a>) or at the Emergency Services (EMS) Department website (<a href="http://www.roguecc.edu/EmergencyServices/EMS">www.roguecc.edu/EmergencyServices/EMS</a>) or at the Emergency Services Department office located at the RCC Table Rock Campus. Students are strongly encouraged to meet with an Emergency Services 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 will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC 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 the equivalent of a "C" or better grade.

Students are strongly encouraged to meet with an Emergency Services Department advisor prior to beginning any coursework. This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

91-95

#### TOTAL PROGRAM CREDITS

Program Email Address: <u>EmergencyServicesInfo@roguecc.edu</u>

Course No.	Course Title Proroquisitos	Alternate Course	Comments
MTH63	Applied Algebra I	MTH60	Required for graduation; or higher-level math
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR115	Introduction to Expository Writing	BT113	Required for graduation; or higher-level composition course
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
BI211	General Biology I <sup>2</sup>		Required prerequisite for BI231
BI211L	General Biology I Lab		Required prerequisite for BI231L
	Prerequisites - credits vary based on Placement Score(s): 11-17		
Fall	Check in with Advisor		
ES105	Introduction to Emergency Services		
ES131	Emergency Medical Technician Part I		
ES1311	Emergency Medical Technician Part I Lab		

AH100	Medical Terminology: Introduction	n

- BI231 Anatomy and Physiology I
- BI231L Anatomy and Physiology I Lab

#### Term Credits: 17

Winter		
ES132	Emergency Medical Technician Part II	
ES132L	Emergency Medical Technician Part II Lab	
ES295	Health and Fitness for Emergency Service Workers	HPE295
BI232	Anatomy and Physiology II	
BI232L	Anatomy and Physiology II Lab	

#### Term Credits: 13

Spring	
BI233	Anatomy and Physiology III
BI233L	Anatomy and Physiology III Lab
ES171	Emergency Vehicle Operations
ES205	Crisis Intervention and Management for Emergency Services Workers
ES268	Emergency Service Rescue
COMM100	Basic Communication

or higher-level COMM course

#### **Term Credits: 15**

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 requirements will be in accordance with current statewide policies and procedures. Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, Anatomy & Physiology courses over 5 years old and EMS program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Fall	Check in with Advisor		
EMS271	Paramedic Part I		fall term only
EMS271L	Paramedic Lab Part I		fall term only
EMS281	Paramedic Clinical Practice I		fall term only
	Term Credits: 12		
Winter			
EMS272	Paramedic Part II		winter term only
EMS272L	Paramedic Part II Lab		winter term only
EMS282	Paramedic Clinical Practice II		winter term only
	Term Credits: 13		
Spring			
EMS273	Paramedic Part III		spring term only
EMS273L	Paramedic Lab Part III		spring term only
EMS283	Paramedic Clinical Practice III		spring term only
	Term Credits: 12		
Summer			
EMS284	Paramedic Clinical Practice IV		
EMS270	Paramedic Preparation	ES280	or approved program elective (credits vary)
	Term Credits: 9-12		
Approved (0-3 credits requ	d Program Electives		
Course No.	Course Title		Credits
AH110	Medical Terminology: Clinical		3
BT102	Introduction to Supervision		3
BT111	Conflict Management		2
ED120	Leadership I		1
ED121	Leadership II		1

FD122	Leadership III	1
		1
EMS160	Electrocardiogram (ECG) Interpretation	2
EMS165	Introduction to Pharmacology for Health Occupations	2
EMS270	Paramedic Preparation	3
EMS299	EMS Selected Topics	variable
ES280	Cooperative Work Experience/Emergency Services	1-3
FRP261	Hazardous Materials First Responder Operations	2
FRP285	Fire Instructor I	3
HS144	Introduction to Assertiveness	1
WR110	Understanding English Grammar	2

#### **Emergency Medical Service and Inservice Training**

Up to 16 credits may be applied to the Paramedicine AAS degree for students who have completed documented EMS education or specific pre-hospital care experience comparable to course content. See the Emergency Services Department chair for information.

1 Approved Computer Information Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years.

2 BI211 is a prerequisite to BI231; CHEM104 also highly recommended.

For more information, contact the Emergency Services Department:

Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

#### **FIRE SCIENCE**

### **Fire Science: Firefighter**

**Career Pathway 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Fire Science Firefighter Career Pathway Certificate are:

Perform safe and effective fire suppression techniques and hazard mitigation utilizing tools and appliances under high levels of stress.

Perform an adequate patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.

Demonstrate leadership, teamwork and decision making in the management of multiple personnel on emergency scenes.

Describe and use defensive and safe driving techniques and the operation of emergency vehicles and fire pumps.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process. 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 ES131 course. Students must be a high school graduate or have a GED or equivalent for certification. In addition, students will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC requirements.

#### **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 chair before being accepted toward core requirements.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificate. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

TOTAL PROG Program Email Ac	iRAM CREDITS Idress: <u>EmergencyServicesInfo@rogue</u>	<u>cc.edu</u>	39
Course No.	Course Title	Alternate Course	Comments
<b>Program P</b>	rerequisites		
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
	Prerequisites - credits vary based ( Placement Score(s): 0-8	Dn	
Term 1	Check in with Advisor		
FRP251	Firefighter Level I 1		
FRP251L	Firefighter Level I Lab <sup>1</sup>		
FRP250 FRP261	Hazardous Materials First Responder Ope	rations	
1111 201	Term Credits: 13		
Term 2			
ES131	EMT Part I		
ES131L	EMT Part I Lab		
FRP233	Firefighter Safety and Survival		
FRP252	Firefighter Level II		
	Term Credits: 13		
Term 3			
ES105	Introduction to Emergency Services		
ES132	EMI Part II		
ESTSZL FS295	Health and Fitness for Emergency Service	Workers HPE295	
20270	Term Credits: 13		
1 FRP251 taken pre	viously for 8 credits but without a separate lab is a	so acceptable	
For more information, co	intact the Fire Science Department:		
Phone	·····		
Email			<u>EmergencyServicesInfo@roguecc.edu</u>
Web address			www.roguecc.edu/emergencyservices
ΠΥ			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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Fire Science Associate of Applied Science are:

Perform an adequate patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies. Perform safe and effective fire suppression techniques and hazard mitigation utilizing tools and appliances under high levels of stress.

Describe and use defensive and safe driving techniques and the operation of emergency vehicles and fire pumps.

Demonstrate leadership, teamwork and decision making in the management of multiple personnel on emergency scenes.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

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 ES131 course. Students must be a high school graduate or have a GED <sup>®</sup> or equivalent for certification. In addition, students will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC requirements.

#### **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 chair before being accepted toward core requirements.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

90-93

#### TOTAL PROGRAM CREDITS

Program Email Address: <u>EmergencyServicesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prereguisites		
MTH20	Pre-algebra		or designated placement score
RD90	College Reading	WR91	or designated placement score; WR91 fulfills RD90/WR90
WR90	Fundamentals of Composition	WR91	or designated placement score; WR91 fulfills RD90/WR90
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-14		
Term 1	Check in with Advisor		
ES105 FRP251 FRP251L FRP256 FRP261	Introduction to Emergency Services Firefighter Level I <sup>2</sup> Firefighter Level I Lab <sup>2</sup> Fire Behavior and Combustion Hazardous Materials First Responder Operations		
	Term Credits: 17		
Term 2			
ES131 ES131L FRP233 FRP252 FRP262	EMT Part I EMT Part I Lab Firefighter Safety and Survival Firefighter Level II Fundamentals of Fire Prevention		
	Term Credits: 16		
Term 3			
WR115 ES132 ES132L	Introduction to Expository Writing EMT Part II EMT Part II Lab	BT113	or higher-level composition course
MTH63	Applied Algebra I	MTH60	or higher-level math
	Term Credits: 13		

Term 4	Check in with Advisor	
ES171	Emergency Vehicle Operations	
ES268	Emergency Service Rescue	
ES295	Health and Fitness for Emergency Service Workers HPE295	
FRP242	Introduction to Lodes and Ordinances	ar higher level COMM source
COMINITOO		of higher-level cowini course
	lerm Credits: 14	
Term 5		
FRP249	Fire Service Leadership	
	Fumper Operator 1	
FRF272 FRP273	Fixed systems and Eximpulsiters	
FRP211	Hiring Practices in the Fire Service	or approved program elective (credits vary)
	Term Credits: 15	
Term 6		
ES205	Crisis Intervention and Management for Emergency Services Workers	
ES280	CWE/Emergency Services <sup>3</sup>	
FRP259	Water Supply Operations	
FRP264	Building Construction for Fire Protection	
FRP274	Firefighting Strategy and Tactics	
	Term Credits: 15	
Approved	Program Electives	
(3-4 credits requ	ired)	
Course No.	Course Title	Credits
BT111	Conflict Management	2
ES280	Cooperative Work Experience / Emergency Services	variable
FRP199	Fire Science: Selected Topics	1-3
FRP211	Hiring Practices in the Fire Service	3
FRP285	Fire Instructor I	3
PS203	State and Local Government	4
1 Approved Comp	outer Information Science or Computer Science class, CIS120 or above, or documented comput	ter proficiency within the past ten years.
2 FRP251 taken pre	eviously for 8 credits but without a separate lab is also acceptable.	
3 Students with do	ocumented practicum experience need to complete electives to meet the minimum program to	ital requirements.
	unact the rife science bepartment.	541-956-7500
Email		EmergencyServicesInfo@roquecc.edu
Web address		www.roguecc.edu/emergencyservices
ΠΥ		Oregon Telecom Relay Service, 711

### HEALTH AND PHYSICAL EDUCATION

## 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 48 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Health and Physical Education Transfer to Southern Oregon University degree are:

Document a personal knowledge of demographic health changes and trends in chronic and acute diseases in the U.S. over the last 100 years. Describe the correlation between healthy living and the human body.

Describe the connections between emotional well-being and physical wellness.

Identify rules and strategies for physical activities to encourage lifelong physical engagement in the wellness activity.

Exhibit improvement in skills or body mechanics, and model correct functional movement.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### Advanced Standing

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements.

#### **Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Certain required courses are also graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

90-93

#### **TOTAL PROGRAM CREDITS**

Program email a	address: <u>HPERInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program I WR115 MTH96 CIS120	Prerequisites Introduction to Expository Writing Applied Algebra II Concepts in Computing I <sup>1</sup>	MTH95	or higher-level composition course or higher-level math Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall           HE131           LIB127           Bl211           Bl211L           HPE295           PE185PCW           HE253	Check in with Advisor Introduction to Exercise and Sport Science Introduction to Academic Research General Biology I General Biology I Lab Health and Fitness for Life Physical Conditioning - Weight Training Wilderness First Aid		or PE185 transfer elective or approved program elective (credits vary)
Winter WR121 HE252 MTH243 BI212 BI212L PE185CAC	English Composition I First Aid/CPR Probability and Statistics General Biology II 2 General Biology II Lab Core and Cardio		or any other science or non-science lower division transfer course or PE185 transfer elective
	Term Credits: 16		

Spring			
WR122	English Composition II	WR227	
HE259	Care and Prevention of Athletic Injury		
COMM225	Small Group Communication and Problem-solving	COMM111/COMM218	
NFM225	Nutrition		
PET85BPA			or PE185 transfer elective
	lerm Credits: 16		
Fall	Check in with Advisor		
BI231	Anatomy and Physiology I		
BI231L	Anatomy and Physiology I Lab		
PHL101	Philosophical Problems		or approved Humanities course (credits vary)
	Psychology of Human Relations	PSY119/SUC230	or approved Social Science course (credits vary)
PEIOSVVVI	and Strength Improvement		or PE185 transfer elective
HF250	Personal Health		
112200	Term Credits: 15		
Wintor			
RI232	Anatomy and Physiology II		
BI232	Anatomy and Physiology II Lab		
MUS108	Music in World Cultures		or approved elective
PHL102	Ethics	ART131	or approved Humanities transfer course
			(credits vary)
AH100	Medical Terminology: Introduction		
PE185WSA	Winter Survival and Snow Camping Adventure		or PE185 transfer elective
	Term Credits: 16		
Spring			
HE208	HIV and Infectious Diseases		
BI233	Anatomy and Physiology III		
BI233L	Anatomy and Physiology III Lab		
REL201	World Religions		or approved Humanities transfer course
			(credits vary)
	Lap Swimming Yoga Elew		or PE185 transfer elective
	10yd Flow Strass Management - Healthy Living	HE100	OF PETOS transfer elective
PE280	CWE/Physical Education		Department Chair approval needed
	Term Credits: 14		1 11
Ammrourd	Lumonition Electives		
Approvea	t three courses from the following list 10.12 credity	- )	
(Complete at leas	t three courses norm the following list, 10-12 creates	5.]	
Course No.	<b>Course Title</b>		Credits
ART131	Introduction to Drawing (Value)		3
AKIZU4,205,200	HISTORY OF ART 1, 11, 111	tion	4-4-4
ENG104	Introduction to Intercultural Communica	lion	4
ENG104 ENG105	Introduction to Literature (Drama)		4 4
ENG105	Introduction to Literature (Poetry)		ч Д
ENG107	World Literature: Ancient to Classical		4
ENG108	World Literature: Medieval to Renaissand	ce	4
ENG109	World Literature: Enlightenment to Mod	ern	4
ENG201,202	Shakespeare I, II		4-4
ENG204	Introduction to English Literature: Medie	eval to Renaissance	4
ENG205	Introduction to English Literature: 18th C	Century to Romantic	4
ENG206	Introduction to English Literature: Victori	an to Modern	4
ENG253	Survey of American Literature: Colonial		4
ENG254	Survey of American Literature: 19th Cent	ury	4
ENG255	Survey of American Literature: 20th Cent	ury	4
	Atrican American Literature		4
ENG275	The Rible as Literature		4
LINULIJ			4

HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
IS110	Introduction to International Studies	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

# Approved Social Science Electives (Complete at least one course from the following list, 3-4 credits.)

Course No.	Course Title	Credits
ANTH110	Introduction to Cultural Anthropology	4
ANTH150	Introduction to Archaeology	4
BA101	Introduction to Business	4
BA218	Personal Finance	3
CJ120	Introduction to the Judicial Process	4
CJ200/SOC244	Introduction to Criminology	4
CJ243/SOC243	Drugs, Crime and Addiction	4
COMM237	Communication and Gender	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG100	Introduction to Physical Geography	3
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
PS201	U. S. Government: Institutions and Policy	4
PS202	U. S. Government: Ideologies and Political Participation	4
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 the U.S.	4
SOC218	Sociology of Gender	4
SOC225	Social Problems and Solutions	4

SOC228 SOC230 SOC235/HST259	Environment and Society Introduction to Gerontology The Chicano/Latino Historical Experience	4 4 4
Approved Pro (Select 7 credits from a	gram Electives related field, not otherwise required within the base program or option area.)	
1 Approved Computer Int 2 BI212 (highly recomment For more information, contact th	ormation Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years. ded) or any other science or non-science lower division transfer course. e Health/PE/Recreation Department:	

Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

# Outdoor Adventure Leadership Transfer to Southern Oregon University

Associate of Science Degree

#### About the Program

The Associate of Science (AS) degree is based on a signed articulation agreement with Southern Oregon University (SOU). The program is designed for students transferring to SOU's bachelor's degree program in outdoor adventure leadership. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 38-47 core credits within the major area. By completing all appropriate credits (including electives), students will fulfill required lower division coursework for transfer to SOU. Students should be aware, however, that if they transfer before completing this degree, their courses will be evaluated individually toward the transfer requirements of the college of their choice.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Outdoor Adventure Leadership Transfer to Southern Oregon University degree are:

Document a personal knowledge of demographic health changes and trends in chronic and acute diseases in the U.S. over the last 100 years.

Demonstrate responsible wilderness ethics as defined by current industry trends.

Demonstrate excellence in technical skills with competence in safety and industry standards.

Demonstrate expertise in logistics and expedition planning.

Facilitate a quality program through the use of effective communication, appropriate relationships, and compassionate leadership.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements.

#### **Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Certain required courses are also graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world lan-

#### guage requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

<b>TOTAL PRO</b>	GRAM CREDITS		90-92
Course No.	Course Title	Alternate Course	Comments
Program I	Prerequisites		
WR115 MTH96 CIS120	Introduction to Expository Writing Applied Algebra II Concepts in Computing I <sup>1</sup>	MTH95	or higher-level composition course or higher-level math Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
HE131 WR121 HPE295 G101	Introduction to Exercise and Sport Science English Composition I Health and Fitness for Life Introduction to Geology I (Tectonics)		fall term only or approved Science transfer course (credits vary)
G101L PE185KSA	Introduction to Geology I (Tectonics) Lab Kayaking the Sea Coast Adventure	PE185SUA	or approved Water PF185 course F/W/Sp
	Term Credits: 15		
Winter			
HE253 WR122	Wilderness First Aid English Composition II	WR227	
MTH243 PE185WSA	Probability and Statistics w/ lab Winter Survival and Snow Camping Adventure	PE185SSS	or approved Land
G102	Introduction to Geology II (Surface Process)		or approved Science Lab transfer course (credits vary)
G102L	Introduction to Geology II (Surface Process) Lab		
	Term Credits: 16		
Spring			
HE259 COMM225 REL201 PE185 PDV	Care and Prevention of Athletic Injury Small Group Communication and Problem Solving World Religions	COMM111/COMM218 REL243	or approved Humanities transfer course
ENV111	Introduction to Environmental Science	GEOG110/GEOG120	or GEOG110 or GEOG120 if not taken as a Social Science course
	Term Credits: 15		
Fall	Check in with Advisor		
LIB127 NFM225 041150	Introduction to Academic Research Nutrition Outdoor Living Skills		fall term only
PHL101 SPAN101	Philosophical Problems First Year Spanish I	ENG275/MUS105	or approved Humanities transfer course (credits vary) or program elective course
PE185SUA	Surfing Adventure		or approved Water PE185 course F/W/Sp
	Term Credits: 16		
Winter			
OAL250 PHL102	Foundations of Outdoor Adventure and Leadership Ethics	HUM101/ENG107	or approved Humanities
SOC228	Environment and Society		or approved Social Science transfer course (credits vary)

PE185MTA	Mountaineering Adventure	PE185SSS	or approved Land PE185 course
SPAN102	First Year Spanish II		F/W/Sp or program elective course applied toward total of 5-15
	Term Credits: 16		
Spring			
BI100SB PE185RCB	Biology of Human Body Systems Beginning Rock Climbing	PE185BPA	or approved Science Lab course (credits vary) or approved Land
SPAN103	First Year Spanish III		or program elective course applied toward total of 5-15
OAL223 SOC230	Wilderness Navigation Introduction to Gerontology		spring term only or approved Social Science
	Town Cueditor 14		transfer course (credits vary)
	lerm Credits: 14		
Summer Optiona	<b>Optional Electives</b> al Electives: PE185RRV Rafting the River, Pl	E185BAP Backpacking, PE185RCA	A Rock Climbing Adventure
Land (choose a	minimum of three classes from the f	ollowing list):	
PE185BMT	Mountain Biking		1
PE185BPA	Backpacking Adventure		1
PE185CRD	Road Cycling		1
PE185HOA	Hiking Oregon Adventure		1
PE185MTA	Mountaineering Adventure		1
PE185RCA	Rock Climbing Adventure		1
PE185RCB	Rock Climbing Beginning		1
PE185SSS	Snow Skiing/Snowboarding		1
PE185WSA	Winter Survival and Snow Car	nping Adventure	1
PE1852LG	Zipline Guide lechnical Skills		1
Water (choose	a minimum of three classes from the	following list):	
PE185RRV	River Rafting Adventure		1
PE185SUA	Surfing Adventure		1
PE185SKSA	Kayaking the Sea Coast Adven	ture	1
PE185KWW	Kayaking Whitewater		1
PE291	Red Cross Life Guard Training		2
Approved (Complete at lease	Humanities Electives t three courses from the following list, 9-12 cr	redits.)	
Course No			Credite
ADT121	Lourse Intre		
ART20/ 205 206	History of Art LIL III		5 1_1_1
COMM115	Instory of Art 1, 11, 11 Introduction to Intercultural Co	ammunication	4-4-4 1
ENG104	Introduction to Intercutural C	ion)	<del>,</del> Δ
ENG105	Introduction to Literature (Dra	ma)	4
ENG106	Introduction to Literature (Poe	trv)	4
ENG107	World Literature: Ancient to Cl	assical	4
ENG108	World Literature: Medieval to	Renaissance	4
ENG109	World Literature: Enlightenme	ent to Modern	4
ENG201,202	Shakespeare I, II		4-4
ENG204	Introduction to English Literate	ure: Medieval to Renaissance	4
ENG205	Introduction to English Literati	ure: 18th Century to Romantic	4
ENG206	Introduction to English Literati	ure: Victorian to Modern	4
ENG253	Survey of American Literature:	Colonial	4
ENG254	Survey of American Literature:	19th Century	4
ENG255	Survey of American Literature:	20th Century	4
ENG25/	African American Literature		4
ENG260	Introduction to Women Writer	S	4
ENG2/5	Ine Bible as Literature		4
HUM101	Introduction to Humanities: Cl	lassical to Medieval	4
HUM102	Introduction to Humanities: Re	enaissance to Enlightenment	4

HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
IS110	Introduction to International Studies	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

# Approved Social Science Electives (Complete at least two courses from the following list, 6-8 credits.)

Course No.	Course Title	Credits
ANTH110	Introduction to Cultural Anthropology	4
ANTH150	Introduction to Archaeology	4
BA101	Introduction to Business	4
BA218	Personal Finance	3
CJ120	Introduction to the Judicial Process	4
CJ200/SOC244	Introduction to Criminology	4
CJ243/SOC243	Drugs, Crime and Addiction	4
COMM237	Communication and Gender	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG100	Introduction to Physical Geography	3
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
PS201	U. S. Government: Institutions and Policy	4
PS202	U. S. Government: Ideologies and Political Participation	4
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 the U.S.	4
SOC218	Sociology of Gender	4
SOC225	Social Problems and Solutions	4

SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC235/HST259	The Chicano/Latino Historical Experience	4

Approved Science Electives (Complete at least three courses, two of which must have labs, from the following list, 11-15 credits. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CHEM221,222,223	General Chemistry I, II, III w/lab and Recitation	5-5-5
CIS195	Web Authoring I (non-lab course)	4
ENV111	Introduction to Environmental Science (non-lab course)	3
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies w/lab	4
PH201,202,203	General Physics I, II, III w/lab and Recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and Recitation	5-5-5

## **Approved Program Electives** (complete 5-15 credits for a total of 90 program credits)

(		
Course No.	Course Title	Credits
HE199	Special Studies in Health	1-3
HE208	HIV and Other Epidemics	1
HE250	Personal Health	3
HE252	First Aid/CPR	3
PE184	Adaptive Physical Education	1
PE185	Any physical education course not required within core requirements	variable
PE199	Special Studies in Physical Education	1-3
PE280	CWE/Physical Education	2
	Any lower division transfer course not already required	variable
1 Approved Computer	Information Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years.	
For more information, conta	t the Health/PE/Recreation Department:	
Phone	······	
Email		<u>HPERInfo@roguecc.edu</u>
Web address		www.roguecc.edu/HPER
ΠΥ	Orego	on Telecom Relay Service, 711

#### MASSAGE THERAPY

## Massage Therapy: Entry-level Therapist

**Career Pathway Certificate** 

#### Fall 2023 Program Admission

#### About the Program

The Entry-level Massage Therapist three-term career pathways certificate meets the requirements for licensure application to the Oregon Board of Massage Therapists and the Federation of State Massage Therapy Board's Licensing Examination and National Certification Board for Therapeutic Massage and Bodywork (NCBTMB) certification. 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Massage Therapy Career Pathway Certificate are:

Demonstrate professional communications, regulations, laws and ethics.

Classify, describe and apply treatments.

Locate, identify and describe the function of the body systems.

Recognize pathologic conditions and determine appropriate treatment.

Assess, create, implement and document individualized treatment plans.

Develop and implement a personalized career plan.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Massage Therapy is a limited-entry program. Interested applicants must attend a mandatory massage therapy information meeting. The timeline for submitting program application materials for fall 2023 admission is April 1 to June 24, 2023. Applicants will be accepted on a first-come, first-served basis once prerequisites are completed. It is recommended that students receive influenza, varicella-zoster, rubella, Hepatitis A, Hepatitis B, and COVID 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 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.

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

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>MassageTherapyInfo@roguecc.edu</u>

**Course Title** Course No. **Alternate Course** Comments **Program Prerequisites** CG100 College Success and Survival or transcript showing at least 30 college credits within any academic year and at least a 2.0 cumulative GPA or designated placement score MTH20 Pre-algebra or higher-level math RD90 College Reading WR91 fulfills RD90/WR90 WR90 Fundamentals of Composition WR91 fulfills RD90/WR90

#### 44

#### Prerequisites - credits vary based on Placement Score(s): 2-14

#### Recommended preparatory course:

Medical Terminology: Introduction AH100

\*\*View the massage therapy information video at

https://go.roguecc.edu/department/massage-therapy/massage-therapy and complete the quiz.

#### Fall Check in with Advisor

BI121	Elementary Anatomy & Physiology I		summer/fall terms only
BI121L	Elementary Anatomy and Physiology I Lab		summer/fall terms only
MT100	Massage I - Basic Swedish		fall term only
MT100L	Massage I - Basic Swedish Lab		fall term only
MT101	Asian Bodywork I		fall term only
MT101L	Asian Bodywork I Lab		fall term only
MT108	Kinesiology for Massage Therapists		fall term only
MT108L	Kinesiology for Massage Therapists Lab		fall term only
MT115	Trigger Point Therapy	MT114	Only 2 program electives allowed. Electives for fall - MT115/L & MT114/L
MT115L	Trigger Point Therapy Lab		

#### Term Credits: 15

Winter

winter		
BI122	Elementary Anatomy & Physiology II	BI122/L is offered fall/winter term only
BI122L	Elementary Anatomy and Physiology II Lab	fall/winter term only
MT102	Massage II - Swedish	winter term only
MT102L	Massage II - Swedish Lab	winter term only
MT105	Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients	winter term only
MT105L	Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients Lab	winter term only
MT106	Integrated Studies in Massage I (Upper Body)	winter term only
MT106L	Integrated Studies in Massage I Lab	winter term only
MT109	Pathology for Massage Therapists	winter term only
MT121	Asian Bodywork II	winter/spring term only
MT121L	Asian Bodywork II Lab	winter/spring term only
	·	Only 2 program electives allowed.

#### Term Credits: 17

Spring		
MT103	Massage III - Swedish	spring term on
MT103L	Massage III - Swedish Lab	spring term on
MT107	Integrated Studies in Massage II (Lower Body)	spring term on
MT107L	Integrated Studies in Massage II Lab	spring term on
MT116	Massage Exam Review	spring term on
MT120A	Business for Massage Therapists (Part A)	spring term on
MT120B	Business for Massage Therapists (Part B)	spring term on
MT180	Cooperative Work Experience/Massage Therapy	additional credits are electiv
MT180S	Cooperative Work Experience/Massage Seminar	must be taken with MT18
HE261	CPR/Basic Life Support Provider	Only 2 program electives allowe
		Options for spring - MT112/L, MT113/L, MT118

#### Term Credits: 12

# Approved Program Electives (2 credits required)

Course No.	Course Title
MT111, MT111L	Sport Massage
MT112, MT112L	Massage for Pregnancy and Infant/Child
MT113, MT113L	Myofascial Release
MT114	Massage Therapy Study Skills Lab
MT115, MT115L	Trigger Point Therapy
MT117, MT117L	Body Maintenance for Massage Therapists
MT118, MT118L	Deep Tissue Massage

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Option for winter MT111/L

Credits
2
2
2
1
2
2
2

MT119, MT119L	Introduction to Craniosacral Therapy	2
MT180	Cooperative Work Experience/Massage	variable
MT199	Selected Topics: Massage	variable
For more information, contact the N	Aassage Therapy Department.	
Phone		
Email		<u>MassageTherapyInfo@roguecc.edu</u>
Website		
ΠΥ		Oregon Telecom Relay Service, 711

## Massage Therapy

**Certificate of Completion** 

#### Fall 2023 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 licensure application to the Oregon Board of Massage Therapists, the Federation of State Massage Therapy Board's Licensing Examination and National Certification Board for Therapeutic Massage and Bodywork (NCBTMB) certification. 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Massage Therapy Certificate of Completion are:

Demonstrate professional communications, regulations, laws and ethics.

Classify, describe and apply treatments.

Locate, identify and describe the function of the body systems.

Recognize pathologic conditions and determine appropriate treatment.

Assess, create, implement and document individualized treatment plans.

Develop and implement a personalized career plan.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Massage Therapy is a limited-entry program. Interested applicants must view the massage therapy information video and complete the quiz. (https://go.roguecc.edu/department/massage-therapy/massage-therapy) The timeline for submitting program application materials for fall 2023 admission is April 1-June 24, 2023. Applicants will be accepted on a first-come, first-served basis once prerequisites are completed. It is recommended that students receive influenza, varicella-zoster, rubella, Hepatitis A, Hepatitis B, and COVID 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 must attend a mandatory orientation prior to the beginning of fall term.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Massage Therapy Department Chair's approval. Sealed official transcripts and a transfer credit evaluation request must be submitted to RCC's Enrollment Services Office by May 1 to be considered in the application process. The transfer credit evaluation request may only be submitted online.

#### **Graduation Requirements**

Students completing all credits in this program with a grade of "C" or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Credits earned in this program can be applied to the Associate of General Studies degree.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>MassageTherapyInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
View massage	e therapy information video at		
https://go.rog	uecc.edu/department/massage-therapy/massage-th	erapy and complete the quiz.	
CG100	College Success and Survival		or transcript showing at least 30 college credits
			within any academic year and at
MTH60	Fundamentals of Algebra I	MTH63/BT160	Required for graduation.
	·		Or higher-level math
PSY101	Psychology of Human Relations <sup>1</sup>	BT101	Required for graduation
WR115	Introduction to Expository Writing	BT113	Required for graduation.
			of higher-level composition
	Prerequisites credits vary based on		
	Placement Score(s): 10-13		
Recommend	ed Preparatory Courses:		
АП 100 RI211	General Biology L 2		
BI211L	General Biology Lab <sup>2</sup>		
**Apply to the	e Massage Program at		
https://go.rog	uecc.edu/department/massage-therapy/massage-th	erapy/application-process	
between April	1 and June 24 for Fall entry.		
Fall	Check in with Advisor		
BI121	Elementary Anatomy & Physiology I	BI231	summer/fall term only
BI121L	Elementary Anatomy and Physiology I Lab	BI231L	summer/fall term only
MT100	Massage I - Basic Swedish		fall term only
MT100L	Massage I - Basic Swedish Lab		fall term only
MITOT MT101	Asian Bodywork I		fall term only
MT101L	Asian Douywork i Lab Kinesiology for Massage Therapists		fall term only
MT108	Kinesiology for Massage Therapists Lab		fall term only
MT115	Trigger Point Therapy	MT114	Only 6 program electives allowed.
			Options for fall - MT115/L & MT114/L
MT115L	Trigger Point Therapy Lab		
CI3120			Required for graduation
	Term Credits: 17		
Winter			
BI122	Elementary Anatomy & Physiology II	BI232 & BI233	BI122/L is offered
RI122I	Elementary Anatomy and Physiology II Lab	BI232I & BI233I	fall/winter term only
MT102	Massage II - Swedish	DIZUZE & DIZUZE	winter term only
MT102L	Massage II - Swedish Lab		winter term only
MT105	Massage Therapeutics: Hydrotherapy and Massa	ge for Cancer Patients	winter term only
MT105L	Massage Therapeutics: Hydrotherapy and Massa	ge for Cancer Patients Lab	winter term only
MT106	Integrated Studies in Massage I (Upper Body)		winter term only
MT106L	Integrated Studies in Massage I Lab		winter term only
MT109	Pathology for Massage Therapists		winter term only
MI121	Asian Bodywork II		winter/spring term only
	Asian Bodywork II Lab Sports Massage		Winter/spring term only
	Sports Massage		Only o program electives allowed. Option for winter MT111/L
MT111L	Sport Massage Lab		
	Term Credits: 19		
Spring	Check in with Advisor		
MT103	Massage IIISwedish		spring term only
MT103L	Massage III - Swedish Lab		spring term only
MT107	Integrated Studies in Massage II (Lower Body)		spring term only
MT107L	Integrated Studies in Massage II (Lower Body) La	ab	spring term only
MT116	Massage Exam Review		spring term only
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MT120A MT120B MT180 MT180S MT112	Business for Massage Therapists (Part A) Business for Massage Therapists (Part B) CWE/Massage Therapy Cooperative Work Experience/Massage Seminar Massage for Pregnancy and the Infant/ Child		spring term only spring term only additional credits are elective must be taken with MT180 Only 6 program electives allowed. Ontions for spring
MT112L HE261	Massage for Pregnancy and the Infant/ Child Lab CPR/Basic Life Support Provider	HE252	Options for spring - with 12/L, with 13/L, with 16/L
	Term Credits: 14		
Summer Opt	tional		
MTELEC	Massage Therapy Elective		Only 6 program electives allowed. Elective options for summer-

MT117/L, MT119/L (2 credit courses)

#### **Approved Program Electives**

(6 credits required)

Course No.	Course Title	Credits
BA109	Ready, Set, Work: Techniques for Landing a Job	2
BT250	Entrepreneurship	3
MT111, MT111L	Sport Massage	2
MT112, MT112L	Massage for Pregnancy and Infant/Child	2
MT113, MT113L	Myofascial Release	2
MT114	Massage Therapy Study Skills Lab	1
MT115, MT115L	Trigger Point Therapy	2
MT117, MT117L	Body Maintenance for Massage Therapists	2
MT118, MT118L	Deep Tissue Massage	2
MT119, MT119L	Introduction to Craniosacral Therapy	2
MT180	Cooperative Work Experience/Massage	variable
MT199	Selected Topics: Massage	variable
1 Students who have succ	cessfully completed the 3-credit version of BT113 will have met the writing requirement.	
2 BI211 is a prerequisite f	for BI231. If BI231 is taken, students must also complete BI232 and BI233	

3 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

For more information, contact the Massage Therapy Department.	
Phone	
Email	<u>MassageTherapyInfo@roguecc.edu</u>
Website	
ΠΥ	Oregon Telecom Relay Service, 711

### NURSING

## **Practical Nursing**

**Certificate of Completion** 

#### 2023 Year

#### About the Program

Rogue Community College offers a limited-entry, three-term (33 week) program leading to a certificate in Practical Nursing (PN), which meets the educational requirements for the national exam for PN licensure (NCLEX-PN). The program is located at the Table Rock Campus (TRC). 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Practical Nursing Certificate of Completion are:

Demonstrate a personal commitment to service and the profession of nursing.

Demonstrate ethical and legal behavior in nursing practice.

Demonstrate clinical judgment using knowledge and problem-solving skills when contributing to and implementing the plan of care.

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Provide culturally sensitive care across the lifespan.

Apply established principles of health promotion and preventive health care.

Use technological resources effectively and appropriately.

Provide clinically competent care through use of established standards and practice guidelines.

Use clear and effective therapeutic communication with clients, families, members of the healthcare team, and others.

Apply concepts of resource utilization to practice cost-effective nursing care.

Functions as a member of the health care team.

Manage and coordinate care within organizational and regulatory constraints.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 level as determined through the Placement Process.

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 annually, for winter term admission.

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 a college where anatomy and physiology courses were completed, if applicant is new to RCC) and be in good standing (not on academic warning or probation) at RCC to be eligible.

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 as far in advance of the application deadline as possible.

Accepted students must attend mandatory program orientations the last two Friday mornings of fall term prior to the beginning of Practical Nursing courses in winter term. A notice of dates, times, and place of the orientations will be emailed to accepted students. Accepted applicants (notification occurs by mid-November) must have proof of a valid unencumbered OSBN CNA certification current through November 1 annually 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. Since applicants are or will be CNAs, failed criminal history checks or urine drug screens will be reported to the OSBN. Accepted students must successfully complete a CPR Health Care Provider course (adult/infant/child, one- and two-person, with AED; online courses are not accepted) within one year prior to the September application deadline (and must remain current throughout program). The CPR course must comply with the American Heart Association standards.

CNA work experience is recommended before application but not required. Practical nursing faculty will evaluate the CNA skills of all students admitted to PN101. More information is available by clicking on "enter here" on the program website at <u>www.roguecc.edu/nursing/practicalnursing</u>.

#### **Graduation Requirements**

These requirements apply only to students admitted to the Practical Nursing Certificate program courses in January 2023. Students contemplating admission in a later year may have different requirements and must obtain the graduation guide for that year. Successful completion means that students must complete all courses in this program with a grade of "C" or better to continue in and complete the program and receive a certificate. Accepted PN students will forfeit their acceptance unless a complete anatomy and physiology sequence and all other required preparatory courses have been successfully completed, and the criminal history background check and urine drug screen have been passed prior to the start of PN101 in January.

The OSBN screens all applicants for licensure and may deny licensure to applicants with a criminal offense or with a major physical or mental condition that could affect their ability to practice nursing safely. 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 (inclusive of skills lab) courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### 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 <sup>2</sup>	4
PSY101	Psychology of Human Relations <sup>2</sup>	3
WR115	Introduction to Expository Writing (or designated placement score	
	or completion of WR121)	0-3

5.400	CNA-1(OSBN-approved CNA-1 course with completion certificate; course proof waived for students with copy of current OSBN CNA-1 certification attached to application) <sup>3</sup>	_
TOTAL PREREC	DUISITE CREDITS	11-14
<b>Required Pro</b>	eparatory Courses	
Course No. BI122/	Course Title Elementary Anatomy and Physiology II with lab or	Credits
BI122L	BI233 Human Anatomy and Physiology III within the last seven years if student completed BI231 and BI232 as prerequisites <sup>1</sup> CPR Health Care Provider course (HE261 or other AHA or ARC	4
CIS/CS	adult/infant/child, one- and two-person course with AED) completed later than September one year before application deadline Approved Computer Information Science or Computer	0-1
N/D404	Science course, CIS120/CS120 or above, or documented computer proficiency within the past ten years	0-2
WR121		4 0 1 1
Do mulico d		0-11
Required Co	ourses	
Course No.	Course Title	Credits
Winter (First) Term	) Den stiert Number I	0
PN101 PN101C	Practical Nursing I Practical Nursing I Clinical	8 <u>4</u> 12
Spring (Second) Te	rm	
PN102	Practical Nursing II	8
PN102C	Practical Nursing II Clinical	4
AH100	Medical lerminology: Introduction or approved program elective	<u>0-3</u> 12-15
Summer (Third) Te	rm	
PN103	Practical Nursing III	8
PN103C	Practical Nursing III Clinical	4
PN104C	Practical Nursing Leadership Clinical (post-summer session)	<u>2</u> 14
TOTAL PROGR	AM AND PREPARATORY CREDITS	46-52
Approved P	rogram Electives	
Course No	Course Title	Credits
AH100	Medical Terminology: Introduction	3
CG100	College Success and Survival	2
EMS165	Introduction to Pharmacology for Health Occupations	2
HE/PE	Health or Physical Education courses	1-3
RD115	Speedreading for College	3
RD120	Critical Reading and Thinking	3
WR110	Understanding English Grammar	2
1 Virtual labs are not ac courses. Note: due to the	ccepted; see end of this footnote. Remote or distance labs not conducted in the physical presence of an instructor are a e COVID pandemic, lab courses taken online during 2020-2022 will be accepted.	lso not accepted for lab science
2 Required for graduati	ion.	
3 Accepted students wi year of application in orc	ill be required to provide the program secretary with proof of current unencumbered CNA certification in Oregon valid Ier to retain accep¬tance and be admitted to the first practical nursing course the following winter term.	through at least November 1 in the
4 WR121, 3 credits, cor	npleted before summer of 2009 is also acceptable.	

5 Students must register for PN104C (summer session) at the same time they register for PN103 and PN103C. PN103, 103C and 104C are in a new academic/financial aid year. For more information, contact the Nursing Department:

j	
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711
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## **Nursing** Associate of Applied Science Degree

### Fall Term 2023 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 eleven community colleges 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 RCC Nursing program is a full-time commitment to two (2) years of nursing courses (after completing one (1) year of pre-requisite/ preparatory course work of 45 credits minimum and application to the limited-entry program.) Applicants admitted to the RCC Nursing program are co-admitted to the OHSU Nursing programs, and once students complete their Associate Degree in the Nursing program at RCC, the OCNE curriculum provides entry to OHSU's Nursing program. Continued full-time study for four (4) more terms leads to a Bachelor of Science degree in Nursing.

Graduates of the Rogue Community College Nursing program are eligible to sit for the NCLEX-RN licensure testing. Students who choose to complete their BSN through the OHSU School of Nursing program must complete an additional 15 credits of upper-division college credits in order to progress into nursing courses for the bachelor's degree through OHSU. RCC's Statistics course will apply, but all other upper-level courses must be taken at a college or university with 300+ level courses.

Options available for baccalaureate completion can be found at

#### https://www.ohsu.edu/school-of-nursing

The Nursing program is approved by the Oregon State Board of Nursing (17938 SW Upper Boones Ferry Rd., Portland, OR, 971-673-0685, <a href="http://www.oregon.gov/OSBN">www.oregon.gov/OSBN</a>).

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Ten collaboratively created OCNE competencies drive the curriculum. Program learning outcomes for the Nursing Associate of Applied Science are:

Base personal and professional actions on a set of shared core nursing values, including social justice, caring, advocacy, protection of patient autonomy, prevention of harm, respect for self and others, collegiality, authority, accountability, responsibility for nursing practice and ethical behavior.

Use reflection, self-analysis, and self-care to develop insight through reflection, self-analysis, and self-care.

Engage in intentional learning, developing self-awareness of the goals, processes, and potential actions of this learning and its effects on patient/client care.

Demonstrate leadership in nursing and health care to meet patient/client needs, improve the health care system, and facilitate community problem solving.

Collaborate as part of a health care team, providing, receiving, and using feedback in a constructive manner.

Practice within, utilize, and contribute to all health care systems.

Practice a relationship-centered approach, based on developing mutual trust and respect for the autonomy of the patient/client.

Communicate effectively, accurately and therapeutically, with attention to social and cultural influences, and use appropriate communication modalities and technologies to ensure patient safety and provide for comprehensive continuity of care.

Make sound clinical judgments through an iterative process of noticing, interpreting, responding and reflecting, use best available evidence, frameworks and systems to organize data and knowledge; accurately perform cognitive, affective and psychomotor skills in the delivery of care while maintaining safety of the patient/client, family, community, environment, and self.

Locate, evaluate, and use the best available evidence.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 level as determined through the Placement Process. Students who have failed any two nursing courses (RN level, any program) are disqualified from applying for entry or re-entry to the RCC Nursing Program.

Program admission occurs once per year. **Deadline for submitting program application material is February 15 annually for fall term 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 (C- grades are not accepted). 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 processe.

If an applicant has taken an equivalent course elsewhere which has a course number, title, or credit hour different from the RCC course, the applicant must contact RCC's Enrollment Services office for a transfer credit evaluation as far in advance of the application deadline as possible. To be admitted into nursing courses students must complete all required prerequisite and preparatory courses (minimum 45 credits) and be accepted into the Nursing program.

Accepted students must pass a criminal history background check and urine drug screen prior to nursing clinical experiences or their acceptance will be rescinded. Information regarding the background check and drug screen requirements can be found on the program's website with additional information and deadlines provided to students following acceptance and before fall nursing classes begin. Accepted students will also be required to complete by a specified deadline a CPR Health Care Provider course (adult/child/infant, one- and two-person, with AED, course must have been successfully completed within two years prior to admission to nursing courses. Information regarding required immunizations will be provided in the acceptance letter.

Internet and email access is an integral part of all nursing courses and access to a computer (at home or at the college) will be required on a daily basis. Nursing students attend classes at the Table Rock Campus in White City. For the clinical practicum in both Josephine and Jackson Counties, the student 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

2022-2023 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 quide or catalog for that year. If required courses (i.e., clinicals) are graded only on a pass/no pass basis, a grade of "P" for these courses indicate a student earned the equivalent of a "C" or better grade.

Students must complete all courses on this graduation guide with a grade of "C" or better to continue in and complete the program, receive their degrees, and meet the educational requirements to apply to take the national licensure exam (NCLEX-RN). The OSBN screens all applicants for licensure and may deny licensure applicants with a criminal offense or with a major physical or mental condition that could affect their ability to practice nursing safely. Contact the OSBN with any questions.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation.

Please consult an advisor with any program completion guestions.

Course No.	Course Title	Credits
Fall Prerequisites/	Required Preparatory Courses	
CIS120	Concepts in Computing I <sup>1</sup>	0-2
WR121	English Composition I <sup>2</sup>	4
BI211	General Biology I <sup>3</sup>	3
BI211L	General Biology I Lab <sup>3</sup>	1
MTH95	Intermediate Algebra <sup>4</sup>	4
	Total Credits: 12-14	
Winter Prerequisit	tes/Required Preparatory Courses	
WR122	English Composition II <sup>2</sup>	4
BI231	Anatomy and Physiology I <sup>3</sup>	3
BI231L	Anatomy and Physiology I Lab <sup>3</sup>	1
PSY201	General Psychology I	4
	Total Credits: 12	
<b>Spring Prerequisit</b>	tes/Required Preparatory Courses	
BI232	Anatomy and Physiology II <sup>3</sup>	3
BI232L	Anatomy and Physiology II Lab <sup>3</sup>	1
NFM225	Nutrition	4
PSY215	Lifespan Human Development	4
	Total Credits: 12	
Fall Prerequisites/	Required Preparatory Courses	
BI233	Anatomy and Physiology III <sup>3</sup>	3
BI233L	Anatomy and Physiology III Lab <sup>3</sup>	1
BI234	Microbiology <sup>3</sup>	3
BI234L	Microbiology Lab <sup>3</sup>	1
	Total Cradita 0	

#### Total Credits: 8

30 Prerequisite/ Required Preparatory Credits to be Eligible to Apply

#### Application deadline is February 15 annually for fall term admission

Any college-level (100 or 200 numbered) transferable

non-studio humanities, social science or science elective <sup>4</sup>

Remaining Prerequisite/Preparatory Credits (15-17) to be completed before admission to Nursing courses: 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.

#### Minimum Number of Prerequisite Credits Required <sup>5</sup>

See Nursing website for application materials: www.roguecc.edu/landing/nursing.asp

#### First Year Nursing Course Requirements <sup>6</sup>

Course No.	Course Title	Credits
Fall Term		
NRS110	Foundations of Nursing – Health Promotion	4
NRS110C	Foundations of Nursing – Health Promotion	5
	Any college-level (100 or 200 numbered) transferable social science elective <sup>7</sup>	<u>3</u>
Winter Term		12
NRS111	Foundations of Nursing in Chronic Illness	2
NRS111C	Foundations of Nursing in Chronic Illness Clinical	4
NRS230	Clinical Pharmacology I	3
NRS232	Pathophysiological Processes I	3
		12
Spring Term		
NRS112	Foundations of Nursing in Acute Care I	2
NRS112C	Foundations of Nursing in Acute Care I Clinical	4
NRS231	Clinical Pharmacology II	3
NRS233	Pathophysiological Processes II	<u>3</u>
		12
Spring Term (LPN ]	Fransition Only)	
NRS115	LPN Transition to OCNE (only for accepted advanced placed LPNs) <sup>8</sup>	(4)
NRS115C	LPN Transition to OCNE Clinical	(2)
Second Year	Nursing Course Requirements	
Course No.	Course Title	Credits
Fall Term		
NRS221	Nursing in Chronic Illness II and End-of-Life	5
NRS221C	Nursing in Chronic Illness II and End-of-Life Clinical	4
	Any college-level (100 or 200 numbered) transferable	
	non-studio humanities, social science or science electives <sup>7</sup>	<u>3</u>
		12
Winter Term		
NRS222	Nursing in Acute Care II and End-of-Life	5
NRS222C	Nursing in Acute Care II and End-of-Life Clinical	4
	Any college-level (100 or 200 numbered) transferable	
	non-studio humanities, social science or science electives <sup>7</sup>	<u>3</u>
		12
Spring Term		
NRS224	Integrative Practicum	2
NRS224C	Integrative Practicum Clinical	7
	Any college-level (100 or 200 numbered) transferable	
	non-studio humanities, social science or science electives	-
	(credits as needed to meet 90 credits) $r_{r}$	3
		12

#### TOTAL PROGRAM CREDITS BEYOND 30 PREREQUISITE CREDITS

1 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 by end of summer term in the year of application to enroll in nursing courses, if accepted.

2 Students who have not completed a writing series inclusive of research writing or not completed a bachelor's degree from an accredited English-speaking college or university, recognized by the United States Department of Education, 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.

0-6

45

90-91

3 Virtual labs are not accepted; see note at end of this footnote. Remote or distance labs not conducted in the physical presence of an instructor are also not accepted for lab science courses; see note at end of this footnote. No extension beyond the seven-year time limit extension will be granted for anatomy and physiology courses. An acceptable genetics course may replace BI211 only if the student has already completed the required anatomy and physiology and microbiology courses. Note: due to the COVID pandemic, lab courses taken online during 2020-22 will be accepted.

4 Electives may be required in prerequisites and applied in order to reach the minimum 45 prerequisite credits. As needed electives may be required if students completed NFM225, PSY201 or PSY202, PSY215, WR121 and WR122, at 3 credits each, which are acceptable. If WR122 was completed as a 3-credit course, then an additional research writing course must be taken to fulfill the requirements of the writing series. WR122 may be taken again at 4 credits or students may take WR227 to fulfill the research writing requirement of the writing series. If Life Span Human Development is completed prior to the application deadline, any previously completed transferable 3-4 credit social science course can replace PSY201.

5 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 15-19 prerequisite credits for eligibility may be from any of the prerequisite/required preparatory courses. Minimum prerequisite GPA for eligibility is 3.0. C- (minus) grades are not accepted.

6 Students who plan to continue through to OHSU must be aware that to earn a bachelor's degree from OHSU, they must have two years of the same high school-level language, or two terms of college-level language, or pass a language proficiency examination. College-level transferable foreign language (including American Sign Language) credits count toward degree requirements. A minimum of 9 credits of humanities is required for the OHSU degree. Students planning to transition to OHSU must have 132 credits of prerequisite and program required courses by the completion of the AAS degree in order to meet the 180 credit requirement by the completion of the bachelor's degree with a major in Nursing from OHSU. Students planning to earn a bachelor's degree are encouraged to complete MTH243 Probability and Statistics soon after the prerequisite math course.

7 General education courses in this year may be completed during summer term but must be completed to progress to second year nursing courses.

8 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 annually. See the Nursing program director for more information.

9 As needed to meet program minimum credits.

For more information, contact the Nursing Department.

Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

#### **COMPUTER SCIENCE**

## Computer and 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 Institute of Technology. The program is designed for students transferring to its baccalaureate degree program in Computer Engineering Technology and/or 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 53 core credits within the major area

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.

#### **Program Learning Outcome**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Computer and Embedded Systems Engineering Technology Transfer to Oregon Tech program are:

An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline.

An ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use technical literature.

An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; an ability to function effectively as a member of a technical team.

Students will be prepared to transfer into Oregon Tech's Computer and Embedded Systems Engineering program.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over four years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements.

#### **Graduation Requirements**

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students should be aware that Oregon Tech requires a grade of "B" or better in all EET courses and CS161U, CS162U and CS234U for transfer.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

**Alternate Course** 

#### TOTAL PROGRAM CREDITS

Program email address <u>ElectronicsInfo@roguecc.edu</u>

Course No. Course Title

#### **Program Prerequisites**

CIS120Concepts in Computing I 1MTH111College AlgebraMTH112Elementary FunctionsWR115Introduction to Expository Writing

Prerequisites - credits vary based on Placement Score(s): 0-13 90

Comments

Required for graduation or designated placement score or designated placement score or designated placement score

Fall	Check in with Advisor		
FFT129	Introduction to Embedded Systems		
W/R121	English Composition 12		
EET125	Electronics Eurodamontals L(DC)		
LLIIZJ			
	Term Credits: 12		
Winter			
PSY202	General Psychology II	Technical Elective <sup>3</sup>	or approved Social Science
			transfer course (credits vary)
EET130	Digital Fundamentals I		
EET126	Electronics Fundamentals II (AC)		
			Approved transferable general elective
			(see advisor)
	Term Credits: 15		
<b>6</b>			
Spring			
	Digital Fundamentals II		
	lecrinical writing	Madiaval	ar an excurate Using an it is a two paters as upon
HUIVITUT	introduction to Humanities: Classical to	Wiedleval	or approved Humanities transfer course
MUC244	History of Posk I: The Posts of Posk		(CIEUIIS Valy)
1005204	HISTORY OF KOCK I. THE ROOLS OF ROCK	ENG104	or approved Humannes transfer course
			(creats vary)
	Term Credits: 16		
Fall			
CS161U	Computer Science I (C++)		fall term only
EET132	Digital Fundamentals III		fall and spring term only
MTH251	Calculus I (Differential )		fall at RWC; fall/winter at RVC
	Term Credits: 11		
	leim cieurs. 14		
Winter			
CS162U	Computer Science II (C++)		winter term only
MIH252	Calculus II (Integral)		winter at RWC; winter/spring at RVC
EE1240	Microcontrollers I		winter term only (lecture luesday at IRC)
	Term Credits: 14		
Spring			
CS234U	Object Oriented Programming in C++		spring term only
FFT241	Microcontrollers II		spring term only
	Microcontroners in		(lecture Tuesday at TRC)
COMM111	Fundamentals of Public Speaking		(
	Torm Creditor 14		
	ierm Credits: 14		
Summer			
MTH254	Vector Calculus		summer term only
	Term Credits: 5		
3 4 10 10 10 10	d Tachnical Elactiva		
• Approve	a lechnical Elective		
(can be taken inst	ead of PST202 - see advisor for best option)		
Course No.	Course Title		Credits
PH211/PH211L/P	H211R General Physics (Calculus Bas	ed) I with lab and recitation	5
Approved	Humanities Electives		
(Complete 6 cred	lits from the following list A maximum of	three performance or studio-based credits	s indicated by an asterisk are allowed )
		tinee performance of studio based creates	s maleated by an asterisk are anowed.
Course No.	Course Title		Credits
ART115,116*	Basic Design (Composition/C	olor Theory)	3-3
ART131,132,133*	Introduction to Drawing (Valu	e/Line/Mixed)	3-3-3
ART204,205,206	History of Art I, II, III		4-4-4
ART234,235,236*	Figure Drawing I, II, III		3-3-3
ART237,238,239*	Illustration (Black and White	Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III		3-3-3
ENG104	Introduction to Literature (Fic	ion)	4

ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I. II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory I, II, III	3-3-3
MUS114,115,116	Aural Skills I, II, III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory IV, V, VI	3-3-3
MUS224,225,226	Aural Skills IV, V, VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
1 Approved Computer Info	rmation Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ter	years, precluding the .475 profi-

ciency exam. 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.

For more information, contact the Electronics Technology Department:

Phone	
Email	<u>ElectronicsInfo@roquecc.edu</u>
Web address	
ΠΥ	Oregon Telecom Relay Service, 711
	<b>o y</b>

## **Computer Science Transfer to Southern Oregon University**

#### Associate of Science Degree

#### About the Program

This 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 science. Students must work closely with advisors in their areas of interest to ensure electives are appropriate.

The curriculum allows for 23-31 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Computer Science Transfer to Southern Oregon University are:

Demonstrate the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined technology activities.

Ability to develop a knowledge of mathematics, science, engineering, and technology problems that require limited application of principles but extensive practical knowledge.

Ability to identify, analyze, and solve narrowly defined technology problems.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited universities will be accepted in accordance with college policies. In order to ensure that coursework is current, program courses over five years old must be reviewed and approved by the appropriate Department Chair before being accepted toward core requirements.

#### **Graduation Requirements** ]

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Students should be aware that SOU requires a grade of "B" in CS161 and CS162 for transfer. Certain required courses are also graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

90-92

#### TOTAL PROGRAM CREDITS

Program email address: <u>ComputerScienceInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
<b>Program P</b>	rerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		
MTH95	Intermediate Algebra		or designated placement score
WR115	Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check-in with Advisor		
WR121	English Composition I		
CIS140	Introduction to Operating Systems		

PSY101	Psychology of Human Relations	or approved Social Science transfer course
ENG104	Introduction to Literature (Fiction)	(credits vary) or approved Humanities transfer course (credits vary)
	Term Credits: 15	
Winter		
MTH111 WR227 COMM225 CIS125DB	College Algebra Technical Writing Small Group Communication and Problem-solving Database Management Systems	WR122 or COMM100, COMM111, COMM218
	Term Credits: 15	
Spring		
MTH112 CS160 CIS195 PHL101	Elementary Functions Introduction to Computer Science Web Authoring I Philosophical Problems	or approved Science transfer course (credits vary) or approved Humanities transfer course (credits vary)
	Term Credits: 16	
Fall	Check-in with Advisor	
MTH251 CS161U PH201 PH2011	Calculus I Differential Computer Science I (C++) General Physics I General Physics I Lab	fall at RWC; fall/winter at RVC fall term only or approved Science transfer course (credit vary) or approved Science transfer course (credits vary)
	Term Credits: 14	
Winter		
CS162U MTH252 PH202 PH202L	Computer Science II (C++) Calculus II Integral General Physics II General Physics II Lab <b>Term Credits: 14</b>	winter term only winter at RWC; winter/spring at RVC or approved Science Lab course (credits vary) or approved Science Lab course (credits vary)
Spring		
CS275 PSY201	Data Base Development I General Psychology I	spring term only or approved Social Science transfer course (credits van)
MUS108	Music in World Cultures	or approved Humanities transfer course (credits vary)
BA101	Introduction to Business	or approved Social Science transfer course (credits vary)
	Term Credits: 16	
Approve	d Humanities Electives	

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

Course No.	Course Title	Credits
ART131	Introduction to Drawing (Value)	3
ART204,205,206	History of Art I, II, III	4-4-4
COMM115	Introduction to Intercultural Communication	4
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4

SCIENCE, TECHNOLOGY, ENGINEERING, MATH

ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
IS110	Introduction to International Studies	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

Approved Science Electives (Complete at least three courses, two of which must have labs, from the following list, 11-15 credits. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CHEM221,222,223	General Chemistry I, II, III w/lab and Recitation	5-5-5
CIS195	Web Authoring I (HTML/CSS) (non-lab course)	4
ENV111	Introduction to Environmental Science (non-lab course)	3
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies w/lab	4
PH201,202,203	General Physics I, II, III w/lab and Recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and Recitation	5-5-5

# 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
BA218	Personal Finance	3
CJ200/SOC244	Introduction to Criminology	4
CJ120	Introduction to the Judicial Process	4
CJ243/SOC243	Drugs, Crime and Addiction	4
COMM237	Communication and Gender	4
ECON115	Introduction to Economics	3
ECON201,202	Principles of Microeconomics/Macroeconomics	4-4
GEOG110	Introduction to Human Geography	4
GEOG120	World Regional Geography	4
HE250,HPE295	Personal Health/Health and Fitness for Life	3-3
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4
PS201	U. S. Government: Institutions and Policy	4
PS202	U. S. Government: Ideologies and Political Participation	4
PS203	State and Local Government	4
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 the U.S.	4
SOC218	Sociology of Gender	4
SOC225	Social Problems and Solutions	4
SOC228	Environment and Society	4
SOC230	Introduction to Gerontology	4
SOC235/HST259	The Chicano/Latino Historical Experience	4

#### **Approved Computer Science Electives**

(0-9 credits required) Complete sufficient number of courses from the list below to meet total degree requirement of at least 90 credits.

Course No.	Course Title	Credits
CIS179	Introduction to Networks	4
CIS240LX	Advanced Operating Systems: Linux	4
CIS279	Network Operating Systems	4
CS133	Any CS133 programming language not taken as core requirement	4
CS234U	Object Oriented Programming with C++	4
CS260	Data Structures I	4
EET240	Microcontrollers I	5
MTH253	Calculus III	5
MTH254	Calculus IV	5

1 Approved Computer Information Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years, precluding the .475 proficiency exam.

For more information, contact the Computer Information Science Department:

Phone	
Email	<u>ComputerScienceInfo@roguecc.edu</u>
Web address.	
ΠΥ	Oregon Telecom Relay Service, 711

## **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 public university system. 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Associate of Science Oregon Transfer - Computer Science are:

Demonstrate the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities.

Ability to develop a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.

Ability to identify, analyze, and solve narrowly defined technology problems.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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#### TOTAL PROGRAM CREDITS

Program email address: <u>ComputerScienceInfo@roguecc.edu</u>

**Course No. Course Title Alternate Course** Comments **Program Prerequisites** CIS120 Concepts in Computing I<sup>1</sup> MTH111 College Algebra or designated placement score or designated placement score MTH112 **Elementary Functions** Introduction to Expository Writing or designated placement score WR115 Prerequisites - credits vary based on Placement Score(s): 0-13

Fall	Check-in with Advisor		
WR121	English Composition I		
MTH251	Calculus I Differential		
PH201	General Physics I <sup>2</sup>		or approved Science transfer course (credits vary)
PH201L	General Physics I Lab <sup>2</sup>		or approved Science transfer course (credits vary)
	Term Credits: 14		
Winter			
WR122	English Composition II	WR227	
MTH252	Calculus II Integral		
PH202	General Physics II <sup>2</sup>		or approved Science transfer course (credits vary)
PH202L	General Physics II Lab <sup>2</sup>		or approved Science transfer course (credits vary)
PSY101	Psychology of Human Relations		or approved Social Science transfer course (credits vary)
	Term Credits: 17		
Spring			
COMM111	Fundamentals of Public Speaking <sup>3</sup>	COMM100, 115, 218	
PH203	General Physics III 2		or approved Science transfer course (credits vary)
PH203L	General Physics III Lab <sup>2</sup>		or approved Science transfer course (credits vary)
CS160	Introduction to Computer Science		fall/spring term only
BA101	Introduction to Business	PSY201	or approved Social Science transfer course (credits vary)
	Term Credits: 17		(
Fall	Check-in with Advisor		
CS161U	Computer Science I (C++)		fall term only
PSY202	General Psychology II		
ART115	Basic Design (Composition)		or approved Humanities transfer course (credits vary)
CIS125DB	Database Management Systems		or approved transfer elective as needed (credits vary)
	Term Credits: 14		
Winter			
CS162U	Computer Science II (C++)		winter term only
CJ100	Foundations and Ethics in Criminal Justice		or approved Social Science transfer course
			(credits vary)
CS133C#	Programming Fundamentals Using C#		(CSI33C# winter term only)
ART204	History of Art I <sup>4</sup>		Meets Cultural Literacy, or approved Humanities transfer course (credits vary)
	Term Credits: 16		
Spring			
CS260	Data Structures I		spring term only
CS234U	Object Oriented Programming in C++		(CS234U spring term only)
MUS208	Film Music		or approved program transfer elective or approved Humanities transfer course
			(credits vary)
HE250	Personal Health		or approved Health/Wellness/Fitness course(s) 3 credits total
	Term Credits: 14		
Distribut	ion Requirements		

#### Health/Wellness/Fitness

HE112	Emergency First Aid
HE208	HIV and Infectious Diseases
HE250	Personal Health
HE252	First Aid/CPR
HE253	Wilderness First Aid/CPR
HE261	CPR/Basic Life Support Provider
HPE295	Health and Fitness for Life

PE185	Activity Courses
PE291	Lifeguard Training

#### Humanities 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 <u>www.roguecc.edu\cs</u> and a computer science advisor for university-specific transfer requirements.

#### Science <sup>2</sup> 12-15

Complete three biological and/or physical science laboratory courses.

#### 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.

6-19

1-3 2

#### **Total Elective Credits**

1 Approved Computer Information Science or Computer Science class, CIS120 or above, or documented computer proficiency, precluding the .475 proficiency exam.

2 Some schools require physics as the laboratory science chosen. It is recommended that students contact the specific 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.

3 COMM100 may not be accepted if students do not complete this degree before transferring to an Oregon university.

4 Meets cultural literacy criteria (one course required). See catalog for additional courses that meet the criteria.

#### For more information, contact the Computer Science Department:

Phone	
Email	
Web address.	
ΠΥ	
	с , , , , , , , , , , , , , , , , , , ,

## Cybersecurity 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 Cybersecurity. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 53 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Cybersecurity Transfer to Oregon Tech degree are:

Demonstrate the knowledge, techniques, skills, and modern tools of the discipline to defined information systems technology.

Ability to design and implement information systems using the latest technology and standard best practices.

Ability to identify, analyze, and solve technical issues with the use of information systems and technology.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### 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 the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email a	address:	ComputerScienceInfo@roguecc.edu		
Course No.	Cour	se Title	Alternate Course	Comments
Program F CIS120 MTH95 WR115	Prerec Conce Intern Introd	<b>quisites</b> epts in Computing I <sup>1</sup> nediate Algebra Juction to Expository Writing		or designated placement score or designated placement score
	Prere Place	equisites – credits vary based on ement Score(s): 0-9		
<b>Fall</b> BA211 CIS140 WR121 ECON201	Chec Finan Introd Englis Princi Term	k in with Advisor cial Accounting I duction to Operating Systems sh Composition I ples of Microeconomics Credits: 16		
Winter				
CIS179 BA213 ECON202 MTH111	Introd Mana Princi Colleg	duction to Networks gerial Accounting ples of Macroeconomics ge Algebra		
	Term	Credits: 16		
<b>Spring</b> CIS284 MTH112 WR227 COMM111	Netwo Eleme Techn Funda	ork Security Fundamentals entary Functions ical Writing amentals of Public Speaking		
	Term	Credits: 16		
<b>Fall</b> CIS125DB CIS227 PSY202 CHEM104 CHEM104L CHEM104R	Chec Datab PC Ha Gener Introd Introd Introd	k in with Advisor base Management Systems ardware Fundamentals and Repair ral Psychology II ductory Chemistry ductory Chemistry Lab ductory Chemistry Recitation		or approved Lab Science transfer course (credits vary) or approved Lab Science transfer course (credits vary) or approved Lab Science transfer course (credits vary)
Winter	Dragre			
CIS240LX PHL101	Advar Philos	anning Fundamentals Using C# nced Operating Systems - Linux sophical Problems		winter term only or approved Humanities transfer course (credits vary)
BA206	Mana	gement Fundamentals		winter term only
	Term	Credits: 15		
Spring		Deep Development I		· · · · · · · · · · · · · · · · · · ·
CIS275 CIS279 BA226	Data E Netwo Busin	base Development I ork Operating Systems less Law		spring term only

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HUM101 Introduction to Humanities: Classical to Medieval

#### Term Credits: 16

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 an asterisk are allowed.)

Course No.	Course Title	Credits
ART115,116*	Basic Design (Composition/Color Theory)	3-3
ART131,132,133*	Introduction to Drawing (Value/Line/Mixed Media)	3-3-3
ART204,205,206	History of Art I, II, III	4-4-4
ART234,235,236*	Figure Drawing I, II, III	3-3-3
ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory I, II, III	3-3-3
MUS114,115,116	Aural Skills I, II, III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory IV, V, VI	3-3-3
MUS224,225,226	Aural Skills IV, V, VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	3
PHL101,102,103	Philosophical Problems/Ethics/Critical Reasoning	4-4-4
REL201	World Religions	4
KELZ43	Nature, Religion and Ecology	4
SPAN201,202,203	Second Year Spanish I, II, III	4-4-4

#### **Approved Science Electives -**

At least four credits must be completed from a laboratory-based science course in BI, CHEM or PH.

1 Approved Computer Information Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years, precluding the .475 proficiency exam.

For more information, contact the Computer Information Science Department:

Phone	 	 	
Email	 	 	ComputerScienceInfo@roquecc.edu
Web address			www.roquecc.edu/computerscience
Пү			Oregon Telecom Relay Service 711
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## Information 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 Information Technology. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 52 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Information Technology Transfer to Oregon Tech are:

Demonstrate the knowledge, techniques, skills, and modern tools of the discipline to defined information systems technology.

Ability to design and implement information systems using the last technology and standard best practices.

Ability to identify, analyze, and solve technical issues with the use of information systems and technology.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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 the equivalent of a "C" or better grade. This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion

#### TOTAL PROGRAM CREDITS

questions.

Program email a	ddress: <u>ComputerScienceInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program P	Prerequisites		
CIS120	Concepts in Computing I <sup>1</sup>		
MTH95	Intermediate Algebra		or designated placement score
WR115	Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
BA211	Financial Accounting I		
CIS140	Introduction to Operating Systems		
MTH111	College Algebra		

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WR121	English Composition I	
	Term Credits: 16	
Winter		
CIS179 BA223 MTH112 PSY202	Introduction to Networks Principles of Marketing Elementary Functions General Psychology II	
	Term Credits: 15	
Spring		
BA213 CIS240 COMM111 WR227	Managerial Accounting Advanced Operating Systems Fundamentals of Public Speaking Technical Writing	
	Term Credits: 16	
Fall	Check in with Advisor	
CIS125DB CIS284 ECON201	Database Management Systems Network Security Fundamentals Principles of Microeconomics	
PH201	General Physics I	or approved Lab Science transfer course
PH201L	General Physics I Lab	or approved Lab Science transfer course (credits vary)
	Term Credits: 16	
Winter		
CS133C#	Programming Fundamentals Using C#	winter term only
BA206	Management Fundamentals	winter term only
ECON202	Principles of Macroeconomics	
PHL101	Philosophical Problems	or approved Humanities transfer course (credit vary)
	Term Credits: 15	
Spring		
CIS227 CIS279 BA226	PC Hardware Fundamentals and Repair Network Operating Systems Business Law	
HUM101	Introduction to Humanities: Classical to Medieval	or approved Humanities transfer course (credit vary)
	Term Credits: 15	
Approved	d Humanities Electives	
(Complete at lea are allowed.)	ast two courses from the following list, 6-8 credits. A maximum of three p	erformance or studio-based credits indicated by an asterisk
Course No.	Course Title	Credits

Course No.	Course little	Credits
ART115,116*	Basic Design (Composition/Color Theory)	3-3
ART131,132,133*	Introduction to Drawing (Value/Line/Mixed Media)	3-3-3
ART204,205,206	History of Art I, II, III	4-4-4
ART234,235,236*	Figure Drawing I, II, III	3-3-3
ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4

ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory I, II, III	3-3-3
MUS114,115,116	Aural Skills I, II, III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory IV, V, VI	3-3-3
MUS224,225,226	Aural Skills IV, V, VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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

#### **Approved Science Electives**

At least four credits must be completed from a laboratory-based science course in BI, CHEM or PH.

1 Approved Computer Information Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years, precluding the .475 proficiency exam.

For more information, contact the Computer Information Science Department:	
Phone	
Email	<u>ComputerScienceInfo@roguecc.edu</u>
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

## Software Engineering Technology Transfer to Oregon Tech

#### Associate of Science Degree

#### About the Program

This 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. Students must work closely with advisors in their areas of interest to ensure electives are appropriate. The curriculum allows for 35 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 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. The program learning outcomes for the Software Engineering Technology Transfer to Oregon Tech are:

Demonstrate the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities.

Ability to develop a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.

Ability to identify, analyze, and solve narrowly defined technology problems.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

#### **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**

TOTAL PROGRAM CREDITS

The Associate of Science degree will be awarded to students who complete all credits in this program with a grade of "C" or better. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students should be aware that Oregon Tech requires a grade of "B" in CS162U and CS234U for transfer.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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Program email a	address: <u>ComputerScienceInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program I MTH111 MTH112 WR115 CIS120	Prerequisites College Algebra Elementary Functions Introduction to Expository Writing Concepts in Computing I 1		or designated placement score or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-13		
Fall	Check in with Advisor		
MTH251 EET125 WR121	Calculus I (Differential) Electronics Fundamentals I (DC) English Composition I		fall term only
	Term Credits: 15		
Winter			
MTH252 CIS140 PSY202 WR227	Calculus II (Integral) Introduction to Operating Systems General Psychology II Technical Writing		winter term only
	Term Credits: 17		
<b>Spring</b> COMM111 EET129 HUM101	Fundamentals of Public Speaking Introduction to Embedded Systems Introduction to Humanities: Classical To Medieval		or approved Humanities transfer course
REL201	World Religions		(credits vary) or approved Humanities transfer course (credits vary)
	Term Credits: 15		
Summer	Check-in with Advisor		
MTH254	Vector Calculus		summer term only
	Term Credits: 5		

Fall		
CS161U	Computer Science I (C++)	fall term only
PH211	General Physics (Calculus Based) I	fall term only
PH211L	General Physics (Calculus Based) I Lab	fall term only
PH211R	General Physics (Calculus Based) I Recitation	fall term only
EET130	Digital Fundamentals I	
	Term Credits: 15	
Winter		
CS162U	Computer Science II (C++)	winter term only
EET240	Microcontrollers I	winter term only
PH212	General Physics (Calculus Based) II	winter term only
PH212L	General Physics (Calculus Based) II Lab	winter term only
PH212R	General Physics (Calculus Based) II Recitation	winter term only
	Term Credits: 14	
Spring		
CS234U	Object Oriented Programming in C++	spring term only
PH213	General Physics (Calculus Based) III	spring term only
PH213L	General Physics (Calculus Based) III Lab	spring term only
PH213R	General Physics (Calculus Based) III Recitation	spring term only
ENG104	Introduction to Literature (Fiction)	or approved Humanities transfer course (credits vary)

#### Term Credits: 13

Approved Humanities Electives (Complete three courses, 9-12 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 (Composition/Color Theory)	3-3
ART131,132,133*	Introduction to Drawing (Value/Line/Mixed Media)	3-3-3
ART204,205,206	History of Art I, II, III	4-4-4
ART234,235,236*	Figure Drawing I, II, III	3-3-3
ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	Music Fundamentals	3

MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory I, II, III	3-3-3
MUS114,115,116	Aural Skills I, II, III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory IV, V, VI	3-3-3
MUS224,225,226	Aural Skills IV, V, VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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

1 Approved Computer Information Science or Computer Science class, CIS120 or above, or documented computer proficiency within the past ten years, precluding the .475 proficiency exam.

For more information, contact the Computer Information Science Department:

Phone	
Email	<u>ComputerScienceInfo@roquecc.edu</u>
Web address	
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#### SCIENCE

## **Engineering Transfer to Oregon Tech - Civil**

Associate of Science Degree

#### About the Program

The Associate of Science – Engineering Transfer to Oregon Tech - Civil is for students interested in transferring to a bachelor's degree program at Oregon Tech.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Overall program learning outcomes for the Engineering Transfer to Oregon Tech - Civil are:

Identify the broad context of engineering problems.

Identify the fundamental elements of engineering design.

Employ mathematics, science, and computing techniques in a systematic and rigorous manner to support engineering problems.

Write and solve applicable equations of equilibrium for statically determinate objects.

#### **Entry Requirements**

Students in engineering majors are asked to work closely with the Science Department Chair, ScienceInfo@roguecc.edu, to ensure success in academic planning.

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and with a Science Department recommendation. In order to ensure that coursework is current, program courses over 10 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. Engineering requires advanced coursework, and may take additional time for an associate's degree. The preparatory transfer coursework, which can be taken at RCC, may take up to three years.

#### **Graduation Requirements**

Students are required to complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email addre	ess: <u>ScienceInfo@roguecc.edu</u>	
Course No.	Course Title Alternate Course	Comments
Program Pre CIS120 MTH111 MTH112 WR115	requisites <sup>1</sup> Concepts in Computing I <sup>2</sup> College Algebra Elementary Functions Introduction to Expository Writing	Required for graduation or designated placement score or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-13	
Fall	Check in with Advisor	
MTH251 ENGR101 CHEM221 CHEM221L CHEM221R	Calculus I (Differential) Engineering Orientation I: Careers, Skills and Computer Tools General Chemistry I General Chemistry I Lab General Chemistry I Recitation	fall at RWC; fall/winter at RVC fall term only fall term only fall term only fall term only
	Term Credits: 12	
Winter		
MTH252 ENGR102 CHEM222 CHEM222L CHEM222R	Calculus II Integral Engineering Orientation II: Careers, Skills and Computer Tools General Chemistry II General Chemistry II Lab General Chemistry II Recitation	winter at RWC; winter/spring at RVC winter term only winter term only winter term only
, and the second s	Term Credits: 12	
Contine		
MTH261 ENGR103 CHEM223 CHEM223L CHEM223R ART204	Linear Algebra Engineering Orientation III: Careers, Skills and Computer Tools General Chemistry III General Chemistry III Lab General Chemistry III Recitation History of Art I	spring term only or approved Humanities course
	Term Credits: 16	
Summer		
MTH254 MTH256	Vector Calculus Differential Equations	summer term only summer term only
	Term Credits: 10	
Fall	Check in with Advisor	
PH211 PH211L PH211R WR121 ECON201	General Physics (Calculus Based) I General Physics (Calculus Based) I Lab General Physics (Calculus Based) I Recitation English Composition I Principles of Microeconomics	fall term only fall term only fall term only
	Term Credits: 13	
<b>Winter</b> PH212 PH212L PH212R	General Physics (Calculus Based) II General Physics (Calculus Based) II Lab General Physics (Calculus Based) II Recitation	winter term only winter term only winter term only

SCIENCE, TECHNOLOGY, ENGINEERING, MATH

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ENGR211	Statics	
CONNELLE	Fundamentals of Public Speaking	
	ierm Credits: 12	
Spring PH213	General Physics (Calculus Rased) III	spring term only
PH213I	General Physics (Calculus Based) III Lab	spring term only
PH213R	General Physics (Calculus Based) III Recitation	spring term only
ENGR213	Strength of Materials	opg to
PSY201	General Psychology I	or approved Social Science course
WR227	Technical Writing	
	Term Credits: 16	
Approved I	Iumanities Flectives	
(One course, 3-4 ci	redits. A maximum of three performance or studio-based credits indicated by an asterisk are allow	(ed.)
ART115 116*	Basic Design (Composition/Color Theory)	3-3
ART131.132.133*	Introduction to Drawing (Value/Line/Mixed Media)	3-3-3
ART204,205,206	History of Art I, II, III	4-4-4
ART234,235,236*	Figure Drawing I, II, III	3-3-3
ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
ART281,282,283*	Painting I, II, III	3-3-3
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
	Introduction to English Literature: Victorian to Modern	4
ENG253 ENG254	Survey of American Literature: 19th Contury	4
ENG255	Survey of American Literature: 17th Century	4 4
ENG255	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUSIOI	Music Fundamentals	3
MUS105	Music Appreciation Music in World Cultures	3
MUS100 MUS111 112 112	Music Theory L.U.U.	4 2 2 2 2
MUS11/ 115 116	Aural Skille I II III	
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory IV, V, VI	3-3-3
MUS224,225,226	Aural Skills IV, V, VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3

MUS266	History of Rock III: Heavy Metal to Hip Hop	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

#### **Approved Social Science Electives**

(One course, 3-4 credits.) Select from the following RCC prefixes: ANTH, ECON, GEOG (EXCEPT GEOG100), HST, PS, PSY, SOC or others designated as Social Science Electives by the Oregon Tech Registrar's Office.

1 Prerequisite courses may have additional requirements.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

For more information, contact the Science Department:

Phone	
Email	ScienceInfo@roquecc.edu
Web address	
ΠΥ	

## **Engineering Transfer to Oregon Tech - Electrical**

Associate of Science Degree

#### About the Program

The Associate of Science – Engineering Transfer to Oregon Tech - Electrical is for students interested in transferring to a bachelor's degree program at Oregon Tech.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Overall program learning outcomes for the Engineering Transfer to Oregon Tech – Electrical are:

Identify the broad context of engineering problems.

Identify the fundamental elements of engineering design.

Employ mathematics, science, and computing techniques in a systematic and rigorous manner to support engineering problems.

Define how electrical concepts relate with each other.

#### **Entry Requirements**

Students in engineering majors are asked to work closely with the Science Department Chair, ScienceInfo@roguecc.edu, to ensure success in academic planning.

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and with a Science Department recommendation. In order to ensure that coursework is current, program courses over 10 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. Engineering requires advanced coursework, and may take additional time for an associate's degree. The preparatory transfer coursework, which can be taken at RCC, may take up to three years.

#### **Graduation Requirements**

Students are required to complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: <u>ScienceInfo@roguecc.edu</u>

Course No.	Course Title A	ternate Course Comments
Program F	Prereguisites <sup>1</sup>	
MTH111	College Algebra	or designated placement score
MTH112	Elementary Functions	or designated placement score
WR115	Introduction to Expository Writing	or designated placement score
CIS120	Concepts in Computing I <sup>2</sup>	Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-13	
Fall	Check in with Advisor	
MTH251	Calculus I (Differential)	fall at RWC; fall/winter at RVC
ENGR101	Engineering Orientation I: Careers, Skills and Computer	Tools
CHEM221	General Chemistry I	fall term only
CHEM221L	General Chemistry I Lab	fall term only
	General Psychology I	Idit term only or approved Social Science course
131201	Term Credits: 16	
MTH252	Calculus II (Integral)	winter at PWC: winter/spring at PVC
FNGR102	Engineering Orientation II: Careers, Skills and Compute	Tools
WR121	English Composition I	
CHEM222	General Chemistry II	winter term only
CHEM222L	General Chemistry II Lab	winter term only
CHEM221R	General Chemistry I Recitation	winter term only
	Term Credits: 16	
Spring		
MTH261	Linear Algebra	spring term only
ENGR103	Engineering Orientation III: Careers, Skills and Compute	r Tools
COMM111	Fundamentals of Public Speaking	
ARI204	History of Art I	or approved Humanities course
	Term Credits: 15	
Summer	Check-in with Advisor	
MTH254 MTH256	Vector Calculus Differential Equations	summer term only summer term only
	Term Credits: 10	
Fall		
Contact Science D	epartment Chair at <u>ScienceInfo@roguecc.edu</u> about Orego	n Tech application process
PH211	General Physics (Calculus Based) I	fall term only
PHZTTL	General Physics (Calculus Based)   Lab	fall term only
YHZIIK W/D227	Tochnical Writing	lan term only
CS161U	Computer Science L(C++)	fall term only
001010	Term Credits: 13	
Wintor		
PH212	General Physics (Calculus Based) II	winter term only
PH2121	General Physics (Calculus Based) II Lab	winter term only
PH212R	General Physics (Calculus Based) II Recitation	winter term only
ENGR201	Electrical Fundamentals I	
ENGR201L	Electrical Fundamentals I Lab	
CS162U	Computer Science II (C++)	winter term only
	Term Credits: 12	
Spring		
PH213	General Physics (Calculus Based) III	spring term only
PH213L	General Physics (Calculus Based) III Lab	spring term only
PH213R	General Physics (Calculus Based) III Recitation	spring term only

ENGR202Electrical Fundamentals IIENGR202LElectrical Fundamentals II Lab

ECON201 Principles of Microeconomics

#### Term Credits: 12

#### **Approved Humanities Electives**

(One course, 3-4 credits. A maximum of three performance or studio-based credits indicated by an asterisk are allowed.)

ART131,132,133*Introduction to Drawing (Value/Line/Mixed Media)3-3-3ART204,205,206History of Art J, II, III44.4ART234,253,236*Figure Drawing L, II, III3-3-3ART237,238,239*Illustration (Black and White Media/Color Media/Perspective)3-3-3ART234,253,236*Pointing L, II, III3-3-3EN6104Introduction to Literature (Fiction)4EN6105Introduction to Literature (Fiction)4EN6106Introduction to Literature (Poetry)4EN6107World Literature: Medieval to Renaissance4EN6108World Literature: Indightenment to Modern4EN6201,202Shakespeare I, II44EN6205Introduction to English Literature: Wedieval to Renaissance4EN6205Introduction to English Literature: Victorian to Modern4EN6205Introduction to English Literature: Victorian to Modern4EN6205Introduction to English Literature: Olonial4EN6255Survey of American Literature: Colonial4EN6255Survey of American Literature: 20th Century4EN6256Introduction to Humanities: Classical to Medieval4EN6257African American Literature: 20th Century4EN6258Survey of American Literature: 20th Century4EN6250Introduction to Humanities: Renaissance to Englightenment4HUM101Introduction to Humanities: Renaissance to Englightenment4HUM215Native American Literature4HUM216Native A
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MUS111,112,113 Music Theory I, II, III 3-3-3
MUS114,115,116 Aural Skills I, II, III 1-1-1
MUS201 Exploring Music: Introduction to Music History 4
MUS205 History of Jazz 3
MUS206 Introduction to Rock Music 3
MUS208 Film Music 3
MUS211,212,213 Music Theory IV, V, VI 3-3-3
MUS224,225,226 Aural Skills IV, V, VI 1-1-1
MUS261 History of Western Music I: Ancient to Baroque 4
MUS262 History of Western Music II: Classical to Romantic 4
MUS263 History of Western Music III: 20th Century to Modern Day 4
MUS264 History of Rock I: The Roots of Rock 3
MUS265 History of Rock II: Rock's Golden Age 3
MUS266 History of Rock III: Heavy Metal to Hip Hop 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

#### **Approved Social Science Electives**

(One course, 3-4 credits.) Select from the following RCC prefixes: ANTH, ECON, GEOG (except GEOG100), HST, PS, PSY, SOC or others designated as Social Science Electives by the Oregon Tech Registrar's office.

1 Prerequisite courses may have additional requirements.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

For more information, contact the Science Department:	
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

## **Engineering Transfer to Oregon Tech - Mechanical**

#### Associate of Science Degree

#### About the Program

The Associate of Science – Engineering Transfer to Oregon Tech - Mechanical is for students interested in transferring to a bachelor's degree program at Oregon Tech.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Overall program learning outcomes for the Engineering Transfer to Oregon Tech - Mechanical are:

Identify the broad context of engineering problems.

Identify the fundamental elements of engineering design.

Employ mathematics, science, and computing techniques in a systematic and rigorous manner to support engineering problems.

Apply understanding of science and mathematics to analyze and design mechanical systems with engineering materials.

#### **Entry Requirements**

Students in engineering majors are asked to work closely with the Science Department Chair, ScienceInfo@roguecc.edu, to ensure success in academic planning.

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and with a Science Department recommendation. In order to ensure that coursework is current, program courses over 10 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. Engineering requires advanced coursework, and may take additional time for an associate's degree. The preparatory transfer coursework, which can be taken at RCC, may take up to three years.

#### **Graduation Requirements**

Students are required to complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

**Alternate Course** 

#### TOTAL PROGRAM CREDITS

Program email address: <u>ScienceInfo@roguecc.edu</u>

#### Course No. Course Title

**Program Prerequisites 1** 

	Prerequisites - credits vary ha
WR115	Introduction to Expository Writing
MTH112	Elementary Functions
MTH111	College Algebra
CIS120	Concepts in Computing I <sup>2</sup>

Prerequisites - credits vary based on Placement Score(s): 0-13 93-95

Comments

#### Required for graduation or designated placement score or designated placement score or designated placement score

Fall	Check in with Advisor	
MTH251	Calculus I (Differential)	fall at RWC; fall/winter at RVC
ENGR101	Engineering Orientation I: Careers, Skills and Computer Tools	fall term only
CHEM221	General Chemistry I	fall term only
CHEM221L	General Chemistry I Lab	fall term only
CHEM221R WR121	General Chemistry I Recitation English Composition I	tall term only
	Term Credits: 16	
Winter		
MTH252	Calculus II Integral	winter at RWC; winter/spring at RVC
ENGR102	Engineering Orientation II: Careers, Skills and Computer Tools	winter term only
CHEM222	General Chemistry II	winter term only
CHEM222L	General Chemistry II Lab	winter term only
CHEM222R	General Chemistry II Recitation	winter term only
	Term Credits: 12	
Spring		
MTH261	Linear Algebra	spring term only
ENGR103	Engineering Orientation III: Careers, Skills and Computer Tools	spring term only
WRZZ/	lechnical Writing	ar approved Casial Criance course
PS1201	General Psychology I	of approved Social Science course *CHEM223/I/P is strongly recommanded
		(offered spring term only)
	Term Credits: 15	(
Summor		
MTH254	Vector Calculus	summer term only
MTH256	Differential Equations	summer term only
	Term Credits: 10	
Fall		
Contact Science De	epartment Chair at <u>ScienceInfo@roguecc.edu</u> about Oregon Tech application process	
PH211	General Physics (Calculus Based) I	fall term only
PH211L	General Physics (Calculus Based) I Lab	fall term only
PH211R	General Physics (Calculus Based)   Recitation	fall term only
ARITST ECON201	Introduction to Drawing (Value) Principles of Microaconomics	or approved Humanities course
ECONZUT		
	ierm creaits: 13	
Winter		
	General Physics (Calculus Based) II Conoral Physics (Calculus Based) II Lab	winter term only
PH212R	General Physics (Calculus Based) II Lab General Physics (Calculus Based) II Recitation	winter term only
FNGR211	Statics	winter term only
COMM111	Fundamentals of Public Speaking	
ENGR201	Electrical Fundamentals I	winter term only
ENGR201L	Electrical Fundamentals I Lab	winter term only
	Term Credits: 15	
Spring		
PH213	General Physics (Calculus Based) III	spring term only
PH213L	General Physics (Calculus Based) III Lab	spring term only
PH213R	General Physics (Calculus Based) III Recitation	spring term only
ENGR212	Dynamics	spring term only
ENGR213	Strength of Materials	spring term only
ENGR202	Electrical Fundamentals II	spring term only
ENGK202L	Electrical Fundamentals II Lab	spring term only
	Term Credits: 14	

#### **Approved Humanities Elective**

One course 3-4 credits. (A maximum of three performance or studio-based credits indicated by an asterisk are allowed.)

ART15.112*Basic Design (Composition/Color Theory)3-3ART13.112.112*Introduction to Drawing Vilue/Line/Mixed Media)3-3-3ART24.252.263*Figure Drawing I, II, III3-3-3ART24.252.263*Figure Drawing I, II, III3-3-3ART24.252.263*Painting I, II, III3-3-3ART251.272.282.29*Illustration (Black and White Media/Color Media/Perspective)3-3-3ART261.22.283*Painting I, II, III3-3-3ART261.22.283*Painting I, II, III3-3-3ART261.22.283*Introduction to Literature (Fiction)4ENG106Introduction to Literature (Fiction)4ENG107World Literature: Ancient to Cassical4ENG108World Literature: Religible Internation4ENG201.202Shakespeare I, II4-4ENG202Introduction to English Literature: Wedieval to Renaissance4ENG205Introduction to English Literature: World and Renaissance4ENG205Introduction to English Literature: World and Nodern4ENG205Introduction to English Literature: Victorian to Modern4ENG205Introduction to English Literature: Victorian to Modern4ENG255Survey of American Literature: Coloral4ENG255Survey of American Literature: Coloral4ENG255Survey of American Literature: Coloral4ENG255Survey of American Literature: Coloral4ENG255Survey of American Literature: Coloral4ENG256Introduction to Women Writers <th>Course No.</th> <th>Course Title</th> <th>Credits</th>	Course No.	Course Title	Credits
ART1311321133*   Introduction to Drawing (Value/Linex/Miced Media)   33-3     ART242.025.00*   History of Art. II, II   33-3     ART242.025.20*   Figure Drawing II, II   33-3     ART221.222.28*   Painting I, II, II   33-3     TX21.222.28*   Painting I, II, II   33-3     ENG105   Introduction to Literature (Potny)   4     ENG105   Introduction to Literature (Potny)   4     ENG106   Introduction to Literature (Potny)   4     ENG107   World Literature: Antone to Adder and Mice Adder and Adder and Adder and Adder a	ART115,116*	Basic Design (Composition/Color Theory)	3-3
AR1204.205.206     History of Art, II, III     4.34       AR1234.235.237*     Histration (Back and White Media/Color Media/Perspective)     3.33       AR1234.235.237*     Histration (Back and White Media/Color Media/Perspective)     3.33       AR1237.238.237*     Histration (Eleature (Fiction)     4       ENG104     Introduction to Literature (Porma)     4       ENG105     Introduction to Literature (Porma)     4       ENG106     Introduction to Literature (Porma)     4       ENG107     World Literature: Andewal to Renaissance     4       ENG108     World Literature: Filiptenment to Modern     4       ENG201     Introduction to English Literature: 18th Century to Romantic     4       ENG205     Introduction to English Literature: 18th Century to Romantic     4       ENG205     Introduction to English Literature: 18th Century to Romantic     4       ENG254     Survey of American Literature: 20th Century     4       ENG255     Survey of American Literature: 20th Century     4       ENG256     Introduction to Humantitis: Censian to Medieval     4       ENG257     The Bible as Literature: 18th Century     4	ART131,132,133*	Introduction to Drawing (Value/Line/Mixed Media)	3-3-3
AR1234, 235, 236*   Figure Drawing I, II, III   3-3-3     AR1287, 238, 238*   Painting I, II, III   3-3-3     AR1287, 238, 238*   Painting I, II, III   3-3-3     AR1287, 238, 238*   Painting I, IIII   3-3-3     AR1287, 238, 238*   Painting I, IIII   3-3-3     AR1287, 238, 238*   Painting I, IIII   3-3-3     AR1281, 238, 238*   Painting I, IIIII   3-3-3     AR1281, 238, 238*   Painting I, IIIII   3-3-3     AR1281, 238, 238*   Painting I, IIIIII   3-3-3     AR1281, 238, 238*   Painting I, IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ART204,205,206	History of Art I, II, III	4-4-4
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ART281,282,283*Painting II, III33.3ENGT04Introduction to Literature (Fiction)4ENGT05Introduction to Literature (Drama)4ENGT06Introduction to Literature (Drama)4ENGT07World Literature: Ancient to Classical4ENGT09World Literature: Indipatement to Modern4ENGT09World Literature: Indipatement to Modern4ENGT09World Literature: Endipatement to Modern4ENG204Introduction to English Literature: Medieval to Renaissance4ENG205Introduction to English Literature: Medieval to Renaissance4ENG204Introduction to English Literature: Noticina to Modern4ENG205Introduction to English Literature: Noticina to Modern4ENG235Survey of American Literature: 19th Century4ENG256Survey of American Literature: 20th Century4ENG257African American Literature: 20th Century4ENG256Introduction to Humanities: Romanticism to 20th Century4ENG257The Bible as Literature4ENG256Introduction to Humanities: Romanticism to 20th Century4ENG257The Bible as Literature4HUM101Introduction to Humanities: Romanticism to 20th Century4HUM121Introduction to Humanities: Romanticism to 20th Century4HUM215Native American Arts and Cultures: Station of the Folins4HUM215Native American Arts and Cultures: Station of the Southwest4HUM216Na	ART237,238,239*	Illustration (Black and White Media/Color Media/Perspective)	3-3-3
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	SPAN201,202.203	Second Year Spanish I, II, III	4-4-4

#### **Approved Social Science Elective**

One course 3-4 credits. Select from the following RCC prefixes: ANTH, ECON, GEOG (except GEOG100), HST, PS, PSY, SOC or others designated as Social Science Electives by the Oregon Tech Registrar's office.

1 Prerequisite courses may have additional requirements.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

For more information, contact the Science Department:	
Phone	
Email	<u>ScienceInfo@roguecc.edu</u>
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

## Engineering Transfer to Oregon Tech - Renewable Energy

#### Associate of Science Degree

#### About the Program

The Associate of Science – Engineering Transfer to Oregon Tech - Renewable Energy is for students interested in transferring to a bachelor's degree program at Oregon Tech.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Overall program learning outcomes for the Engineering Transfer to Oregon Tech - Renewable Energy are:

Identify the broad context of engineering problems.

Identify the fundamental elements of engineering design.

Employ mathematics, science, and computing techniques in a systematic and rigorous manner to support engineering problems.

Write and solve applicable equations of equilibrium for statically determinate objects.

Define how electrical concepts relate with each other.

#### **Entry Requirements**

Students in engineering majors are asked to work closely with the Science Department Chair, <u>ScienceInfo@roguecc.edu</u>, to ensure success in academic planning.

Students are required to complete the Placement Process 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 through the Placement Process.

#### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and with a Science Department recommendation. In order to ensure that coursework is current, program courses over 10 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. Engineering requires advanced coursework, and may take additional time for an associate's degree. The preparatory transfer coursework, which can be taken at RCC, may take up to three years.

#### **Graduation Requirements**

Students are required to complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email a	address: <u>ScienceInfo@rogue</u>	<u>cc.edu</u>	
Course No.	Course Title	Alternate Course	Comments
<b>Program</b>	Prereguisites <sup>1</sup>		
CIS120 MTH111 MTH112 WR115	Concepts in Computing I <sup>2</sup> College Algebra Elementary Functions Introduction to Expository Wi	iting	Required for graduation or designated placement score or designated placement score or designated placement score
	Prerequisites - credits va Placement Score(s): 0-13	ary based on 3	
Fall	Check in with Advisor		
MTH251 ENGR101 CHEM221	Calculus I Differential Engineering Orientation I: Ca General Chemistry I	areers, Skills and Computer Tools	fall at RWC; fall/winter at RVC

92-94

CHEM221R ART204	General Chemistry I Recitation History of Art I	or approved Humanities or Social Science course
	Term Credits: 16	
Winter MTH252 ENGR102 CHEM222 CHEM222L CHEM222R PSY201	Calculus II Integral Engineering Orientation II: Careers, Skills and Computer Tools General Chemistry II General Chemistry II Lab General Chemistry II Recitation	winter at RWC; winter/spring at RVC
131201	Term Credits: 16	or approved framanties of Social Science course
Spring		
MTH261 ENGR103 CHEM223 CHEM223L CHEM223R	Linear Algebra Engineering Orientation III: Careers, Skills and Computer Tools General Chemistry III General Chemistry III Lab General Chemistry III Recitation	spring term only
	Term Credits: 12	
<b>Summer</b> MTH254 MTH256	Vector Calculus Differential Equations	summer term only summer term only
	Term Credits: 10	
Contact Science Dep PH211 PH211L PH211R WR121 ECON201	CRECK-IN WITH Advisor partment Chair at <u>ScienceInfo@roguecc.edu</u> about Oregon Tech application process General Physics (Calculus Based) I General Physics (Calculus Based) I Lab General Physics (Calculus Based) I Recitation English Composition I Principles of Microeconomics	fall term only fall term only fall term only
20011201	Term Credits: 13	
Winter PH212 PH212L PH212R ENGR201 ENGR201L ENGR211 COMM111	General Physics (Calculus Based) II General Physics (Calculus Based) II Lab General Physics (Calculus Based) II Recitation Electrical Fundamentals I Electrical Fundamentals I Lab Statics Fundamentals of Public Speaking <b>Term Credits: 15</b>	winter term only winter term only winter term only winter term only winter term only winter term only
Spring		
PH213 PH213L PH213R ENGR202 ENGR202L WR227	General Physics (Calculus Based) III General Physics (Calculus Based) III Lab General Physics (Calculus Based) III Recitation Electrical Fundamentals II Electrical Fundamentals II Lab Technical Writing	spring term only spring term only spring term only
	Term Credits: 12	
Approved I (One course, 3-4 cr	<b>Humanities Electives</b> redits. A maximum of three performance or studio-based credits indicated by an aste	erisk are allowed.)
<b>Course No.</b> ART115,116* ART131,132,133* ART204,205,206 ART234,235,236* ART237,238,239*	<b>Course Title</b> Basic Design (Composition/Color Theory) Introduction to Drawing (Value/Line/Mixed Media) History of Art I, II, III Figure Drawing I, II, III Illustration (Black and White Media/Color Media/Perspective)	<b>Credits</b> 3-3 3-3-3 4-4-4 3-3-3 3-3-3

ART281 282 283*	Painting	3-3-3
FNG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Trama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	-т Л
ENG108	World Literature: Medieval to Renaissance	-т Л
ENG100	World Literature: Enlightenment to Modern	т Л
ENG 201 202	Shakeeneare I II	4
ENG201,202	Introduction to English Literature: Medieval to Penaiscance	4-4 1
ENG204	Introduction to English Literature: 19th Contury to Remantic	4
	Introduction to English Literature: Victorian to Modern	4
	Survey of American Literature. Colonial	4
	Survey of American Literature: 10th Conturn	4
	Survey of American Literature: 20th Century	4
	Survey of American Literature. 20th Century	4
	Amcan American Literature	4
	Introduction to women writers	4
ENG275	Ine Bidle as Literature	4
HUMIOI	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS101	Music Fundamentals	3
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS111,112,113	Music Theory I, II, III	3-3-3
MUS114,115,116	Aural Skills I, II, III	1-1-1
MUS201	Exploring Music: Introduction to Music History	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS211,212,213	Music Theory IV, V, VI	3-3-3
MUS224,225,226	Aural Skills IV, V, VI	1-1-1
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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

#### Approved Social Science Elective

(One course, 3-4 credits.) Select from the following RCC prefixes: ANTH, ECON, GEOG (except GEOG100), HST, PS, PSY, SOC or others designated as Social Science Electives by the Oregon Tech Registrar's office.

1 Prerequisite courses may have additional requirements.

2Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years. For more information, contact the Science Department:

Phone	
Email	ScienceInfo@roguecc.edu
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

### EARLY CHILDHOOD EDUCATION

## Early Childhood Education (Basic)

### **Career Pathway 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 <a href="https://www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges">https://www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges</a> and click on Rogue Community College.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Early Childhood Education Basic Career Pathway Certificate are:

Summarize stages of child development for ages birth through age 8, across developmental domains.

Describe the importance of building family and community partnerships to support successful early childhood outcomes.

Explain the purpose of child observation to assess and plan for individual developmental strengths and needs.

Explain the importance of supportive and responsive interactions with young children as the foundation of an early educator's work.

Identify the elements of being a professional in the early childhood field.

#### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students must score above RD90 and WR90 in order to take ECE courses, but no minimal score is required in math. For more information, call 541-956-7066.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC Early Childhood and Elementary Education Department website and clicking on ECEE Department Requirements 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 through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an ECEE advisor for additional information.

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, <u>www.socfc.org</u>. Click on "Volunteer" and then on "Download Volunteer Packet." 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.

#### **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.
Prerequisites	5	
Course No. RD90/WR90	<b>Course Title</b> College Reading/Fundamentals of Composition or WR91 Fundamentals of Academic Literacy (WR91 substitutes for both RD90 and WR90) or designated placement score	Credits
<b>Total Prerequisi</b>	te Credits	0-8
<b>Required Pro</b>	ogram Courses	
Course No. ECE125 ECE126 ECE135 ECE136 ED170 TOTAL PROGRA	Course Title Early Childhood Development Early Childhood Education Best Practices Applied Child Development Early Childhood Education: A Professional Overview Introductory Practicum	Credits 3 3 3 3 1 1 <b>13</b>
For more information, contact	the Early Childhood and Elementary Education Department:	
Phone		
Email		<u>ECEInfo@roguecc.edu</u>
Web address		
ΠΥ		Oregon Telecom Relay Service, 711

## Early Childhood Education (Intermediate)

### **Career Pathway Certificate**

### About the Program

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 <a href="http://www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges">www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges</a> and click on Rogue Community College.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Early Childhood Education (Intermediate) Career Pathway Certificate are:

Summarize stages of child development for ages birth through age 8, across developmental domains. Describe the importance of building family and community partnerships to support successful early childhood outcomes.

Utilize child observation to assess and plan for individual developmental strengths and needs.

Describe developmentally appropriate teaching practices that are responsive to the learning pathways of young children.

Participate in and examine one's role as a professional in the early childhood field.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC Early Childhood and Elementary Education Department website and clicking on ECEE Department Requirements. 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 through Student Affairs. For more information, go to <u>https://www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an ECEE advisor for additional information.

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, <u>www.socfc.org</u>. Click on "Volunteer" and then on "Download Volunteer Packet." 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.

### **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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### TOTAL PROGRAM CREDITS

Program email add	dress: <u>ECEInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
<b>Program Pr</b>	rerequisites		
RD90	College Reading	WR91	or designated placement score,
WR90	Fundamentals of Composition	WR91	or designated placement score, WR91 fulfills RD90/WR90
	Prerequisites - credits vary based on Placement Score(s): 0-8		
Term 1	Check in with Advisor		
ECE125 ECE126 ECE136 ECE152	Early Childhood Development Early Childhood Education Best Practices Early Childhood Education: A Professional Over Fostering Creativity	view	fall term only
	Term Credits: 12		
Term 2			
ECE135 ECE151 ECE163 ED170	Applied Child Development Guiding Children in Group Settings Preschool/Primary Development Introductory Practicum		total of 2 credits for completion (1 credit per term)
	Term Credits: 10		
Term 3			
ECE161 ECE175 ED170 PSY101	Infant/Toddler Development Developmentally Appropriate Practices Introductory Practicum Psychology of Human Relations		total of 2 credits for completion (1 credit per term)
	Term Credits: 10		
For more information, con Phone	tact the Early Childhood and Elementary Education Department:		
Web address			

# 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 <a href="http://www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges">www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges</a> and click on Rogue Community College.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Early Childhood Education Certificate of Completion are:

Design strategies that promote child development for ages birth through age 8 across developmental domains relevant to the child's relational and cultural environments.

Generate strategies that build and sustain family and community partnerships, reflecting the complex characteristics of children's families and communities to support successful early childhood outcomes.

Describe developmentally, culturally, and linguistically appropriate teaching practices for children ages birth through age 8.

Utilize child observation to assess and plan for individual developmental strengths and needs.

Participate in and examine one's role as a professional in the early childhood field.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC Early Childhood and Elementary Education Department website and clicking on ECEE Department Requirements. 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 through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an ECEE advisor for additional information.

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, <u>www.socfc.org</u>. Click on "Volunteer" and then on "Download Volunteer Packet." 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.

### **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 the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

<b>TOTAL PROG</b> Program email ad	RAM C	REDITS ECEInfo@roquecc.edu		48-49
Course No.	Course	Title	Alternate Course	Comments
Program Pi CIS120 RD90	rerequ Concept College	<b>lisites</b> ts in Computing I <sup>1</sup> Reading	WR91	Required for graduation or designated placement score,
WR90	Fundam	ientals of Composition	WR91	WR91 fulfills RD90/WR90 or designated placement score, WR91 fulfills RD90/WR90
MTH20	Pre-alge	bra		or designated placement score
	Prereq Placen	uisites - credits vary based on nent Score(s): 0-14		
Fall	Check	in with Advisor		
ECE125 ECE126 ECE136 ECE152 ECE154	Early Ch Early Ch Early Ch Fosterin Childrer	ildhood Development ildhood Education Best Practices ildhood Education: A Professional Overview g Creativity n's Literature and Literacy		fall term only fall term only
	Term C	redits: 15		
Winter				
ECE135 ECE151 ECE163 WR115 ECE175	Applied Guiding Prescho Introduo Develop	Child Development Children in Group Settings ol/Primary Development ction to Expository Writing omentally Appropriate Practices	BT113	or higher-level composition
	Term C	redits: 15		
Spring				
EČE161 MTH63 ECE246 ECE266 ED170	Infant/Te Applied Child, Fa Spanish Introduc	oddler Development Algebra I <sup>2</sup> amily and Community for Early Childhood/Elementary Professiona ctory Practicum	BT160/MTH60 Is	or higher-level Math course
	Term C	redits: 14		····· · · · · · · · · · · · · · · · ·
<b>Summer</b> PSY101 ED170	Psychol Introdu	ogy of Human Relations ctory Practicum		total of 2 credits for completion (1 credit per term)
	Term C	redits: 4		
1 Approved Comput	ter Informat	ion Science or Computer Science class, CIS120/CS	120 or above, or documented co	omputer proficiency within the past ten years.
2 Or higher-level ma	ath as desig	nated by placement score or MTH60 Fundamentals	s of Algebra I (MTH105 or higher	recommended for transfer).
For more information, cor Phone Email	ntact the Early	Childhood and Elementary Education Department:		
web audiess ΠΥ				

# 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 childcare, 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 childcare, and will complete between 240 and 288 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 <a href="http://www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges">www.pdx.edu/occd/steps-credentials-oro/#Community%20Colleges</a> and click on Rogue Community College.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Early Childhood Education Associate of Applied Science are:

Implement strategies that promote child development for ages birth through age 8 across developmental domains relevant to the child's relational and cultural environments.

Apply strategies that build and sustain family and community partnerships, reflecting the complex characteristics of children's families and communities to support successful early childhood outcomes

Apply different observation methods to inform instruction and planning reflective of children's developmental, cultural, and linguistic needs.

Implement developmentally, culturally, and linguistically appropriate teaching practices for children ages birth through age 8.

Use academic content knowledge to build developmentally appropriate curriculum that promotes positive outcomes for each child.

Identify and conduct one's self as a member of the early childhood field.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC Early Childhood and Elementary Education Department website and clicking on ECEE Department Requirements. 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 through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an ECEE advisor for additional information.

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. Click on "Volunteer" and then on "Download Volunteer Packet." 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.

### **Completion Requirements**

Students completing the required credits in this program with a grade of "C" or better will receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students will complete between 240 and 288 supervised practicum hours unless a waiver is granted for approved activities.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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#### TOTAL PROGRAM CREDITS

ECEInfo@roguecc.edu Program email address: **Course Title Course No. Alternate Course** Comments **Program Prerequisites** Pre-algebra MTH20 or designated placement score WR115 Introduction to Expository Writing BT113 or designated placement score Concepts in Computing I<sup>1</sup> Required for graduation CIS120 Prerequisites - credits vary based on Placement Score(s): 0-9 Fall Check in with Advisor ECE125 Early Childhood Development Early Childhood Education Best Practices ECE126 ECE136 Early Childhood Education: A Professional Overview FCF152 Fostering Creativity fall term only ECE154 Children's Literature and Literacy fall term only Term Credits: 15 Winter ECE135 Applied Child Development **Developmentally Appropriate Practices** ECE175 Preschool/Primary Development ECE163 Introductory Practicum total of 2 credits for completion (1 credit per term) ED170 Psychology of Human Relations PSY101 Personal Health HPF295 HF250 Term Credits: 16 Spring Infant/Toddler Development ECE161 ECE151 Guiding Children in Group Settings Child, Family and Community ECE246 ECE254 Preschool Curriculum and Environments ECE255/ECE256 Spring term only Introductory Practicum total of 2 credits for completion (1 credit per term) ED170 **COMM218** Interpersonal Communication **COMM115** or COMM111 **Term Credits: 17** Fall Check in with Advisor LIB101 Introduction to Information Literacy LIB127 ECE243 Promoting Child Health and Physical Development fall term only ECE245 Promoting Social/Emotional Development of Young Children ECE275 Equity, Diversity, and Inclusion in Education MTH63 Applied Algebra I BT160 or MTH60 **Term Credits: 14** Winter Practicum I and Seminar ECE261 permission required ECE265 Children at Risk The Early Childhood Professional ECE285 winter term only **English Composition I** WR121 BT114 **Term Credits: 13** Spring ECE241 **Promoting Cognitive Development** spring term only

FCF244	Observation and Assessment	
ECE248	Children with Disabilities and Their Families	spring term only
ECE266	Spanish for Early Childhood/ Elementary Professionals	1 3 3
ECE262	Advanced Practicum II and Seminar	permission required
	Term Credits: 15	
1 Approved C	Computer Information Science or Computer Science class, CIS120/CS120 or above, or docur	nented computer proficiency within the past ten years.
For more informat	tion, contact the Early Childhood and Elementary Education Department.	
Phone		
Email		<u>ECEInfo@roguecc.edu</u>
Web address		
πν		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 Completion Program was developed as a cooperative venture between SOU and RCC. This degree 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 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 ECE300 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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Early Childhood Development Transfer to Southern Oregon University are:

Implement strategies that promote child development for ages birth through age 8 and learning across developmental domains relevant to the child's relational and cultural environments.

Apply strategies that build and sustain family and community partnerships, reflecting the complex characteristics of children's families and communities to support successful early childhood outcomes.

Implement developmentally, culturally, and linguistically appropriate teaching practices for children ages birth through age 8.

Use academic content knowledge to build developmentally appropriate curriculum that promotes positive outcomes for each child.

Apply different observation methods to inform instruction and planning reflective of children's developmental, cultural, and linguistic needs.

Use professional communication skills to support and advocate for children and families as a member of the early childhood field.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

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 ECEE Department Requirements. Completed forms must be submitted to a department administrative assistant.

Students must also obtain an RCC student identification card. RCC photos will be taken on a scheduled basis through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an ECEE advisor for additional information.

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, <u>www.socfc.org</u>. Click on "Volunteer" and then on "Download Volunteer Packet." 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 the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

ECEInfo@roquecc.edu

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address:

103-106

Course No.	Course Title	Alternate Course	Comments
Program	Prereguisites		
WR115	Introduction to Expository Writing		or designated placement score
CIS120	Concepts in Computing I 1		Required for graduation
MTH96	Applied Algebra II	MTH95	or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
ECE163	Preschool/Primary Development		
ECE152	Fostering Creativity		fall term only
ECE154	Children's Literature and Literacy		fall term only
PSY101	Psychology of Human Relations		
BI101	Introduction to Biology I	GS104	or approved Science Lab transfer course
DIAGAI			(credits vary)
BIJOIL	Introduction to Biology I Lab	GS104L	or approved Science Lab transfer course
	Term Credits: 16		
Winter			
ECE100	Introduction to Early Childhood Education		winter term only
ECE151	Guiding Children in Group Settings		,
ED170	Introductory Practicum		total of 2 credits for completion (1 credit/term)
WR121	English Composition I		
MUS108	Music in World Cultures	MUS201	or approved Humanities transfer course (credits vary)
	Term Credits: 15		
Spring			
ECE161	Infant/Toddler Development		
ECE175	Developmentally Appropriate Practices		
ECE254	Preschool Curriculum and Environments	ECE255	spring term only
ED170	Introductory Practicum		total of 2 credits for completion (1 credit/term)
WR122	English Composition II		
	Term Credits: 14		

Summer			
ECE265	Children at Risk	ECE248	
GEOGTTO HE250	Introduction to Human Geography Personal Health	HPF295	
LIB127	Introduction to Academic Research		
REL201	World Religions	REL243	or approved Humanities transfer course (credits vary)
	Term Credits: 15		
Fall	Check in with Advisor		
ECE243 ECE245 ECE246	Promoting Child Health and Physical Develop Promoting Social/Emotional Development of Y Child, Family and Community	ment ′oung Children	fall term only
GS104	Physical Science: Physics	G101	or approved Science Lab transfer course
GS104L	Physical Science: Physics Lab	G101L	(credits vary) or approved Science Lab transfer course (credits vary)
	Term Credits: 13		
Winter			
ECE244	Observation and Assessment		online only course
COMM218	Interpersonal Communication	COMM115	or COMM111 or COMM225
ECE285 MTH243	The Early Childhood Professional Probability and Statistics 2		online winter term only or approved Math course: MTH2/3R for pop.STEM
WIT1243			students (who have not taken MTH95/96).
ENV111	Introduction to Environmental Science	BI100SB	or approved Science transfer course
			(credits vary)
<b>C</b>	lerm Credits: 17		
Spring FCF241	Promoting Cognitive Development		spring term only
ECE266	Spanish for Early Childhood/Elementary Profes	ssionals	Spring term only
ECE275	Equity, Diversity, and Inclusion in Education		
ECE261	Practicum I and Seminar	5110404	Permission required
PHL103	Critical Reasoning	ENG104	or approved Humanities transfer course (credits vary)
	Term Credits: 16		
Approved	Math Electives		
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
			4
(complete at least	three courses from the following list, 9-12 cre	dits)	
Course No.	Course Title		Credits
ART131	Introduction to Drawing		3
ARI204,205,206	History of Art I, II, III	unication	4-4-4 A
FNG104	Introduction to Literature (Fiction)	unication	4
ENG105	Introduction to Literature (Drama)		4
ENG106	Introduction to Literature (Poetry)		4
ENG107	World Literature: Ancient to Classica	al	4
ENG108 FNG109	wond Literature: Medieval to Kena World Literature: Enlightenment to	Modern	4 Л
ENG201,202	Shakespeare I, II	monorm	4-4
ENG204	Introduction to English Literature: N	ledieval to Renaissance	4
ENG205	Introduction to English Literature: 1	8th Century to Romantic	4
ENG206	Introduction to English Literature: V	rictorian to Modern	4
			223

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ENG253	Survey of American Literature: Colonial	Λ
ENG253	Survey of American Literature: 19th Century	т Д
ENG255	Survey of American Literature: 20th Century	Д
ENG255	African American Literature	т Д
ENG260	Introduction to Women Writers	4
ENG275	The Rible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
IS110	Introduction to International Studies	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Western Music	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music: II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

Approved Science/Lab Science Electives (Complete at least three courses, two of which must have labs, from the following list for a total of 11 credits. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CHEM221,222,223	General Chemistry I, II, III w/lab and Recitation	5-5-5
CIS195	Web Authoring I (HTML/CSS) (non-lab course)	4
ENV111	Introduction to Environmental Science (non-lab course)	3
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies w/lab	4
PH201,202,203	General Physics I, II, III w/lab and Recitation	5-5-5
PH211,212,213	General Physics (Calculus Based) I, II, III w/lab and Recitation	5-5-5

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

2 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. For more information, contact the Early Childhood and Elementary Education Department:

Phone	
Email	ECEInfo@roquerc.edu
Web address	
πν	Oregon Telecom Delay Canico 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. It 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 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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Elementary Education Transfer to Southern Oregon University are:

Implement strategies that promote child development for elementary school-aged children and learning across developmental domains relevant to the child's relational and cultural environments.

Apply strategies to build and sustain family and community partnerships, reflecting the complex characteristics of children's families and communities to support successful outcomes for elementary school-aged children.

Implement developmentally, culturally, and linguistically appropriate teaching practices for elementary school-aged children.

Use academic content knowledge to build developmentally appropriate curriculum that promotes positive outcomes for each child.

Apply different observation methods to inform instruction and planning reflective of children's developmental, cultural, and linguistic needs

Use professional communication skills to support and advocate for children and families as a member of the elementary education field.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

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 ECEE Department Requirements. 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 through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with your ECEE advisor for additional information.

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, <u>www.socfc.org</u>. Click on "Volunteer" and then on "Download Volunteer Packet." 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**

TOTAL PROGRAM CREDITS

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 courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

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Program email a	address: <u>ECEInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program I	Prerequisites		
MTH96	Applied Algebra II <sup>1</sup>	MTH95	or designated placement score
WR115	Introduction to Expository Writing		or designated placement score
CIS120	Concepts in Computing I <sup>2</sup>		Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
ED200	Introduction to Teaching	ECE100	fall term only
ED225	Child Development	ECE163	fall term only
LIB127	Introduction to Academic Research		
COMM218	Interpersonal Communication	COMM115	or COMM111 or COMM225
GS104	Physical Science: Physics	G101	or approved Physical Lab Science transfer
			course (credits vary)
GS104L	Physical Science: Physics Lab	G101L	or approved Physical Lab Science transfer
			course (credits vary)
	Term Credits: 15		
Winter			
ECE151	Guiding Children in Group Settings		
ED170	Introductory Practicum		total of 3 credits for completion (1 credit per term)
WR121	English Composition I		
MUS108	Music in World Cultures	MUS201	or approved Humanities transfer course
			(credits vary)
HST202	U.S. History: Post-Reconstruction to Present	HST105	or approved History transfer course
			(credits vary)
	Term Credits: 16		
Spring			
ECE266	Spanish for Early Childhood/Elementary Professi	onals	
ED170	Introductory Practicum		total of 3 credits for completion (1 credit per term)
WR122	English Composition II		
BI101	Introduction to Biology I	BI103	or approved Life Lab Science transfer course
DIAGAL		DIAGO	(credits vary)
RIJOJT	Introduction to Biology I Lab	RIJO3L	or approved Life Lab Science transfer course
ENG104	Introduction to Literature (Fiction)	ENG100	(Credits Vary) or approved Humanitics, Literature
			transfer course (credits varv)
	Torm Cradite: 16		

Fall	Check-in with Advisor		
ECE240	Play-Based Learning in Elementary Schools		
ECE245	Promoting Social/Emotional Development of You	ng Children	
ED170	Introductory Practicum	-	total of 3 credits for completion
			(1 credit per term)
MTH211	Fundamentals of Elementary Math I <sup>3</sup>		
ART206	History of Art III	ART205	or approved Humanities transfer course (credits vary)
	Term Credits: 15		
Winter			
ECE244	Observation and Assessment		
ECE256	Primary Curriculum		winter term only
GEOG110	Introduction to Human Geography		
MTH212	Fundamentals of Elementary Math II <sup>3</sup>		
ENV111	Introduction to Environmental Science	BI100SB	or approved Science transfer course (credits vary)
	Term Credits: 17		
Spring			
ECE246	Child, Family and Community		
ECE248	Children with Disabilities and Their Families	ECE265	spring term only
ECE275	Equity, Diversity, and Inclusion in Education		
PSY202	General Psychology II	HE250	or HPE295
	Term Credits: 13		

**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.)

Course No.	Course Title	Credits
ART131	Introduction to Drawing (Value)	3
ART204,205,206	History of Art I, II, III	4-4-4
COMM115	Introduction to Intercultural Communication	4
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music history	4
MUS205	History of Jazz	3

Introduction to Rock Music	3
Film Music	3
History of Western Music I: Ancient to Baroque	4
History of Western Music: II: Classical to Romantic	4
History of Western Music III: 20th Century to Modern Day	4
History of Rock I: The Roots of Rock	3
History of Rock II: Rock's Golden Age	3
History of Rock III: Heavy Metal to Hip Hop	3
Philosophical Problems/Ethics/Critical Reasoning	4-4-4
World Religions	4
Nature, Religion and Ecology	4
Second Year Spanish I, II, III	4-4-4
Fundamentals of Acting	4
Imaginative Writing I, II, III	4-4-4
	Introduction to Rock Music Film Music History of Western Music I: Ancient to Baroque History of Western Music: II: Classical to Romantic History of Western Music III: 20th Century to Modern Day History of Rock I: The Roots of Rock History of Rock II: Rock's Golden Age History of Rock III: Heavy Metal to Hip Hop Philosophical Problems/Ethics/Critical Reasoning World Religions Nature, Religion and Ecology Second Year Spanish I, II, III Fundamentals of Acting Imaginative Writing I, II, III

### **Approved Social Science Electives**

(Complete at least one history course, a minimum of 4 credits, from the following list.)

Course No.	Course Title	Credits
HST104	World Civilizations: Prehistory - Middle Ages	4
HST105	World Civilizations: Byzantium - Present	4
HST201	U.S. History through Reconstruction	4
HST202	U.S. History: Post-Reconstruction - Present	4

### **Approved Science/Lab Science Electives**

(Complete at least three courses, 11-13 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. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CHEM104	Introductory Chemistry w/lab and Recitation	5
CHEM105	Introductory Organic Chemistry w/lab	4
CHEM106	Introductory Biochemistry w/lab	4
CIS195	Web Authoring I (HTML/CSS) (non-lab course)	4
ENV111	Introduction to Environmental Science (non-lab course)	3
G100	Fundamentals of Geology (non-lab course)	3
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies w/lab	4

1 MTH96 is not accepted as a pre-requisite for MTH211 at Southern Oregon University as it is at Rogue Community College. Students intending to take MTH211 at SOU, who take MTH96, will need to take the SOU Placement Test to determine that they have met the prerequisite.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

3 MTH213 highly recommended for transfer.

For more information, contact the Early Childhood and Elementary Education Department:	
Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

### FAMILY SUPPORT SERVICES

### **Family Support Services**

**Career Pathway Certificate** 

### About the Program

The Family Support Services four-term 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.

Some courses in this program may not transfer to other institutions. Students intending to transfer should seek advisor assistance to determine transferability.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Family Support Services Career Pathway Certificate are:

Explain the benefits of a two-generation approach in creating healthy, stable, and attached families.

Describe strategies to build positive reciprocal relationships with families as the foundation of supporting growth and development.

Explain the importance of fostering family and community engagement to promote children's positive development.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students must also obtain an RCC student identification card. RCC photos will be taken on a scheduled basis through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an Early Childhood and Elementary Education advisor for additional information.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Early Childhood and Elementary Education Department chair's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the Early Childhood and Elementary Education Department chair to determine placement.

### **Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of "C" or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

### TOTAL PROGRAM CREDITS

Program email address: <u>FamilySupportServicesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
<b>Program</b>	Prerequisites		
RD90 WR90	College Reading Fundamentals of Composition	WR91 WR91	or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-8		
Fall	Check in with Advisor		
WR115 ECE125	Introduction to Expository Writing Early Childhood Development	BT113	or higher-level composition

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PSY101	Psychology of Human Relations		
	Term Credits: 9		
Winter			
HS155 PSY201	Interviewing Theory and Techniques General Psychology I		winter term only
	Term Credits: 8		
Spring			
ECE242 ECE275	Parenting Education and Family Support Equity, Diversity, and Inclusion in Education	SOC213	spring term only
HS158	Trauma-informed Care: Theory and Practice		spring term only
	Term Credits: 9		
Fall	Check-in with Advisor		
HS200 HS201	Child Abuse and Neglect Family Dynamics		fall term only fall term only
	Term Credits:6		
For more informati	on, contact the Family Support Services Department:		
Phone			
Email			FamilySupportServicesInfo@roguecc.edu
Web address			
ΠΥ			Oregon Telecom Relay Service, 711

### **Family Support Services**

### **Certificate of Completion**

### About the Program

The Family Support Services four-term 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 out-reach 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.

Some courses in this program may not transfer to other institutions. Students intending to transfer should seek advisor assistance to determine transferability.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Family Support Services Certificate of Completion are:

Explain the benefits of a two-generation approach in creating healthy, stable, and attached families.

Describe strategies to build positive reciprocal relationships with families as the foundation of supporting growth and development.

Explain the importance of fostering family and community engagement to promote children's positive development.

Describe effective collaboration with other agencies and organizations to support and advocate for children and families.

Explain ethical decision-making principles and practices within the helping relationship.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC Early Childhood and Elementary Education Department website and clicking on ECEE Department Requirements.

Students must also obtain an RCC student identification card. RCC photos will be taken on a scheduled basis through Student Affairs. Contact Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an Early Childhood and Elementary Education advisor for additional information.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Early Childhood and Elementary Education Department Chair's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the Early Childhood and Elementary Education Department chair to determine placement.

### **Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of "C" or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

### TOTAL PROGRAM CREDITS

ΠΥ

52-55

Program email address: <u>FamilySupportServicesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
CIS120 RD90 WR90 MTH20	Concepts in Computing I <sup>1</sup> College Reading Fundamentals of Composition Pre-algebra	WR91 WR91	Required for graduation or designated placement score or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-14		
Fall	Check in with Advisor		
ECE125 WR115 PSY101	Early Childhood Development Introduction to Expository Writing Psychology of Human Relations	BT113	or higher-level composition course
SOC243	Drugs, Crime and Addiction	CJ243	
	Term Credits:	13	
Winter			
ECE265 HS155 MTH63 PSY201	Children at Risk Interviewing Theory and Techniques Applied Algebra I General Psychology I	MTH60	winter term only or BT160 or higher-level math
	Term Credits: 15		
Spring			
ECE151 ECE242 ECE275 HS158	Guiding Children in Group Settings Parenting Education and Family Support Equity, Diversity, and Inclusion in Education Trauma-informed Care: Theory & Practice	SOC213	spring term only spring term only
	Term Credits: 12		
Fall	Check-in with Advisor		
ECE258 HS200 HS201 PSY215	Early Childhood Home Visitation Child Abuse and Neglect Family Dynamics Lifespan Human Development	HS261C/ ECE245	fall term only fall term only fall term only
	Term Credits: 13		
1 Approved Com For more information, Phone	puter Information Science or Computer Science class, CIS120 contact the Family Support Services Department.	) or above, or documented computer profic	iency within the past ten years. 541.956-7500
Email			
Web address			

### **Family Support Services**

### Associate of Applied Science Degree

### About the Program

The Family Support Services program is designed to provide pre-employment training and education for entry-level family support workers through classroom studies and practical training. Graduates may serve families as family advocates, home visitors, parent educators, or family outreach workers, among other occupations. Coursework for this program spans the disciplines of human services and early childhood development to provide a strong base for work with children and families in a variety of settings. It is designed to accommodate both full- and part-time students and those currently employed in the field. Embedded within the program is training which meets requirements for community health worker certification through the Oregon Health Authority.

Some courses in this program may not transfer to other institutions. Students intending to transfer should seek advisor assistance to determine transferability.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Family Support Services Associate of Applied Science are:

Demonstrate understanding of a two-generation approach in creating healthy, stable, and attached families.

Demonstrate strategies to build positive reciprocal relationships with families as the foundation of supporting growth and development.

Develop strategies to engage families in the support of their children's developmental characteristics and needs within the context of their environment.

Participate in effective collaboration with other agencies and organizations to support and advocate for children and families.

Utilize reflective practices to apply ethical decision-making principles within the helping relationship.

Function effectively as a member of a team in providing comprehensive services for children and families.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

Students are also required to provide information regarding their measles immunization status by completing the form found on the RCC Early Childhood and Elementary Education Department website and clicking on ECEE Department Requirements.

Students must also obtain an RCC student identification card. RCC photos will be taken on a scheduled basis through Student Affairs. For more information, go to <u>www.roguecc.edu/VSC/</u>. 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.

Many courses in this department require participation in community schools, programs, and agencies for observation and practicum experiences. Some of these sites may require a background check in order for a student to participate. Future employment serving children and families will require a background check. Students may wish to consider going through a background check process to be ready for potential observation, practicum, and employment experiences – check with an Early Childhood and Elementary Education advisor for additional information.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Early Childhood and Elementary Education Department chair's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with the Early Childhood and Elementary Education Department chair to determine placement.

### **Graduation Requirements**

To graduate, students must complete all courses in this program with a grade of "C" or better. Certain prerequisite courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

92-93

### TOTAL PROGRAM CREDITS

Program email address: <u>FamilySupportServicesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
<b>Program Pro</b>	erequisites		
CIS120	Concepts in Computing I <sup>1</sup>		Required for graduation
WR115	Introduction to Expository Writing	BT113	or designated placement score
MTH20	Pre-algebra		or designated placement score

	Prerequisites - credits vary based on Placement Score(s): 0-9		
Fall	Check in with Advisor		
ECE125 LIB101 PSY101	Early Childhood Development Introduction to Information Literacy Psychology of Human Relations	LIB127	
SOC243 WR121	Drugs, Crime and Addiction English Composition I	CJ243 BT114	
	Term Credits: 15		
Winter	Guiding Children in Group Settings		
MTH63 HS155 PSY201 HS175	Applied Algebra I Interviewing Theory and Techniques General Psychology I Ethics for Counselors	BT160	or MTH60 winter term only winter term only
	Term Credits: 16		
Spring			
ECE275 HC100 HS158 PSY215	Equity, Diversity, and Inclusion in Education Community Health Worker Trauma-informed Care: Theory and Practice Lifespan Human Development	SOC213	spring term only
	Term Credits: 16		
Fall	Check in with Advisor		
ECE258 HS200 HS201 HS210 HS261C	Early Childhood Home Visitation Child Abuse and Neglect Family Dynamics Motivational Interviewing Human Services Practicum and Seminar		fall term only fall term only fall term only fall term only total of 10 credits for completion
	Term Credits: 15		
Winter			
ECE245 ECE265 HS260 HS261C HS266	Promoting Social/Emotional Development of You Children at Risk Group Counseling Human Services Practicum and Seminar Crisis Intervention Strategies	ung Children	winter term only total of 10 credits for completion winter term only
	Term Credits: 16		
<b>Spring</b> COMM218 ECE242 HS261D HE250	Interpersonal Communication Parenting Education and Family Support Human Services Practicum and Seminar Personal Health	COMM115 HPE295	or COMM111 or COMM100 spring term only total of 10 credits for completion
	Term Credits: 14		
1 Approved Con For more information	nputer Information Science or Computer Science class, CIS12 , contact the Family Support Services Department.	0 or above, or documented computer p	roficiency within the past ten years.
Email			FamilySupportServicesInfo@roguecc.edu
Web address			

### HUMAN SERVICES

### Sustainable Community Development

**Focus Award** 

### About the Program

The Sustainable Community Development focus award (18-22 credits) provides students with the knowledge, skills and experiences that will allow them to play a vital role in developing and strengthening their communities in the twenty-first century. Diversity and sustainability are issues that present great challenges as well as incredible opportunities to create strong, thriving communities that meet the needs of their members and the environment.

Community development includes nurturing the integration of diverse groups to work together for common interests and the expansion of sustainable practices. Community development is studied holistically, including learning communication skills, how to effectively utilize the diversity inherent in American communities, and how people can live sustainably.

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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Sustainability Focus Award are:

Community Engagement: Demonstrate the ability to communicate effectively within a group setting. Demonstrate knowledge of community issues, needs, strengths, problems and resources.

Diversity: Analyze the relationship between diversity and social inequality and demonstrate knowledge of ways diverse groups can work together.

Sustainability: Apply the concept of sustainability in examining human relationships with the environment and identify sustainable solutions to environmental problems.

At least six of the credits of the Focus Award must be completed at RCC.

### **Required Courses**

Course No.	Course Title	Credits
SOC213	Race and Ethnicity in the U.S., or	
	SOC218 Sociology of Gender	4
SOC228	Environment and Society	4
SRV101	Service Learning	1
TOTAL REQUIR	ED CREDITS	9

#### Electives

(Choose elective courses from the following):

#### **Community Engagement (3-4 credits minimum)**

Course No.	Course Title	Credits
BA214	Business Communications	4
COMM111	Fundamentals of Public Speaking	4
COMM115	Introduction to Intercultural Communication	4
COMM218	Interpersonal Communication	4
ED120, 121, 122	Leadership I, II, III	1-1-1
WR227	Technical Writing	4
	Cooperative Work Experience as approved within major <sup>1</sup>	3

#### **Diversity (one class, 3-4 credits)**

Course No.	Course Title	Credits
ANTH110	Introduction to Cultural Anthropology	4
CJ214	Crime, Justice and Diversity	4
COMM237	Communication and Gender	4
ECE275	Anti-bias Education	3
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
234		

HUM219	Native American Arts and Cultures: Peoples of Mexico	4
IS110	Introduction to International Studies	4
REL201	World Religions	4
REL243	Nature, Religion and Ecology (if not taken as Sustainability elective)	4
SOC213	Race and Ethnicity in the U.S. (if not taken as part of Required)	4
SOC218	Sociology of Gender (if not taken as part of Required)	4
SOC235/HST259	The Chicano/Latino Historical Experience	4
	Cooperative Work Experience as approved within major <sup>1</sup>	3

#### Sustainability (one class, 3-5 credits)

Course No.	Course Title	Credits
BI213	General Biology III with lab	4
EET113	Exploration of Alternative Energies (may not transfer)	
3EET118	Introduction to Renewable Energy Systems (may not transfer)	5
ENV111	Introduction to Environmental Science	3
GEOG100	Introduction to Physical Geography	3
GEOG110	Introduction to Human Geography	4
REL243	Nature, Religion and Ecology	
	(if not taken as Diversity elective)	4
	Cooperative Work Experience classes as approved within major 1	3
TOTAL ELECTIV	E CREDITS	9-13

### TOTAL ELECTIVE CREDITS

### TOTAL FOCUS AWARD CREDITS

Note: This focus award is not a formal, transcripted degree or certificate but recognizes student achievement in a specific topic or theme. Focus awards may be earned in combination with a certificate or degree. Classes are lower division collegiate courses (except where noted) that may transfer to a variety of programs at a four-year college or university as elective credits, program requirements, and/or graduation requirements for the receiving institution. Students are encouraged to check with the receiving institution and their RCC academic advisor for the most accurate transfer requirement information.

1 A maximum of three 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:	
Phone	
Email	
Web address.	
ΠΥ	Oregon Telecom Relay Service, 711

# Alcohol and Drug Counselor

**Certificate of Completion** 

### About the Program

Alcohol and Drug Counselor is a five-term certificate program. It is designed for individuals who have completed a bachelor's degree and need further coursework to complete the educational requirements needed to become a Certified Alcohol and Drug Counselor (CADC). In addition to coursework, CADC certification requires 1,000 hours in the field and a passing score on the CADC exam. CADC status is a basic requirement for employment in the addictions field. Because some courses are offered only once per year, students may not be able to complete all requirements in a calendar year.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Alcohol and Drug Certificate of Completion are:

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.

Practice therapeutic alliance and establish rapport with clients.

Demonstrate clinical skills.

Demonstrate specific skills in active listening with co-occurring mental health and addiction disorders.

### **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, <u>www.roguecc.edu/humanservices</u>. Students should be aware that certain prerequisites may apply for core course requirements.

18-22

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 of sobriety. More information is available from the Human Services Department.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Human Services Department Coordinator's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Human Services Department advisor to determine placement.

### **Graduation Requirements**

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 certificates. Seven credits (231 hours) of documented practicum experience in an alcohol and drug treatment agency setting, supervised by a professional, is required.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

51-52

### TOTAL PROGRAM CREDITS

Program email a	address: <u>HumanServicesInfo@roguecc.ed</u>	<u>u</u>	
Course No.	Course Title	Alternate Course	Comments
Program I	Prerequisites <sup>1</sup>		
COMM111 MTH63	Fundamentals of Public Speaking Applied Algebra I	MTH60	Required for graduation Required for graduation; or higher-level math
PSY101 WR121 CIS120	Psychology of Human Relations English Composition I Concepts in Computing I <sup>2</sup>		Required for graduation Required for graduation Required for graduation
	Prerequisites - credits vary based o Placement Score(s): 15-17	1	
Fall	Check in with Advisor		
HS100 HS170 SOC243 HS210	Introduction to Human Services Introduction to Practicum Drugs, Crime and Addiction Motivational Interviewing		fall term only fall term only fall term only
	Term Credits: 13		,
Winter			
HS155 HS175 HS260 HS268 HS261B	Interviewing Theory and Techniques Ethics for Counselors Group Counseling Co-Occurring Disorders: Introductory Theor Human Services Practicum and Seminar	y and Counseling	winter term only winter term only winter term only winter term only 7 credits required for program
	Term Credits: 14		
Spring			
HE208 HS115 HS158 HS202 HS261B SOC230	HIV and Infectious Diseases Principles of Client Record Management Trauma-informed Care: Theory and Practice Counseling Chemically Dependent Client Human Services Practicum and Seminar Introduction to Gerontology	PSY228/PSY231	fall/spring term only spring term only spring term only spring term only 7 credits required for program (only one program course approved)
	Term Credits: 14		
Fall	Check in with Advisor		
PSY219 SOC213 HS261C	Introduction to Abnormal Psychology Race and Ethnicity in the U.S. Human Services Practicum and Seminar		Requires prerequisite PSY201
1152010	Term Credits: 11		

1 May include additional classes based on placement scores.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years. For more information, contact the Human Services Department:

Phone	
Email	
Web address.	
ΠΥ	

### **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 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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Human Services Associate of Applied Science are:

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.

Practice therapeutic alliance and establish rapport with clients.

Demonstrate clinical skills.

Demonstrate specific skills in active listening with co-occurring mental health and addiction disorders.

Function effectively as a member of a team in providing services and working collaboratively among agencies and organizations.

### **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 Process.

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 <u>www.roguecc.edu/humanservices</u>.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the Human Services Department Coordinator's approval. In order to ensure that coursework is current, social science courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core require¬ments. Each College Now credit student must meet with a faculty member to determine placement.

### **Graduation Requirements**

Students completing the required credits in this program with a grade of "C" or better and passing the counseling skills competency requirement as demonstrated through a series of videotaped counseling interviews will receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. A total of 528 hours of documented practicum (16 credits) is required. A minimum of three practicum seminars must also be completed.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

### TOTAL PROGRAM CREDITS

Program email address: <u>HumanServicesInfo@roguecc.edu</u>

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Course No.	Course Title	Alternate Course	Comments
Program	Prereguisites <sup>1</sup>		
COMM111	Fundamentals of Public Speaking		Required for graduation
MTH63	Applied Algebra I	MTH60	Required for graduation;
			BT160 AAS Degree Only,
501404			or higher-level math
PSY101	Psychology of Human Relations		Required for graduation
	English Composition I		Required for graduation
CI3120			Required for graduation
	Prerequisites - credits vary based on		
	Placement Score(s): 15-17		
Fall	Check in with Advisor		<u> </u>
HS100	Introduction to Human Services		fall term only
HS170	Introduction to Practicum		fall term only
	General Psychology I		
500243	Drugs Crime and Addiction		
300243	Torres Croditor 17		
	lerm Credits: 17		
Winter			
HS144	Introduction to Assertiveness		winter term only
HS152	Stress Management		winter term only
	Ethics for Counselors		winter term only
	Ellines for Courselors Human Services Practicum and Seminar		16 total credits required (credits may yary by term)
PSY215	Lifespan Human Development		to total cleares required (cleares may vary by term)
131213	Torm Credites 14		
	ierm Credits: 14		
Spring			
HE208	HIV and Infectious Diseases		1 / 4 - 4 - 1
	Ruman Services Practicum and Seminar Principles of Client Record Management		ro total credits required (credits may vary by term)
	Trauma-informed Care: Theory and Practice		spring term only
HS202	Counseling Chemically Dependent Client		spring term only
PSY228	Introduction to Positive Psychology		Spring term only
	Term Credits: 16		
Call	Chack in with Advisor		
HS200	Child Abuse and Neglect		fall term only
HS200	Family Dynamics		fall term only
HS210	Motivational Interviewing		fall term only
HS261C	Human Services Practicum and Seminar		16 total credits required (credits may vary by term)
PSY219	Introduction to Abnormal Psychology		
	Term Credits: 16		
Winter			
HS260	Group Counseling		winter term only
HS261C	Human Services Practicum and Seminar		16 total credits required (credits may vary by term)
HS266	Crisis Intervention Strategies		winter term only
HS268	Co-Occurring Disorders: Introductory Theory Ar	nd Counseling	winter term only
SOC230	Introduction to Gerontology		
	Term Credits: 17		
Spring			
HE261	CPR/Basic Life Support Provider		
HS261C	Human Services Practicum and Seminar		16 total credits required (credits may vary by term)
HS265	Counseling Theories		spring term only
SOC213	Race and Ethnicity in the U.S.	SOC218/SOC235	
	Term Credits: 11		

1 May include additional classes based on placement scores.

2 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years. For more information, contact the Human Services Department:

Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

# Human Services Transfer to Southern Oregon University

### Associate of Science Degree

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 articulated with SOU's Human Service program.

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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Human Services Transfer to Southern Oregon University are:

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.

Practice therapeutic alliance and establish rapport with clients.

Demonstrate clinical skills.

Demonstrate specific skills in active listening with co-occurring mental health and addiction disorders.

Incorporate knowledge about the interrelated effects of addictions, poverty, mental and physical illness, and homelessness on family dynamics and intimate relationships.

### **Entry Requirements**

Students are required to complete the Placement Process 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 through the Placement Process.

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, <u>www.roguecc.edu/humanservices</u>.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and the department coordinator's approval. In order to ensure that coursework is current, program courses over seven years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements. Each College Now credit student must meet with a Human Services Department advisor to determine placement.

### **Graduation Requirements**

Students must successfully complete all credits in this program with a grade of "C" or better and passing the counseling skills competency requirement as demonstrated through a series of videotaped counseling interviews, to receive their degrees. A total of 264 hours (8 credits) of documented practicum is required and a minimum of two practicum seminars must also be completed. For admission to the SOU Human Services program, RCC students who begin this degree fall term 2017 or later must earn a minimum grade of "C" in, MTH243, PSY201, PSY202, SOC204 and WR122.

Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

92-95

transfer course (credits vary)

#### **TOTAL PROGRAM CREDITS**

Program email address: <u>HumanServicesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
<b>Program I</b> CIS120 COMM111 MTH63 PSY101 WR121	Prerequisites Concepts in Computing I <sup>1</sup> Fundamentals of Public Speaking Applied Algebra I <sup>3</sup> Psychology of Human Relations English Composition I	MTH60	Required for graduation Required for graduation or higher-level math Required for graduation Required for graduation
	Prerequisites credits vary based on Placement Score(s): 11-17		
Fall	Check in with Advisor		
HS100 HS170 SOC243 MTH243	Introduction to Human Services Introduction to Practicum Drugs, Crime and Addiction Probability and Statistics <sup>2</sup>	CJ243	fall term only fall term only MTH243R-for non-STEM students (who have not taken MTH95/96).
	Term Credits: 14		
Winter			
HS152 HS155 HS175 HS261D PSY201	Stress Management Interviewing Theory and Techniques Ethics for Counselors Human Services Practicum and Seminar General Psychology I		winter term only winter term only winter term only
	Term Credits: 14		
<b>Spring</b> HE208 HS115 HS202 HS261D HS158 PSY202	HIV and Infectious Diseases Principles of Client Record Management Counseling Chemically Dependent Client Human Services Practicum and Seminar Trauma-informed Care: Theory and Practice General Psychology II Term Credits: 16		fall/spring term only spring term only spring term only spring term only
Fall	Check in with Advisor		
HS200 HS210 BI101 BI101L MUS208	Child Abuse and Neglect Motivational Interviewing Introduction to Biology I Introduction to Biology I Lab Film Music	COMM115	fall term only fall term only or approved Science transfer course (credits vary) or approved Science transfer course (credits vary) or approved Humanities transfer course (credits vary)
	Term Credits: 13		
Winter			
HS260 HS268 WR122 BI102	Group Counseling Co-Occurring Disorders: Introductory Theory and Cou English Composition II Introduction to Biology II w/ lab	unseling WR227 GS104	winter term only winter term only WR122 recommended or approved Science
BI102L	Introduction to Biology II Lab	GS104L	transfer course (credits vary) or approved Science

240

MUS206 Introduction to Rock Music

MUS201

or approved Humanities transfer course (credits vary)

Term	Credits:	18
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Spring			
HS265	Counseling Theories		spring term only
SOC204	Introduction to Sociology		1 0 9
SOC230	Introduction to Gerontology		
BI100SB	Biology of Human Body Systems	GEOG100/GS107	or approved Science transfer course (credits vary)
REL243	Nature, Religion and Ecology	PHL103	or approved Humanities
			transfer course (credits vary)

#### **Term Credits: 18**

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years. 2 MTH95 or MTH96 prerequisite required before enrolling in MTH243.

### **Approved Humanities Electives**

(Complete at least three courses from the following list, 9-11 credits.)

Course No.	Course Title	Credits
ART131	Introduction to Drawing	3
ART204,205,206	History of Art I, II, III	4-4-4
COMM115	Introduction to Intercultural Communication	4
ENG104	Introduction to Literature (Fiction)	4
ENG105	Introduction to Literature (Drama)	4
ENG106	Introduction to Literature (Poetry)	4
ENG107	World Literature: Ancient to Classical	4
ENG108	World Literature: Medieval to Renaissance	4
ENG109	World Literature: Enlightenment to Modern	4
ENG201,202	Shakespeare I, II	4-4
ENG204	Introduction to English Literature: Medieval to Renaissance	4
ENG205	Introduction to English Literature: 18th Century to Romantic	4
ENG206	Introduction to English Literature: Victorian to Modern	4
ENG253	Survey of American Literature: Colonial	4
ENG254	Survey of American Literature: 19th Century	4
ENG255	Survey of American Literature: 20th Century	4
ENG257	African American Literature	4
ENG260	Introduction to Women Writers	4
ENG275	The Bible as Literature	4
HUM101	Introduction to Humanities: Classical to Medieval	4
HUM102	Introduction to Humanities: Renaissance to Enlightenment	4
HUM103	Introduction to Humanities: Romanticism to 20th Century	4
HUM215	Native American Arts and Cultures: Eskimo/Inuit	4
HUM216	Native American Arts and Cultures: First Nations of the Northwest Coast	4
HUM217	Native American Arts and Cultures: Nations of the Plains	4
HUM218	Native American Arts and Cultures: Nations of the Southwest	4
HUM219	Native American Arts and Cultures: Peoples of Mexico	4
MUS105	Music Appreciation	3
MUS108	Music in World Cultures	4
MUS201	Exploring Music: Introduction to Music history	4
MUS205	History of Jazz	3
MUS206	Introduction to Rock Music	3
MUS208	Film Music	3
MUS261	History of Western Music I: Ancient to Baroque	4
MUS262	History of Western Music II: Classical to Romantic	4
MUS263	History of Western Music III: 20th Century to Modern Day	4
MUS264	History of Rock I: The Roots of Rock	3
MUS265	History of Rock II: Rock's Golden Age	3
MUS266	History of Rock III: Heavy Metal to Hip Hop	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
		241

TA141	Fundamentals of Acting	4
WR241,242,243	Imaginative Writing I, II, III	4-4-4

Approved Science/Lab Science Electives (Complete at least three courses from the following list, 11-12 credits – at least two courses must have labs. Note that only one course can be a regional field studies course indicated by asterisk.)

Course No.	Course Title	Credits
BI100SB	Biology of Human Body Systems (non-lab course)	3
BI101,102,103	Introduction to Biology I, II, III w/lab	4-4-4
BI121,122	Elementary Anatomy and Physiology I, II w/lab	4-4
BI211,212,213	General Biology I, II, III w/lab	4-4-4
BI231,232,233	Anatomy and Physiology I, II, III w/lab	4-4-4
BI234	Microbiology w/lab	4
CIS195	Web Authoring I (HTML/CSS) (non-lab course)	4
G100	Fundamentals of Geology (non-lab course)	3
G101,102,103	Introduction to Geology I, II, III w/lab	4-4-4
GEOG100	Introduction to Physical Geography (non-lab course)	3
GS104	Physical Science: Physics w/lab	4
GS107	Physical Science: Astronomy w/lab	4
GS108	Physical Science: Oceanography w/lab	4
GS170 *	Regional Field Studies w/lab	4
For more information, contact t	he Human Services Department:	
Phone	·	
Email		<u>HumanServicesInfo@roguecc.edu</u>
Web address		
ΠΥ		Oregon Telecom Relay Service, 711

### ASSOCIATE OF ARTS OREGON TRANSFER INTERESTS

### 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 students also consult with the transfer college of choice regarding specific prerequisites since requirements for an art major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

TOTAL PROGRAM CREDITS

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) or Bachelor of Fine Arts (BFA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor for any questions in preparing to complete your transfer degree.

Program email a	ddress:	VisualArtsandDesignInfo@roguecc.edu		
Course No.	Cour	se Title	Alternate Course	Comments
Program F CG100 MTH95 WR115	Prerec Collec Intern Introc	<b>uisites</b> ge Success and Survival nediate Algebra luction to Expository Writing		or designated placement score or designated placement score
	Prere Place	equisites - credits vary based on ement Score(s): 0-9		
Term 1	Chec	k in with Advisor		
ART131 ART204	Introc Histor	luction to Drawing (Value) y of Art I		or approved AAOT Humanities transfer course (credits vary)
COMM111 MTH105	Funda Introd	mentals of Public Speaking luction to Contemporary Math	COMM115/COMM218	or higher-level math
	Term	Credits: 15		
Term 2				
ART115 ART205	Basic Histor	Design (Composition) y of Art II		or approved AAOT Humanities
PE185CAC	Core a	and Cardio		or approved Fitness/Health/ Physical Education course
WR121 ANTH110	Englis Introc	h Composition I luction to Cultural Anthropology <sup>1</sup>		ANTH110 fulfills cultural literacy requirement, or approved AAOT Social Science course
	Term	Credits: 16		

Torm 2

ART281	Painting I	
ART206	History of Art III	or approved AAOT Humanities

transfer course (credits vary)

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WR122 PE185BPA	English Composition II Backpacking Adventure	WR227	or approved Fitness/Health/
NFM225	Nutrition		or approved AAOT Science transfer course
	Term Credits: 16		
<b>Term 4</b> BI101 BI101L ANTH150 SPAN101 MUS206	Check-in with Advisor Introduction to Biology I Introduction to Biology I Lab Introduction to Archaeology First Year Spanish I Introduction to Rock Music	SPAN201 MUS108/MUS201	or approved AAOT Lab Science course or approved AAOT Lab Science course or approved AAOT Social Science course or approved AAOT Humanities transfer course (credits vary)
Torm F	Term Credits: 15		
BI102 BI102L SPAN102 PE185ZUM HST104	Introduction to Biology II Introduction to Biology II Lab First Year Spanish II Zumba World Civilizations: Prehistony – Middle Ages 1	SPAN202	or approved AAOT Lab Science transfer course or approved AAOT Lab Science transfer course
1151104	Term Credits: 13		or approved Anor Social Science transier course
Torm 6	Term Credits. 15		
ART253 HST105	Ceramics I World Civilizations: Byzantium-Present 1		or approved AAOT Social Science
SPAN103	First Year Spanish III	SPAN203	
G103	Introduction to Geology III (Historical)	BI103	or approved AAOT Lab Science transfer course
G103L	Introduction to Geology III (Historical) Lab	BI103L	or approved AAOT Lab Science transfer course
	Term Credits: 15		
1 Meets cultural lite Note: Three cours For more information, co	eracy criteria (one course required). ses required in the Humanities category. Additiona ontact the Visual Arts and Design Department:	al courses would count as electives.	E / 1 0 E / 7 E 0 0

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### **Communication 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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Email . . . . . . . . .

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

90

Comments

or COMM201

(credits vary)

or designated placement score

or designated placement score

Required for Oregon Promise students

or G101 or approved AAOT Lab Science

or G101L or approved AAOT Lab Science

transfer course (credits vary)

transfer course (credits vary)

or approved AAOT Lab Science

or approved AAOT Lab Science transfer course (credits vary)

or HST201/202, SOC204/ 205/213/218, ANTH110

or approved AAOT Social Science course

transfer course (credits vary)

or other approved transferable general elective

Program email address: HumanitiesInfo@roguecc.edu **Course No. Course Title Alternate Course Program Prerequisites** MTH95 Intermediate Algebra MTH96 Introduction to Expository Writing WR115 Prerequisites - credits vary based on Placement Score(s): 0-7 Check in with Advisor Term 1 WR121 English Composition I MTH243 **Probability and Statistics** MTH105 CG100 College Success and Survival COMM111 Fundamentals of Public Speaking COMM115/COMM201/COMM218 PE185YOG Yoga Term Credits: 15 Term 2 WR122 English Composition II WR227 World Literature: Medieval to Renaissance 1 ENG108 or ENG104, 105, 106, 107, 109 COMM218 Interpersonal Communication COMM115<sup>1</sup> GS104 **Physical Science: Physics** BI101 GS104L Physical Science: Physics Lab BI101L Term Credits: 16 Term 3 **COMM115** Introduction to Intercultural Communication <sup>1</sup> COMM201/COMM218 Physical Science: Astronomy GS107 BI102/G102 GS107L Physical Science: Astronomy Lab BI102L/G102L

#### Term Credits: 12

General Psychology I

PSY201

**TOTAL PROGRAM CREDITS** 

Term 4	Check in with Advisor		
GS108	Physical Science: Oceanography		or GS106/107, BI101/102, G101/102
GS108L	Physical Science: Oceanography Lab		or GS106L/107L, BI101L/ 102L, G101L/102L
HST201	U.S. History through Reconstruction <sup>1</sup>		or HST104/ 105/202, PSY201, SOC204/213/218,
	, ,	ANTH110 or approved	
		AAOT Social Science	transfer course (credits vary)
PHL101	Philosophical Problems		or ENG204/206/253/254/ 255
SPAN101	First Year Spanish I	ASL101	or approved AAOT Humanities transfer course (credits vary)
	Term Credits: 16		
Term 5			
NFM225	Nutrition	CS160/ENV111	or approved AAOT Science
			transfer course (credits vary)
COMM201	Media and Society		or other COMM course
SPAN102	First Year Spanish II <sup>1</sup>	ASL102	
HST202	U.S. History: Post-Reconstruction to Present		or HST104, 105, 201, PSY201,

or HST104, 105, 201, PSY201, SOC204, SOC213, SOC218, ANTH110 or approved AAOT Social Science transfer course (credits vary)

Term 6			
COMM225	Small Group Communication and Problem-so	lving	or other COMM course
PSY202	General Psychology II	-	or ANTH110, HST201/202, PSY201, SOC204/205/213/ 218
HE250	Personal Health		or HE252/253/259/295
SPAN103	First Year Spanish III <sup>1</sup>	ASL103	
	Term Credits: 15		
1 Meets cultura	l literacy criteria (one course required).		
For more information	n, contact the Humanities Department:		
Phone	·		
Email			<u>HumanitiesInfo@roguecc.edu</u>
Web address			
ΠΥ			Oregon Telecom Relay Service, 711

### **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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

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#### **TOTAL PROGRAM CREDITS**

Program email address: <u>HumanitiesInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program I MTH95 WR115	Prerequisites Intermediate Algebra Introduction to Expository Writing	MTH96	or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-7		
Term 1	Check in with Advisor		
WR121 MTH105 CG100 ENG204 PE185YOG	English Composition I Introduction to Contemporary Math College Success and Survival Survey of English Literature: Medieval to Rer Yoga Term Credits: 15	MTH111, MTH211, or MTH243 naissance ENG201/ENG253	or any 2-4 credit elective course or any ENG course or other approved transferable general elective
Torm 2	Term creans. To		
WR122 ENG205 ENG254	English Composition II Survey of English Literature: 18th Century to or any ENG course	Romantic	WR227 – check with Advisor ENG202/
COMM111 GS104	Fundamentals of Public Speaking Physical Science: Physics	COMM218	COMM115 or approved AAOT Lab Science Lab transfer course (credits vary)
246			

GS104L	Physical Science: Physics Lab		or approved AAOT Lab Science transfer course (credits vary)
	Term Credits: 16		······,
Term 3			
ENG206 ENG109 GS107	Survey of English Literature: Victorian to Modern World Literature: Enlightenment to Modern Physical Science: Astronomy	ENG203/ENG255	or any ENG course or any ENG course or approved AAOT Lab Science transfer course (credite vary)
GS107L	Physical Science: Astronomy Lab		or approved AAOT Lab Science
HST104	World Civilizations: Prehistory – Middle Ages		or approved AAOT Social Science transfer course (credits vary)
	Term Credits: 16		
Term 4	Check in with Advisor		
GS108	Physical Science: Oceanography		or approved AAOT Lab Science transfer course (credits vary)
GS108L	Physical Science: Oceanography Lab		or approved AAOT Lab Science transfer course (credits vary)
PHL101	Philosophical Problems		or approved AAOT Humanities transfer course, cannot be ENG prefix
HST105 SPAN101	World Civilizations: Byzantium - Present First Year Spanish I 1	SPAN201	or approved AAOT Social Science transfer course or any 4-credit course
	Term Credits: 16		
Term 5			
PSY201 ENG107 SPAN102	General Psychology I World Literature: Ancient to Classical First Year Spanish II 1	SPAN202	or approved AAOT Social Science transfer course or any ENG course or other 4-credit course
	Term Credits: 12		
Term 6			
NFM225	Nutrition		or approved AAOT Science
PSY202	General Psychology II		or approved AAOT Social Science
HE250	Personal Health		or approved Health/PE/Recreation course (minimum 3 credits required)
SPAN103	First Year Spanish III <sup>1</sup>	SPAN203	or any 4-credit course
	Term Credits: 15		
1 Two years of a For more informatio	a college-level world language is required for a Bachelor of Arts c n. contact the Humanities Department:	legree.	
Phone	· · · · · · · · · · · · · · · · · · ·		
Email			<u>HumanitiesInfo@roguecc.edu</u>
Web address			
117			Drogon Jolocom Polov Sorvico /11

### **History Interest**

### Associate of Arts Oregon Transfer Degree

A total of 90 credits are required to complete the Associate of Arts Oregon Transfer (AAOT) degree and the courses listed below are only meant to serve as a of recommended choices within categories required in the AAOT framework. See the AAOT graduation guide for full degree requirements. It is recommended that a student also consult with the transfer college of choice regarding specific prerequisites since requirements for a History major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. The majority of students transferring in AAOT with a History Interest earn Bachelor of Science (B.S.) degrees. If students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

#### **TOTAL PROGRAM CREDITS**

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Program email a	ddress: <u>SocialScienceInfo@roguecc.edu</u>		
Course No.	Course Title	Alternate Course	Comments
Program F WR115	Prerequisites Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-3		
<b>Term 1</b> WR121 COMM111 HST104	<b>Check-in with Advisor</b> English Composition I Fundamentals of Public Speaking World Civilizations: Prehistory – Middle Ages <b>Term Credits: 12</b>	COMM115/COMM218	
Term 2 HPE295 HST105	Health and Fitness for Life World Civilizations: Byzantium – Present	HE250/HE252	
WR122 MTH243	English Composition II Probability and Statistics	MTH105	Students should inquire with their receiving institution as to whether MTH243 is accented
MTH243R	Corequisite Support for MTH243		
	Term Credits: 16		
Term 3 ART204	History of Art I	ART205	or ENG253/254, SPAN201 or approved AAOT Humanities transfer course
G101	Introduction to Geology I (Tectonics)	BI101/GS104	talk to your advisor or GS108/170 or approved AAOT Lab Science transfer course (credits vary)
G101L	Introduction to Geology I (Tectonics) Lab	BI101L/GS104L	or GS108L/170L or approved AAOT Lab Science transfer course (credits vary)
HST201 ANTH110	U.S. History through Reconstruction Introduction to Cultural Anthropology	GEOG110/GEOG120	or SPAN101 or ASL101 or approved general transfer course - talk with your advisor
	Term Credits: 16		
Term 4	Check-in with Advisor		
HST202 G102	U.S. History: Post-Reconstruction to Present Introduction to Geology II (Surface Process)	BI102/GS106	or GS170 or approved AAOT Lab
G102L	Introduction to Geology II (Surface Process) Lab	BI102L/GS106L	or GS170L or approved AAOT Lab
PS201	U.S. Government: Institutions and Policy	PS202/PS203	or ECON115/201/202, GEOG110/120 or approved general
MUS201	Exploring Music: Introduction to Music History	MUS205/MUS261	or MUS262/263/265 or SPAN202 or approved AAOT Humanities transfer course - talk to your advisor

**Term Credits: 16** 

Term 5			
ENG107	World Literature: Ancient to Classical	ENG108/ENG109	or ENG253/254/255/260 or SPAN203 or approved AAOT Humanities transfor course, talk to your advisor
G103	Introduction to Geology III (Historical)	BI103/GS107	or approved AAOT Lab Science transfer course (credits varv)
G103L	Introduction to Geology III (Historical) Lab	BI103L/GS107L	or approved AAOT Lab Science transfer course (credits vary)
SOC213	Race and Ethnicity in the U.S.	SOC204/SOC205	or SPAN102 or ASL102 or approved general transfer course - talk to your advisor
HST259/SOC235	The Chicano/Latino Historical Experience		Fulfills cultural literacy requirement for the AAOT.
	Term Credits: 16		
Term 6			
PHL103 ED200 ENV111	Critical Reasoning Introduction to Teaching Introduction to Environmental Science	CIS125SS/ CIS125WW	or HUM101/102/103
			transfer course (credits vary)
REL201	World Religions	REL243/COMM115	or COMM201/218/225/237 or approved general transfer course - talk to your advisor

#### Term Credits: 14

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

For more information, contact the Social Science Department office.

Phone	
Email	
Web address	
ΠΥ	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 strongly 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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

### TOTAL PROGRAM CREDITS

Program email address: <u>MathInfo@roguecc.edu</u>

# Course No.Course TitleAlternate CourseCommentsProgram PrerequisitesMTH95Intermediate AlgebraWR115Introduction to ExpositoryWritingor designated placement score

90

	Prerequisites - credits vary based on Placement Score(s): 0-7		
<b>Fall</b> MTH111 WR121 HE252 PHL101	<b>Check in with Advisor</b> College Algebra English Composition I First Aid/CPR Philosophical Problems		or approved AAOT Humanities transfer course (credits varv)
	Term Credits: 15		
Winter			
MTH112	Elementary Functions		
WR122	English Composition II		an approved AAOT Live as it is a
PHLIUZ	ELITICS		or approved AAOT Humanilies transfer course (credits vary)
ECON201	Principles of Microeconomics		or approved AAOT Social Science transfer course (credits vary)
	Term Credits: 16		
Spring			
MTH243	Probability and Statistics		MTH243R- for non-STEM students is a Corequisite support for MTH243 (who have not taken MTH95/96)
REL201	World Religions 1	COMM115 <sup>1</sup>	or approved AAOT Humanities transfer course (credits vary)
ECON202	Principles of Macroeconomics		or approved AAOT Social Science transfer course (credits vary)
PS201	U.S. Government: Institutions and Policy		or approved AAOT Social Science transfer course (credits vary)
	Term Credits: 16		
Fall	Check in with Advisor		
MTH251	Calculus I Differential		fall at RWC: fall/winter at RVC
PH211	General Physics (Calculus Based) I		or approved AAOT Lab Science
			transfer course (credits vary)
PH211L	General Physics (Calculus Based) I Lab		or approved AAUI Lab Science
COMM111	Fundamentals of Public Speaking	COMM218	
	Term Credits: 14		
Winter			
MTH252	Calculus II Integral		winter at RWC: winter/spring at RVC
PH212	General Physics (Calculus Based) II		or approved AAOT Lab Science
			transfer course (credits vary)
PH212L	General Physics (Calculus Based) II Lab		or approved AAOT Lab Science
DC000			transfer course (credits vary)
P3202	O.S. Government: Ideologies and Political Participation	GEOG110	or approved AAOT Social Science
	Term Credits: 14		
Spring			
MTH253	Calculus III		spring term only
MTH261	Linear Algebra		spring term only
PH213	General Physics (Calculus Based) III		or approved AAOT Lab Science
PH213L	General Physics (Calculus Based) III Lab		transfer course (credits vary) or approved AAOT Lab Science transfer course (credite vary)
	Term Credits: 15		
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#### Summer

MTH254, MTH256 offered summer term only. Strongly suggested course to ensure prerequisites are met to begin junior level math classes. Additional Math Options. Please speak with an advisor.

<b>Course No.</b> *MTH211,212,213	<b>Course Title</b> Fundamentals of Elementary N	Math I, II, III	<b>Credits</b> 4-4-4
WR227	Elective Technical Writing Elective		4
* For students interested i	i teaching.		
Note: Two math courses re	juired between the Science and	Math categories. Additional courses would count	as electives.
1 Meets cultural literacy criteria	(one course required).		
For more information, contact the Ma	hematics Department:		
Phone			
Email			<u>MathInfo@roguecc.edu</u>
Web address			<u>www.roguecc.edu/mathematics</u>
ΠΥ			Oregon Telecom Relay Service, 711

# **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 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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. The majority of students transferring in AAOT with a Psychology Interest earn Bachelor of Science (B.S.) degrees. If students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

<b>TOTAL PRO</b> Program email	GRAM CREDITS address: <u>SocialScienceInfo@roguecc.edu</u>		90
Course No.	Course Title	Alternate Course	Comments
Program WR115	Prerequisites Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-3		
Term 1	Check in with Advisor		
WR121 COMM218 PSY201	English Composition I Interpersonal Communication General Psychology I	COMM111/ COMM115	
	Term Credits: 12		
Term 2			
MTH243	Probability and Statistics		Students should inquire with their receiving institution as to whether MTH243 is accepted
MTH243R	Corequisite Support for MTH243		
PSY202	General Psychology II		

HPE295 WR122	Health and Fitness for Life English Composition II	HE250/HE252	or HE253
	Term Credits: 16		
<b>Term 3</b> PSY101	Psychology of Human Relations	CJ200/COMM111	or SPAN101 1 or ASL101 - talk to your advisor
COMM225	Small Group Communication and Problem Solving	COMM115/COMM237	or SPAN201 1, PHL101/102/103 or approved AAOT Humanities transfer course (credits vary)
BI101 BI101L SOC204	Introduction to Biology I Introduction to Biology I Lab Introduction to Sociology		
	Term Credits: 15		
Term 4	Check in with Advisor		
SOC243 BI102 BI102L	Drugs, Crime and Addiction Introduction to Biology II Introduction to Biology II Lab	PSY219/PSY228	
PSY215 REL201	Lifespan Human Development World Religions	PSY219/PSY228 REL243/ MUS108	or PSY231 or MUS201/205/206/ 208; SPAN202 <sup>1</sup> or approved AAOT Humanities transfer course (credits vary)
	Term Credits: 16		
Term 5			
PHL102	Ethics	PHL101/PHL103	or SPAN203 1; HUM101/102/103 or approved AAOT Humanities transfer elective (credits vary)
BI103	Introduction to Biology III		
PSY231	Human Sexuality	SOC213/SOC218	or SPAN102 1, ASL102; talk to your advisor
CJ203	Crisis Intervention	ART115/ OAL250	or BI121/121L; ED165, ED200; GEOG110 or approved general elective course - talk to your advisor
BA109	Ready Set Work: Techniques for Landing a Job <b>Term Credits: 16</b>		or LIB127 and HE144; talk to your advisor
Term 6			
CIS125SS	Spreadsheet Applications	ART133/TA144	or CIS125WW, CJ201, GEOG110/120, WR241 approved AAOT general transfer course - talk to your advisor
ANTH110	Introduction to Cultural Anthropology		
ENV111	Introduction to Environmental Science	NFM225	or approved AAOI Science non-lab transfer course (credits varv)
SOC230	Introduction to Gerontology	SOC213/SOC218	or SOC228/235 or approved AAOT general transfer course - talk to your advisor
	Term Credits: 15		
1 Two years of a Note: Three cour	college-level World Language is required for a Bachelor of Arts rses required in the Humanities category. Additional court	degree. rses would count as electives.	
For more information	, contact the Social Science Department:		
rnone			
Web address			www.romuerc.edu/socialscience
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# 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 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 or Social Work major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. The majority of students transferring in AAOT with a Sociology/Social Work Interest earn Bachelor of Science (B.S.) degrees. If students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult with an advisor regularly as you complete your transfer degree.

#### TOTAL PROGRAM CREDITS

90

Program email a	ddress:	SocialScienceInfo@roguecc.edu		
Course No.	Course	Title	Alternate Course	Comments
Program F WR115	Prerequ Introduc	isites tion to Expository Writing		or designated placement score
	Prereq Placem	uisites - credits vary based on ent Score(s): 0-3		
Term 1	Check i	n with Advisor		
PE185YOG	Yoga			or other approved transferable general elective
WR121 SOC204 COMM115	English ( Introduc Introduc	Composition I tion to Sociology tion to Intercultural Communication	COMM111/COMM218	
	Term C	redits: 13		
Term 2				
ANTH110 WR122 MTH243	Introduc English ( Probabil	tion to Cultural Anthropology Composition II ity and Statistics		Students should inquire with their receiving
MTH243R	Co-requi	site Support for MTH243		
HPE295	Health a	nd Fitness for Life	HE250/HE252	or HE253
	Term C	redits: 16		
Term 3				
HST201 BI101	U.S. Hist Introduc	ory through Reconstruction tion to Biology I	HST202	or approved AAOT Lab Science
BI101L	Introduc	tion to Biology I Lab		or approved AAOT Lab Science transfer course (credits vary) – talk to your advisor
PSY201	General	Psychology I		
MUS205	History o	t Jazz	ART204/ART205/ART206	or ENG107/108/ 109, SPAN201 <sup>1</sup> or approved AAOT Humanities transfer course (credits vary)

Term Credits: 15

Term 4	Check in with Advisor		
PSY202 BI102	General Psychology II Introduction to Biology II		or approved AAOT Lab Science transfer course
BI102L	Introduction to Biology II Lab		or approved AAOT Lab Science transfer course
SOC225	Social Problems and Solutions	HST202/ SOC205	(credits vary) – talk to your advisor or SOC211/213/218/228/ 230/235/243
REL201	World Religions	REL243/SPAN202 <sup>1</sup>	or COMM111/115/218/ 225, MUS108 or approved AAOT Humanities transfer course (credits vary)
	Term Credits: 16		
Term 5			
SOC218	Sociology of Gender	SOC213/SOC235	or SOC211/228/230/243
PSY231	Human Sexuality	PSY215/PSY228	or GEOG110, 120; or SPAN101 <sup>1</sup> or ASL101 – talk to your advisor
PS201	U.S. Government: Institutions and Policies	PS202/PS203	or CJ203, ECE 125/161, ED200, HC100
BI103	Introduction to Biology III		or approved AAOT Lab Science transfer course
BI103L	Introduction to Biology III Lab		or approved AAOT Lab Science transfer course (credits vary) – talk to your advisor
	Term Credits: 15		
Term 6			
SOC235/HST259	The Chicano/Latino Historical Experience	SOC228/SOC230	or SOC205/211/213/218 or SPAN102 <sup>1</sup> or ASL102 – talk to your advisor
COMM201	Media and Society	CJ200/ CIS125SS	or BA109, CIS125PT
COMM237	Small Group Communication	ENG255/ PHL103	or MUS264/265/266, IS110 or approved AAOT Humanities
ENV111	Introduction to Environmental Science	NFM225	or approved AAOT Science non-lab transfer course (credits vary)

#### Term Credits: 15

1 Two years of a college-level World Language is required for a Bachelor of Arts degree.

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

# ASSOCIATE OF GENERAL STUDIES INTERESTS

# 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, primarily focused on developing skills necessary for entry into an architecture, but may also be accepted as core required freshman architecture courses by the specific institution.

Students must research the specific requirements of the architectural program they plan to transfer into; all such programs, in Oregon and nationally, are rigorous, conservatory-based programs, requiring generally five years of full-time study, accepting limited transfer credits. Students will have to be accepted into the program before they can begin study. The great majority of the classwork is program-specific, students work in a cohort setting, and the courses 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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

**TOTAL PROGRAM CREDITS** 

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

This guide lays out an optimal path to graduate. Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation.

#### Program email address: ScienceInfo@roquecc.edu **Course No. Course Title** Alternate Course(s) Comments **Program Prerequisites** CG100 College Success and Survival **Required for Oregon Promise Grant students** MTH95 Intermediate Algebra or designated placement score WR115 Introduction to Expository Writing or designated placement score Prerequisites - credits vary based on Placement Score(s): 0-9 Fall Check in with Advisor MTH111 College Algebra or higher-level math History of Art I<sup>1</sup> ART204 WR121 English Composition I Introduction to Drawing (Value) ART131 Term Credits: 15 Winter COMM111 Fundamentals of Public Speaking COMM100/COMM115/COMM218 History of Art II 1 ART205 Elementary Functions MTH112 ART132 Introduction to Drawing (Line) 1 Term Credits: 15 Spring ANTH110 Introduction to Cultural Anthropology or approved Social Science course (credits vary) ART206 History of Art III<sup>1</sup> PE185YOG Yoga or other approved transferable general elective HPE295 Health and Fitness for Life or approved Fitness/Health/ Physical Education course CIS120 Concepts in Computing I<sup>2</sup> Term Credits: 14 Fall Check in with Advisor PH201 General Physics I<sup>1</sup> or approved Science Lab course (credits vary) PH201L General Physics I Lab 1 or approved Science Lab course (credits vary) ART276 Sculpture I<sup>1</sup> ART294 Watercolor I PSY101 Psychology of Human Relations **Term Credits: 14** Winter PH202 General Physics II<sup>1</sup> or approved Science Lab course (credits vary) PH202L General Physics II Lab 1 or approved Science Lab course (credits vary) Digital Imaging: Photoshop DDM160 winter term only ART281 Painting I ART257 Jewelry and Metalsmithing I **Term Credits: 14**

Spring		
PH203	General Physics III 1	or approved Science Lab course (credits vary)
PH203L	General Physics III Lab 1	or approved Science Lab course (credits vary)
HSI105	World Civilizations: Byzantium – Present	or approved Social Science course (credits vary)
ARIZ34	Figure Drawing I	
DDM125	Digital Photography	
DDW123	Term Credits: 18	
Course No	Course Title	Credits
ART132 1	Introduction to Drawing (Line)	
ART204 <sup>1</sup>	Art History I	З Д
ART205 <sup>1</sup>	Art History II	4
ART206 <sup>1</sup>	Art History III	4
ART276 <sup>1</sup>	Sculpture I	3
DDM160 <sup>1</sup>	Digital Imaging (Photoshop)	3
MTH111	College Algebra	4
MTH112	Elementary Functions	4
PH201 <sup>1</sup>	General Physics I w/ lab and recitation	5
PH202 <sup>1</sup>	General Physics II w/ lab and recitation	5
PH203 <sup>1</sup>	General Physics III w/ lab and recitation	5
WR121	English Composition I	4
WR122	English Composition II	4
1 University-recor	nmended courses. Check with the specific transfer institution for more details.	
2 Approved Com	puter Information Science or Computer Science class, CIS120 or above, or documented compute	r proficiency within the past ten years.
For approved Humani	ties, Social Science and Science, see catalog for Approved Electives.	
For more information,	contact the Science Department:	
Phone		
Fmail		ScienceInfo@roquecc.edu

Email	ScienceInfo@roquecc.edu
Web address	www.roguecc.edu/science
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# 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, 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.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. Please consult an advisor with any program completion questions.

#### TOTAL PROGRAM CREDITS

Program email address: VisualArtsandDesignInfo@roguecc.edu

Course No.	Course Title	Alternate Course(s)	Comments
Program	Prerequisites		
CG100	College Success and Survival		
MTH95	Intermediate Algebra		or designated placement score
WR115	Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-9		
Term 1	Check in with Advisor		
ART115	Basic Design (Composition)		
ART204	History of Art I		
PE185ZUM	Zumba ®		or approved Fitness/ Health/Physical
COMM111	Fundamentals of Public Speaking		or approved COMM course
ART131	Introduction to Drawing (Value)		of approved commit course
ANTOT	Torres Graditas 45		
	lerm Creatts: 15		
Term 2			
ARI116	Basic Design (Color Theory)		
ARIZU5	History of Art II		
	Yoga		or other approved transferable general elective
12103100			of other approved transferable general elective
	lerm Credits: 12		
Term 3			
ART120	Introduction to Digital Art		
ARTI32	Introduction to Drawing (Line)		
	Instally of Art III		or approved Social Science course (credits vary)
PF185CAC	Core and Cardio		or approved Social Science course (creatis vary)
			Education course
	Term Credits: 15		
Term 4	Check in with Advisor		
ART281	Painting I		
ART253	Ceramics I		
G101	Introduction to Geology I (Tectonics)		or approved Science course (credits vary)
G101L	Introduction to Geology I Lab		or approved Science course (credits vary)
PSY101	Psychology of Human Relations		
ART294	Watercolor I		
	Term Credits: 16		
Term 5			
ART276	Sculpture I		
ART282	Painting II		or Advanced Studio course
MTH105	Introduction to Contemporary Math		or higher-level math
CIS120	Concepts in Computing I <sup>1</sup>		
ARI257	Jeweiry and Metalsmithing I		
ARI198	Independent Study: Art (Portfolio) 2		
	Term Credits: 16		
Term 6			
ART237	Illustration (Black and White Media)		
ARI234	Figure Drawing I		
	Digital Imaging: Photoshop		
AR1234	Cerdinius II Painting III		or Advance studio course
PF185RPA	Backpacking Adventure		or annroved Fitness/Health/Physical
LIUSDIA	Backpacking Adventate		Education course

#### Approved Advanced Studio Courses (complete 9 – 12 credits)

Course No.	Course Title	Credits
ART235, 236	Figure Drawing II, III	3-3
ART238, 239	Illustration II, III	3-3
ART240	Advanced Figure Drawing	
ART254, 255, 256	Ceramics II, III, IV	3-3-3
ART258, 259	Intermediate/Advanced Jewelry and Metalsmithing	3-3
ART260	Advanced Jewelry and Metalsmithing	3
ART277, 278	Sculpture II, III	3-3
ART282, 283, 284	Painting II, III, IV	3-3-3
ART295, 296, 297	Watercolor II, III, IV	3-3-3

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years.

2 WR122 is a prerequisite for ART198.

For approved Humanities, Social Science and Science (see catalog for Approved Electives).

For more information, contact the Visual Arts and Design Department:

Phone	
Email	
Web address.	
ΠΥ	Oregon Telecom Relay Service, 711

# **Biology 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. It is recommended that students also consult with the transfer college of choice regarding specific prerequisites since requirements for a biology major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation. At least one four-credit elective course needs to be taken to achieve the minimum 90 credits required to graduate.

90

fall term only

#### TOTAL PROGRAM CREDITS

Program email address: <u>ScienceInfo@roguecc.edu</u>

General Chemistry I Recitation

Course No.	Course Title	Alternate Course	Comments
Program	Prerequisites		
MTH111	College Algebra		or designated placement score
MTH112	Elementary Functions		or designated placement score
WR115	Introduction to Expository Writing		or designated placement score
	Prerequisites - credits vary based on		
	Placement Score(s): 0-11		
Fall	Check in with Advisor		
CHEM221	General Chemistry I		fall term only
CHEM221L	General Chemistry I Lab		fall term only

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CHEM221R

MTH251 CIS120	Calculus I Differential		fall at RWC; fall/winter at RVC
PE185TAI	Tai Chi	PE185SAS	or approved Fitness/Health/ Physical Education course
	Term Credits: 13		
Winter			
CHEM222 CHEM222L CHEM222R MTH252 HS152 PE185YOG	General Chemistry II General Chemistry II Lab General Chemistry II Recitation Calculus II (Integral) Stress Management Yoga		winter term only winter term only winter term only or approved transferable general elective
	Term Credits: 12		
Spring			
CHEM223 CHEM223L CHEM223R WR121 ECON201	General Chemistry III General Chemistry III Lab General Chemistry III Recitation English Composition I Principles of Microeconomics		spring term only spring term only spring term only spring term only
	Term Credits: 13		
Summer			
WR227 COMM111 PSY101 PE185RRV	Technical Writing Fundamentals of Public Speaking Psychology of Human Relations Rafting the River	COMM100/COMM115/COMM218	Strongly recommended. See financial aid advisor
	Term Credits: 12		
Fall	Check in with Advisor		
PH201 PH201L PH201R BI211 BI211L PSY201	General Physics I General Physics I Lab General Physics I Recitation General Biology I General Biology I Lab General Psychology I		fall term only fall term only fall term only or approved Social Science course (credits vary)
	Term Credits: 13		
Winter			
PH202 PH202L PH202R BI212 BI212L	General Physics II General Physics II Lab General Physics II Recitation General Biology II General Biology II Lab		winter term only winter term only winter term only
COMM218 PE185PCW	Interpersonal Communication Physical Conditioning – Weight Training	PE185SUA	or approved Humanities course (credits vary) or approved Fitness/Health/ Physical Education course
	Term Credits: 14		
Spring			
PH203 PH203L PH203R BI213 BI2131	General Physics III General Physics III Lab General Physics III Recitation General Biology III General Biology III		spring term only spring term only
ECON202	Principles of Macroeconomics		or approved Social Science course (credits vary)
	Term Credits: 13		

1 Approved Computer Information Science or Computer Science class, CIS120/CS120 or above, or documented computer proficiency within the past ten years. For approved Humanities, Social Science and Science (see catalog for Approved Electives).

# **Chemistry 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. It is recommended that students also consult with the transfer college of choice regarding specific prerequisites since requirements for a chemistry major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation.

Program email a	address: <u>ScienceInfo@roguecc.edu</u>		70
Course No.	Course Title	Alternate Course	Comments
Program I MTH111 MTH112 WR115	Prerequisites College Algebra Elementary Functions Introduction to Expository Writing Prerequisites - credits vary based o Placement Score(s): 0-11	n	or designated placement score or designated placement score or designated placement score
Fall CHEM221 CHEM221L	Check in with Advisor General Chemistry I General Chemistry I Lab		fall term only fall term only
CHEM221R MTH251 CIS120 PE185YOG	General Chemistry I Recitation Calculus I Differential Concepts in Computing I <sup>1</sup> Yoga		fall term only fall at RWC; fall/winter at RVC or other approved transferable general elective
	Term Credits: 13		
Winter CHEM222 CHEM222L CHEM222R MTH252 WR121	General Chemistry II General Chemistry II Lab General Chemistry II Recitation Calculus II Integral English Composition I		winter term only winter term only winter term only winter at RWC; winter/spring at RVC
	Term Credits: 14		
<b>Spring</b> CHEM223 CHEM223L CHEM223R MTH253	General Chemistry III General Chemistry III Lab General Chemistry III Recitation Calculus III		spring term only spring term only spring term only spring term only

ART204	History of Art I		or approved Humanities course (credits vary)
	Term Credits: 14		
Summer	Check in with advisor		
MTH254 MTH256	Vector Calculus Differential Equations		summer term only summer term only
	Term Credits: 10		
Fall	Check in with Advisor		
PH211 PH211L PH211R HE252	General Physics (Calculus Based) I General Physics (Calculus Based) I Lab General Physics (Calculus Based) I Recitation First Aid/CPR		fall term only fall term only fall term only or approved Fitness/Health/ Physical Education course
WR227	Technical Writing		or approved General course – talk to advisor
	Term Credits: 12		
Winter			
PH212 PH212L PH212R COMM111 PE185CAC	General Physics (Calculus Based) II General Physics (Calculus Based) II Lab General Physics (Calculus Based) II Recitation Fundamentals of Public Speaking Core and Cardio	COMM100/COMM115/COMM218 PE185SSS	winter term only winter term only winter term only or approved Fitness/Health/
PSY101	Psychology of Human Relations		Physical Education course
	Term Credits: 13		
Spring			
PH213 PH213L PH213R MTH261 PSY201	General Physics (Calculus Based) III General Physics (Calculus Based) III Lab General Physics (Calculus Based) III Recitation Linear Algebra General Psychology I		spring term only spring term only spring term only spring term only or approved Social Science course (credits vary)
	Term Credits: 14		
1 Approved Con	nputer Information Science or Computer Science class, CIS120/	/CS120 or above, or documented computer p	roficiency within the past ten years.
For approved H	lumanities, Social Science and Science, see catalog f	or Approved Electives.	
For more information	n, contact the Science Department:		
Phone			
Email			ScienceInto@roguecc.edu
TTV			
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# **Geology 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. It is recommended that students also consult with the transfer college of choice regarding specific prerequisites since requirements for a geology major vary at each university.

The 100 series of Geology does not count toward a bachelor's in Geology and so is not included here.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language.

#### guage requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation.

TOTAL PRO	GAM CREDITS address: <u>ScienceInfo@roguecc.edu</u>		90
Course No.	Course Title	Alternate Course	Comments
Program I MTH111 MTH112 WR115	Prerequisites College Algebra Elementary Functions Introduction to Expository Writing		or designated placement score or designated placement score or designated placement score
	Placement Score(s): 0-11		
Fall	Check in with Advisor		
CHEM221 CHEM221L CHEM221R MTH251 CIS120 PE185YOG	General Chemistry I General Chemistry I Lab General Chemistry I Recitation Calculus I Differential Concepts in Computing I <sup>1</sup> Yoga		fall term only fall term only fall term only fall at RWC; fall/winter at RVC or other approved transferable general elective
	Term Credits: 13		
Winter			
CHEM222 CHEM222L CHEM222R MTH252 WR121	General Chemistry II General Chemistry II Lab General Chemistry II Recitation Calculus II Integral English Composition I		winter term only winter term only winter term only winter at RWC; winter/spring at RVC
	Term Credits: 14		
Spring			
CHEM223 CHEM223L CHEM223R MTH253 PSY101	General Chemistry III General Chemistry III Lab General Chemistry III Recitation Calculus III Psychology of Human Relations		spring term only spring term only spring term only spring term only
	Term Credits: 13		
<b>Summer</b> MTH254 MTH256	<b>Check in with Advisor</b> Vector Calculus Differential Equations		summer term only summer term only
	Term Credits: 10		
Fall PH211 PH211L PH211R HE252	<b>Check in with Advisor</b> General Physics (Calculus Based) I General Physics (Calculus Based) I Lab General Physics (Calculus Based) I Recitation First Aid/CPR		fall term only fall term only fall term only or approved Fitness/Health/ Physical Education course
WR227	Technical Writing		
	Term Credits: 12		
Winter PH212 PH212L PH212L PH212R COMM111	General Physics (Calculus Based) II General Physics (Calculus Based) II Lab General Physics (Calculus Based) II Recitation Fundamentals of Public Speaking	or COMM100/115/218	winter term only winter term only winter term only
ART205 PE185WSA	History of Art II Winter Survival and Snow Camping Adventure	PE185YOG	or approved Humanities course or approved Fitness/Health/ Physical Education course

Spring		
PH213	General Physics (Calculus Based) III	spring term only
PH213L	General Physics (Calculus Based) III Lab	spring term only
PH213R	General Physics (Calculus Based) III Recitation	spring term only
MTH261	Linear Algebra	spring term only
ECON202	Principles of Macroeconomics	or approved Social Science course
	Term Credits: 14	
1 Approved Com For approved H	nputer Information Science or Computer Science class, CIS120/CS120 or above, or docum Iumanities, Social Science and Science, see catalog for Approved Electives.	ented computer proficiency within the past ten years.

Phone	
Email	
Web address	
ΠΥ	Oregon Telecom Relay Service, 711

# **Physics Interest**

For more information, contact the Science Department

### 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. It is recommended that students also consult with the transfer college of choice regarding specific prerequisites since requirements for a physics major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation.

#### **TOTAL PROGRAM CREDITS**

Program email address: <u>ScienceInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program	Prereguisites		
MTH111 MTH112 WR115	College Algebra Elementary Functions Introduction to Expository Writing		or designated placement score or designated placement score or designated placement score
	Prerequisites - credits vary based on Placement Score(s): 0-11		
Fall	Check in with Advisor		
CHEM221	General Chemistry I		fall term only
CHEM221L	General Chemistry I Lab		fall term only
CHEM221R	General Chemistry I Recitation		fall term only
MTH251	Calculus I Differential		fall at RWC; fall/winter at RVC
CIS120	Concepts in Computing I <sup>1</sup>		
PE185	Yoga		or other approved transferable general elective
	Term Credits: 13		
Winter			
CHEM222	General Chemistry II		winter term only
CHEM222L	General Chemistry II Lab		winter term only

CHEM222R MTH252 WR121	General Chemistry II Recitation Calculus II Integral English Composition I		winter term only winter at RWC; winter/spring at RVC
	Term Credits: 14		
<b>Spring</b> CHEM223 CHEM223L CHEM223R MTH253 ART206	General Chemistry III General Chemistry III Lab General Chemistry III Recitation Calculus III History of Art III		spring term only spring term only spring term only spring term only or approved Humanities course
	Term Credits: 14		
<b>Summer</b> MTH254 MTH256	Vector Calculus Differential Equations		summer term only summer term only
	Term Credits: 10		
<b>Fall</b> PH211 PH211L PH211R HE252	<b>Check in with Advisor</b> General Physics (Calculus Based) I General Physics (Calculus Based) I Lab General Physics (Calculus Based) I Recitation First Aid/CPR		fall term only fall term only fall term only or approved Fitness/Health/ Physical Education course
WR227	Technical Writing		
	Term Credits: 12		
Winter			
PH212 PH212L PH212R COMM111 PSY101	General Physics (Calculus Based) II General Physics (Calculus Based) II Lab General Physics (Calculus Based) II Recitation Fundamentals of Public Speaking Psychology of Human Polations	or COMM100/115/218	winter term only winter term only winter term only
PE185WSA	Winter Summer and Snow Camping Adventure	PE185YOG	or approved transferable general elective (1 to 4 credits as needed)
	Term Credits: 13		
<b>Spring</b> PH213 PH213L PH213R MTH261 ECON201	General Physics (Calculus Based) III General Physics (Calculus Based) III Lab General Physics (Calculus Based) III Recitation Linear Algebra Principles of Microeconomics	ECON202	spring term only spring term only spring term only spring term only or approved Social Science transfer course
	Term Credits: 14		
1 Approved Comp For approved Hu	outer Information Science or Computer Science class, CIS120/C Imanities, Social Science and Science, see catalog fo	CS120 or above, or documented compute or Approved Electives.	er proficiency within the past ten years.
Phone	נטוומנו ווים שנופותב שבאמונוופות.		
Email			<u>ScienceInfo@roguecc.edu</u>
Web address			
ΠΥ			Oregon Telecom Relay Service, 711

# 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. It is recommended that students also consult with the transfer college of choice regarding specific prerequisites since requirements for a biology major vary at each university.

This guide lays out an optimal path to graduate in two years as you prepare to transfer to a four-year Oregon college or university. Please meet with an advisor for any questions about alternate classes in any given term. When transferring to a four-year Oregon state college or university, one of the following options must be met as a requirement for admission:

1) Two years of the same high school-level world language, or

2) Two terms of college-level world language (may be first-year world language, which can be used as elective credits)

This is for students who have graduated from high school or completed a high school equivalency program in 1997 or after. Additionally, if students intend to complete a Bachelor of Arts (BA) degree at a four-year school, they must complete two years of a college level world language regardless of when they graduated from high school or an equivalency program. Completing the first year of the college language sequence in terms 4-6 at RCC sets students up for the second-year sequence when they transfer. Students should inquire with their intended receiving institution for world language requirements.

Where zero credits are listed in the prerequisites, students may place into a higher level(s) based on designated placement score(s). Note, some prerequisites may be required for graduation.

#### TOTAL PROGRAM CREDITS

Program email address: <u>ScienceInfo@roguecc.edu</u>

Course No.	Course Title	Alternate Course	Comments
Program Pr	erequisites		
MTH111	College Algebra		or designated placement score
MTH112	Elementary Functions		or designated placement score
WR115	Introduction to Expository Writing		or designated placement score
CIS120	Concepts in Computing I 1		Required for graduation
	Prerequisites - credits vary based on Placement Score(s): 0-13		
Term 1	Check in with Advisor		
MTH243	Probability and Statistics		MTH243R- for non-STEM students (who have not taken MTH95/96)
BI211	General Biology I		
BI211L	General Biology I Lab		
WR121	English Composition I		
PEIOSYUG	roga		or other approved transferable general elective
	Term Credits: 13		
Term 2			
MTH251	Calculus I (Differential)		
BI212	General Biology II		
BIZIZL	General Biology II Lab		
HE252	First Aid/CPR		or approved Humanities course
	Term Credits: 16		
Term 3			
MTH252	Calculus II (Integral)		
BI213	General Biology III		
BI213L	General Biology III Lab		
WR22/	lechnical Writing		ar annual Casial Caianas annuas (and the same)
201218			or approved Social Science course (credits vary)
	Term Credits: 17		

Term 4	Check in with Advisor	
CHEM221	General Chemistry I	
CHEM221L	General Chemistry I Lab	
CHEM221R	General Chemistry I Recitation	
PHZUI	General Physics I	
	General Physics I Recitation	
PSY101	Psychology of Human Relations	
MUS208	Film Music	or approved Humanities course (credits vary)
	Term Credits: 16	
Term 5		
CHEM222	General Chemistry II	
CHEM222L	General Chemistry II Lab	
CHEM222R	General Chemistry II Recitation	
PH202	General Physics II	
PH202L	General Physics II Lab	
PH202R	General Physics II Recitation	
COMMITT	Fundamentals of Public Speaking	
	Term Credits: 14	
Term 6		
CHEM223	General Chemistry III	
CHEM223L	General Chemistry III Lab	
CHEM223R	General Chemistry III Recitation	
	General Physics III Lab	
	General Physics III Lau General Physics III Recitation	
SOC213	Race and Ethnicity in the U.S.	or approved Social Science course (credits vary)
	Term Credits: 14	
1 Approved Com	nputer Information Science or Computer Science class, CIS120/CS120 or	above, or documented computer proficiency within the past ten years.
For more information	, contact the Science Department:	
Phone		
Email		
Web address		
ΠΥ		Oregon Telecom Relay Service, 711

## **MAJOR TRANSFER MAPS**

# Associate of Science Transfer (AST) - Biology

#### About the Program

Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30- credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM. The statewide Biology Major Transfer Map (MTM) will use the format of an Associate of Science Transfer degree.

90

#### TOTAL PROGRAM CREDITS

Program email address: Sc	<u>ienceInfo@roguecc.edu</u>
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CORE TRANSFER REQUIREMENTS See an advisor for recommended courses before your first term	
Writing	
WR121	4

Arts & Letters		
AAOT-approved	courses	3-4
AAOT-approved	courses	3-4
Social Sciences		
Choose from AA	OT-approved courses	3-4
Choose from AA	OT-approved courses	3-4
Natural Sciences		
	Biology 211 or 221 <sup>1, 2</sup>	
1 <sup>st</sup> course	<sup>1</sup> Biology 211, 212, and 213 or Biology 221, 222, 223 must be taken at the same institution.	4-5
	<sup>2</sup> The BI 21x and BI 22x series are not interchangeable by term (e.g. BI 211 is not equivalent to BI 221).	
	Biology 212 or 222 <sup>1, 2</sup>	
2 <sup>nd</sup> course	<sup>1</sup> Biology 211, 212, and 213 or Biology 221, 222, 223 series must be taken at the same institution.	4-5
	<sup>2</sup> The BI 21x and BI 22x series are not interchangeable by term (e.g. BI 212 is not equivalent to BI 222).	
Mathematics		
1	Math 111 <sup>1</sup>	4-5
i course	<sup>1</sup> course <sup>1</sup> Students who test out of Math 111 should take Math 112.	
At least 1 Core T	ransfer Requirement course must also be an AAOT-approved Cultural Literacy course	
Core Transfer	Requirement Total	30-35
	ADDITIONAL MAJOR TRANSFER MAP COURSES See an advisor for recommended Courses	
General Educatio	n	
	Writing 122 or Writing 227	
Writing	* OSU accepts either but recommends 227	3-4
	* WOU & UO accepts either but recommends 122	
Math	Math 112 <sup>1 1</sup> Students who test out of Math 112 may substitute a recommended elective (see recommended electives listed below).	4-5
Maior Requireme	ents	
	Biology 213 or BI 223 <sup>1, 2</sup>	
Biology	<sup>1</sup> Biology 211, 212, and 213 or Biology 221, 222, 223 series must be taken at the same institution.	4-5
	<sup>2</sup> The BI 21x and BI 22x series are not interchangeable by term (e.g. BI 213 is not equivalent to BI 223).	
Chemistry	3-course General Chemistry sequence with lab	12-18
chemistry		

MAJOR TRANS	FER MAP TOTAL	90-100		
Electives	Elective courses to reach 90 credits (see recommended electives listed below)	0-16		
Additional MT	M Courses Total	47-65		
	<sup>4</sup> Students considering pre-medical, pre-dental, and pre-pharmacy programs should consider Organic Chemistry sequence. Courses in sequence must be taken at the same institution.			
	<sup>3</sup> Students transferring to OSU are strongly recommended to take the Organic Chemistry sequence.			
	<sup>2</sup> Students transferring to EOU are required to take MATH 241 (Survey of Calculus) instead of MATH 251 and 252. MATH 251 may serve as a substitute for MATH 241.			
Chemistry	<sup>1</sup> Students transferring to PSU may substitute STAT 243 & 244 for MTH 251 & 252.			
Physics/Math/	3-course Organic Chemistry sequence <sup>3, 4</sup>	20-33		
	MTH 251 (Differential Calculus) & 252 (Integral Calculus) <sup>1, 2</sup>			
	□ 3-course General Physics (algebra or calculus)			
	Strongly recommend seeing an advisor for assistance with choosing sequences which best match your specific academic, pre-professional, and career goals			
	PICK TWO SEQUENCES			

	RECO	MMENDED ADDITION See an adv	NAL ELECTIVES IF NEE visor for recommend	DED TO REACH 90 ( led courses	CREDITS	
EOU	OIT	OSU	PSU	SOU	OU	WOU
MTH 243 Pick a 3rd sequence from physics, math, or chemistry series listed above	<ul> <li>4-6 credits social science</li> <li>1-3 credits humanities</li> <li>2 credits lower division health biology</li> </ul>	COMM 111 3 credits Fitness 1 Difference, Power and Dis- crimination course Pick a 3rd sequence from physics, math, or chemistry series listed above	STAT 243 (if not taken to fulfill Physics, Math, Chemistry area) Pick a 3rd sequence from physics, math, or chemistry series listed above	MTH 243 Pick a 3rd sequence from physics, math, or chemistry series listed above	WR 122 Pick a 3rd sequence from physics, math, or chemistry series listed above	WR 122 Pick a 3rd sequence from physics, math, or chemistry series listed above

For more information, contact the Science Department:	
Phone	
Email	<u>ScienceInfo@roguecc.edu</u>
Web address	www.roguecc.edu/science
ΠΥ	Oregon Telecom Relay Service, 711
https://www.oregon.gov/highered/institutions-programs/ccwd/Documents/Transfer%20MOUs/Biology%20MOU%202020%2002.25.22%20Final.pdf	

# Associate of Science Transfer (AST) - Business

Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30-credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM.

#### **Program Learning Outcomes**

Explain basic business functions and their integration into the business environment.

Integrate diverse cultural perspectives and ethical reasoning and actions into business decisions.

Demonstrate effective oral and written communication skills.

Apply critical thinking and analytical reasoning skills to business decisions.

#### TOTAL PROGRAM CREDITS

Program email addre	s: <u>BusinessInfo@roguecc.edu</u>
<b>U</b>	

Core Transfer Requirements	Credits
Writing	
WR121	4
Arts & Letters	
Humanities (Choose from AAOT list)	3-4
Humanities (Choose from AAOT list)	3-4
Social Sciences	
ECON201	4
ECON202	4
Natural Sciences	
Lab Science (Choose from AAOT list)	4-5
Lab Science (Choose from AAOT list)	4-5
Mathematics	
Two Pathways (See Pathway table below for classes)	
Pathway A: Statistics (EOU, PSU, SOU, OIT)	4-5
Pathway B: Calculus (OSU, WOU, UO)	
Core Transfer Requirements Total	30-35**
*At least 1 Core Transfer course must also satisfy Cultural Literacy outcomes for AAOT. **Additional credits taken to reach 30 in the Core Transfer requirements will be applied to the general education categories.	ory associated with them.
Major Transfer Map Courses	Credits
WR227	4
COMM111	4
BA131	4
BA101	4
BA211	4
BA213	4
BA226	4

### Total

28

Pathway A: St	atistics	Pathway B: Calculus (OSU, WOU, UO)		
(EOU, PSU, SO	U, OIT)			
Courses	Credits	Courses	Credits	
MTH111			4	
(OIT only, this is not required at EOU, PSU or SOU)	4	MTH111	(Included in the Core Transfer Requirement Total)	
		MTH251 <sup>1</sup>	5	
	4	MTH243		
MTH243	(Included in the Core Transfer Requirement Total)	(Students transferring to OSU can take BA275 instead of MTH243/MTH244)	4	
MTH244	4	MTH244	4	
(This is not required at EOU and PSU)		(WOU Students do not need MTH244. Students transferring to OSU can take BA275 instead of MTH243/MTH244.)		
Total	0-8		9-13	
Additional General Education		Additional General Education		
(EOU, PSU, S	GOU)	(OSU, WOU, UO, OIT)		
Lab Science	4-5	(See recommended additional courses		
(Choose from AAOT list. This can be a non-lab at SOU. This is not required for OIT.)		to reach 90 credits)		
Total	4-5		0	
Section Total	4-13		9-13	
Grand Total (Core + Major)	Pathway A Total: 62-75		Pathway B Total: 67-75	
	Additional Courses	to Reach 90 Credits	-	
	See an advisor for re	ecommended courses		
Work closely with a Business Adviso ing degree requirements. These courses is VITAL that you work with an Advisor at y course credits varies from one university	or to select your courses (15-28 cro may be General Education and/or your current school to plan your ne to another.	edits) from the course categories below th lower division Business Electives at the ur eeded courses for the university that you v	at will help you fulfill any remain- niversity you wish to attend. It vish to attend, as the transfer of	

#### Please be aware when selecting courses:

Only 12 credits of CTE can be applied toward the MTM

Only 3 credits of PE can be applied toward the MTM

Arts & Letters (3-4 credits per class): Business Ethics	Social Science (3-4 credits per class):	Science (3-4 credits per class): Global Ecology & Conservation	Business Courses (3-4 cred- its per class):
Art History	Anthropology		Depending on the area you wish to focus on in Business
Intercultural	Geography		one or more business elective(s)
Communication	Psychology (social/cognitive)		your advisor for guidance.
Philosophy	Sociology (cultural/social change/diversity)		
Music/Theater Literacy	US Government Politics &		
World Literature	History		
Writing	Global Civilization		
	Women's Studies		

<sup>1</sup> MTH112 is a prerequisite.

For more information, contact the Business Department:	
Phone	
Email	BusinessInfo@roguecc.edu
Web address	www.roguecc.edu/business
ΠΥ	Oregon Telecom Relay Service, 711
https://www.oregon.gov/highered/institutions-programs/ccwd/Documents/Transfer%20MOUs/Biology%20MOU%202020%2002.25.22%20Final.pdf	- /

# Associate of Science Transfer (AST) - Computer Science

#### About the Program

Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30- credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM.

#### **Program Learning Outcomes**

Develop software using both structured and object-oriented paradigms that meets the requirements of a written specification.

Explain the software development lifecycle and the specific tools and processes used to create software.

Design, analyze, and implement algorithms to solve computational problems using various data structures as problem-solving tools. These data structures must include arrays, stacks, queues, linked lists, trees, and hash tables.

#### TOTAL PROGRAM CREDITS

Program email address: <u>ComputerScienceInfo@roguecc.edu</u>

CORE TRANSFER REQUIREMENTS See an advisor for recommended courses before your first term	
Writing	
WR121	4
Arts & Letters	
Humanities - Choose from AAOT-approved courses	3-4
Humanities - Choose from AAOT-approved courses	3-4
Social Sciences	

1 <sup>st</sup> course - Choo	se from AAOT-approved	courses		3-4	
2 <sup>nd</sup> course - Choo	ose from AAOT-approve	d courses		3-4	
Natural Sciences					
	Select two lab science courses; this selection should occur after deciding between OSU/PSU/UO and EOU/ SOU/WOU clusters				
2 courses	OSU/PSU/UO: I	Phys 211-212 OR	Chem 221-222 OR Bio 211-212		
	EOU/SOU/WOL	J: any two lab scie	ence courses		
Mathematics					
2 courses	MATH 111, MATH 112			8	
At least 1 Core Tr	ansfer Requirement co	urse must also be	e an AAOT-approved Cultural Literacy Course.		
Core Transfer Rec	quirement Total			31-38	
		ADDIT	IONAL MAJOR TRANSFER MAP COURSES		
		See	an advisor for recommended courses		
	EOU/SOU/WOU cluster OSU/PSU/UO cluster				
General Educatio	on				
Writing	WR122	3-4	WR227	3-4	
Oral Communica- tion	COMM111	3-4	COMM111	3-4	
Major Requirem	ents				
Computer	CS160, CS161,	16	CS160, CS161, CS162, CS260	16	
Science	CS162, CS260		CS205 <sup>2</sup>	4-5	
Mathematics	MTH251, 252	8	MTH251-252	8	
Discrete Math			MTH231-232 or CS250, 251	8	
Natural Sciences			Complete sequence done under CTM: PH213, BI 213, or CHEM223	4-5	
		20.20		46-50	
Additional MTM Courses Fotal		30-32		40.00	
Additional MTM Courses Total <b>Electives</b>	Elective courses to 90 credits	20-29	Elective courses to 90 credits	2-13	

https://www.oregon.gov/highered/institutions-programs/ccwd/Documents/Transfer%20MOUs/FINAL%20CS%20MOU%204.28.22.pdf

# Associate of Arts Oregon Transfer (AAOT) - Elementary Education

### About the Program

Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30- credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM.

CORF TRANSFER REQUIREMENTS

The statewide Elementary Education Major Transfer Map (MTM) will use the Associate of Arts Oregon Transfer degree (AAOT-ELEM ED).

#### **Program Learning Outcomes**

- Apply critical thinking to analyze social issues necessary to support the function of public education.
- Describe culturally-responsive pedagogy and integration of social justice into a teaching philosophy.
- Identify the ethics and responsibilities necessary to obtain a professional license in the teaching field and clarify career confirmation.

#### TOTAL PROGRAM CREDITS

Program email address: <u>ECEInfo@roguecc.edu</u>

O	n
7	v

Writing		
WR121	A student must have eight credits of Writing to satisfy the AAOT requirements or they will need to take a third writing course	4
Arts & Letters		
1 <sup>st</sup> course	ENG104, 105, or 106	4
2nd course	ART115 or ART131	3
Social Sciences		
1 <sup>st</sup> course	HST201 or 202	4
2 <sup>nd</sup> course	GEOG110 or GEOG120 or ANTH110	4
Natural Sciences		
1 <sup>st</sup> course	BI101 w/lab or approved AAOT Lab Life Science course	4
2 <sup>nd</sup> course	Earth Sciences w/lab	4
Mathematics		-
MTH 211		4-5
***At least 1 Core Transfer Requ	uirement course must also satisfy Cultural Literacy outcomes for AAOT	
**** Courses must total minim	um of 30 credits, can be filled by an elective credit if needed	
Core Transfer Requirement	Total	31-32
	ADDITIONAL GENERAL EDUCATION COURSES	
See an advisor for recor	mmended courses and to learn about professional elementary education programs andapplication pro	cesses
	WR122*	
Writing	* A student must have eight credits of Writing to satisfy the AAOT requirements or they will need to take a third writing course	4

Communications	COMM111	4		
Arts & Letters	Select from AAOT outcomes	3-4		
	Students interested in the WOU 4 Yr. licensure program can also take linguistics			
	200-level world languages also recommended			
3rd Social Science	American Government	3-4		
4th Social Science	Psychology class PSY201 or 202	3-4		
Natural Sciences	3rd lab Science from AAOT course list w/lab or discussion section	4-5		
Math	MTH212	4-5		
Math	MTH213	4-5		
Health	Health and Wellness	2-3		
Section Total		31-38		
	EDUCATION COURSES*			
* Each public university will accept at least Introduction to Education	3 out of the 5 courses as meeting major requirements. One of those 3 must be EducationFo	oundations/		
See an advisor for recommended courses a	nd to learn more about professional elementary education programs and applicationproce	sses		
Education Foundations/Introduction to Education 3-4				
Child Development/ Learning & Development				
Multicultural Education/Culturally Re	sponsive Pedagogy	3-4		
Special Education		3-4		
Practicum	Practicum			
Section Total				
Grand Total				
ELECTIVES				
Elective courses to reach 90 credits (S	ee recommended electives on page 3)	0-13		
MAJOR TRANSFER MAP TOTAL				
		1		

4 Yr. Licensure and Non-Licensure Programs			
See an advisor for recommended courses and to learn more about these programs and the application processes			
4 Yr. Licensure			
Programs	Other Degree Programs		

SOU-4 Yr. Licensure & Non- licensure	WOU-4 Yr. Licensure	EOU-4 Yr. Licensure	OSU Cas- cades-4 Yr. Licensure (program available in 2021)	OSU-Teach- ing Under- graduate Major (Clini- cally Based Elementary)	UO- 4 Yr. Non- licensure (to obtain a teaching license students must applyto a graduate degree and licensure program)
SOU requires a 2.75 GPA for entrance and nothing less than a C- in any required course (education or other- wise). Exceptions made on a case by case basis.	All "ED" prefix courses (or courses that sub in for ED prefix courses) must be a B- or better. Students need to have a 2.75 by the time they apply for the "Ed program" at the end of junior year.	Preference for cumulative GPA of 3.0, exceptions made on a case by case basis. Education courses must have a C- or better to transfer.	Preference for cumulative GPA of 3.0, exceptions made on a case by case basis. Education courses must have a C or better to transfer.	Minimum course grade is a C and GPA requirement is 3.0. Exceptions may be made and students may be conditionally accepted on a case by case basis. OSU will provide condi- tionally accepted students support to help them reach their goals	Minimum cumulative GPA for admissions consideration is 2.75. Exceptions may be made on a case by case basis. Education courses must have a C- or better to transfer.

Recommended Electives			
See an advisor for recommended courses and to learn more about these programs and the application processes			
	Degree Programs		
rivyians			

SOU-4 Yr. Licensure & Non- licensure		I-4 Yr. Licensure	EOU-	-4 Yr.	OSU	Cascades-	OSU-	Teaching	U0-4	4 Yr.	
		Licensure		4 11.	4 fr. Licensure	Unde	ergraduate	Non-	licensure		
								Majo Basec Licens availa	r (Clinically I Elementary) sure (program ble in 2021)	(to ob licens apply degre progr	otain a teaching se students must v to a graduate ee and licensure ram)
Reco	mmended:	Reco	mmend:	Reco	mmended:	Reco	mmended:	Reco	mmended:	•	Recom-
	WR 123		Children's Lit		Early Childhood Ed Course		Early Child-		Early Child-		Ethnic Stud-
	Early Childhood Ed		(needs to be a	п	Children's Litera-		Course		Tid Course		ies Farly Child
	Children's Literature		ture course/not literacy methods)		ture				Eu Course		hood Ed Course
			Creative arts for teachers course								WR 123
			LING 210								

For more information, contact the Early Childhood and Elementary Education Department:	
Phone	
Email	<u>ECEInfo@roquecc.edu</u>
Web address	<u>www.roguecc.edu/ecee</u>
ΠΥ	Oregon Telecom Relay Service, 711
https://www.oregon.gov/highered/institutions-programs/ccwd/Documents/Transfer%20MOUs/Elementary%20Education%20MOU%20Updates%204.28.22.pdf	

# Associate of Arts Transfer (AAT) - English Literature

### About the Program

Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30- credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM. The statewide English Literature Major Transfer Map (MTM) will use the Associate of Arts Transfer degree formats.

### **Program Learning Outcomes**

Demonstrate understanding of literary works in context, including the ways texts engage notions of genre, culture, history, class, race, gender, and sexuality.

Use a variety of written, verbal, and multimodal forms to respond to and analyze literary texts and contexts.

<b>TOTAL PROG</b> Program email ad	GRAM CREDITS ddress: <u>HumanitiesInfo@roquecc.edu</u>		90
Course No.	Course Title	Alternate Course	Comments
Program P MTH95 WR115	Prerequisites Intermediate Algebra Introduction to Expository Writing	MTH96	
	Prerequisites credits vary based on Placement Score(s): 0-7		
<b>Term 1</b> WR121 MTH105 CG100 ENG204 LIB127	Check-in with Advisor English Composition I Introduction to Contemporary Math College Success and Survival Survey of English Literature: Medieval to Renaissance Introduction to Academic Research	MTH111, MTH211, or MTH243 ENG201/ENG253 or any elective course	or any 2-4 credit elective course or any ENG course
	Term Credits: 15		
<b>Term 2</b> WR122 ENG205 COMM111 GS104 GS104L	English Composition II Survey of English Literature: 18th Century to Romantic Fundamentals of Public Speaking Physical Science: Physics Physical Science: Physics Lab	ENG202/ENG254 COMM218	WR227 – check with Advisor or any ENG course COMM115 or approved AAOT Lab Science Lab transfer course (credits vary) or approved AAOT Lab Science transfer course (credits vary)
	Term Credits: 16		
<b>Term 3</b> ENG206 ENG109 GS107	Survey of English Literature: Victorian to Modern World Literature: Enlightenment to Modern Physical Science: Astronomy w/ lab	ENG203/ENG255	or any ENG course or any ENG course or approved AAOT Lab Science course (credits vary)
GS107L	Physical Science: Astronomy Lab		or approved AAOT Lab Science course (credits vary)
HST104	World Civilizations: Prehistory – Middle Ages		or approved AAOT Social Science course (credits vary)
	Term Credits: 16		
Term 4	Check-in with Advisor		
GS108	Physical Science: Oceanography w/Lab		or approved AAOT Lab Science course (credits vary)
GS108L	Physical Science: Oceanography Lab		or approved AAOT Lab Science course (credits vary)
PHL101	Philosophical Problems		or approved AAOT Humanities course,

HST105 SPAN101	World Civilizations: Byzantium - Present First Year Spanish I <sup>1</sup>	SPAN201	cannot be ENG prefix or approved AAOT Social Science course or any 4-credit course
	Term Credits: 16		
Term 5			
PSY201 ENG107 SPAN102	General Psychology I World Literature: Ancient to Classical First Year Spanish II 1	SPAN202	or approved AAOT Social Science course or any ENG course or other 4-credit course
	Term Credits: 12		
Term 6			
NFM225 PSY202	Nutrition General Psychology II		or approved AAOT Science course (credits vary) or approved AAOT Social Science course
HE250	Personal Health		or approved Health/PE/Recreation course (minimum 3 credits required)
SPAN103	First Year Spanish III 1	SPAN203	or any 4-credit course
	Term Credits: 15		
1 Two years of a For more informatio	a college-level world language is required for a Bachelor of on, contact the Humanities Department:	Arts degree.	
Phone	· · · · · · · · · · · · · · · · · · ·		
Email			<u>HumanitiesInfo@roguecc.edu</u>
Web address			
ΠΥ			Oregon Telecom Relay Service, 711
https://www.oregor	n.gov/highered/institutions-programs/ccwd/Documents/Transfer%2	0MOUs/English%20MOU%204.28.22.pc	df

# **Construction Trades, General Apprenticeship**

### Associate of Applied Science Degree

## About the Program

The Construction Trades, General Apprenticeship program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The degree is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice-ship in an Oregon state apprenticeship program, contact the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>.

RCC supports the following BOLI-ATD trades: HVAC/R, plumber and sheet metal (8,000-hour trades). The Assembler, Pre-Engineered Metal Building program (4,000-hour trade) 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 a limited entry program available only to BOLI-registered apprentices.

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 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 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 Southern Oregon University'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 <u>www.sou.edu/degreecompletion</u>.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program Learning Outcomes for the Construction Trades General Apprenticeship Associate of Applies Science are:

Complete a minimum of 4000 to 8000 hours State of Oregon-approved on-the-job training (OJT).

Repair, install and maintain building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations.

Seventy-five percent of applicants will have documented trade-specific skills listed on the Construction Trades, General Apprenticeship Outcomes Assessment Tool.

Complete a minimum of 288 to 576 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

#### **Entry Requirements**

Students are required to show documentation when applying that they meet the minimum requirements to apply to the desired Apprenticeship Program.

Students are required to complete the Placement Process 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 scores.

### **Advanced Standing**

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the Department Chair.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee.

#### Pre-requisite (PEMB students only)

MTH63

Applied Algebra I or designated placement score or higher-level math

0-4

### **General Education Requirements**

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science class, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years <sup>1</sup>	0-2
HE112	Emergency First Aid	1

Math for HVAC, Pl	umber, Sheet Metal students only:	
MTH60	Fundamentals of Algebra Lor MTUG2 Applied Algebra Lor bishey lovel methods were	4
	MIHOS Applied Algebra For higher-level math course	4
Math for PEMB Stu	udents only:	
MTH65	Fundamentals of Algebra II or	
	MTH96 Applied Algebra <sup>2</sup> or higher-level math course	4
WR115	Introduction to Expository Writing <sup>3</sup>	3
WR121	English Composition I <sup>3</sup>	4
Total General Education Credits		15-17
<b>Credit for Pr</b>	ior Certification (Work-based Learning) <sup>4</sup>	
Course No.	Course Title	Credits
APR105	Apprenticeship Credit for Prior Learning	
•	HVAC/R – 22 credits	
•	Assembler, Pre-Engineered Metal Buildings – 11 credits	
•	Plumber – 22 credits	
•	Sheet Metal – 22 credits	
Total Credit for Prior Certification		11-22
HVAC/R		

Course No.	Course Title	Credits
APR107A	Apprenticeship/HVAC: Basics	4
APR107B	Apprenticeship/HVAC: Air Conditioning and Refrigeration	4
APR107C	Apprenticeship/HVAC: Safety and Environmental Controls	4
APR107D	Apprenticeship/HVAC: Electrical Basics	4
APR107E	Apprenticeship/HVAC: Electrical Circuit I	4
APR107F	Apprenticeship/HVAC: Electrical Circuit II	4
APR207A	Apprenticeship/HVAC: Systems I	4
APR207B	Apprenticeship/HVAC: Systems II	2
APR207C	Apprenticeship/HVAC: Systems III	2
APR207D	Apprenticeship/HVAC: Airflow and Systems Control I	4
APR207E	Apprenticeship/HVAC: Airflow and Systems Control II	4
APR207F	Apprenticeship/HVAC: Operations and Systems Review	4
Total HVAC Cre	dits	44

# Assembler Pre-Engineered Metal Buildings (PEMB)

Course No.	Course Title	Credits
APR109A	Apprenticeship/Success and Leadership in the Construction Industry	2
APR125A	Apprenticeship/Introduction to Pre-Engineered Metal Buildings (PEMB)	2
APR125B	Apprenticeship/Pre-Engineered Metal Buildings Rigging, Staging, Assembly	2
APR125C	Apprenticeship/PEMB Framing	2
APR125D	Apprenticeship/PEMB Openings, Finishes, and Roof	2
APR125E	Apprenticeship/PEMB Exterior Finishing, Project Documents	2
APR125F	Apprenticeship/Construction Cutting and Welding	2
<b>Total Assemble</b>	r PEMB Credits	14

#### Plumber

Course No.	Course Title	Credits
APR111A	Apprenticeship/Introduction to Plumbing Skills	4
APR111B	Apprenticeship/Plumbing Principles I	4
APR111C	Apprenticeship/Plumbing Principles II	4
APR111D	Apprenticeship/Mathematics of Plumbing and Commercial Drawing	4
APR111E	Apprenticeship/Water Piping and Fixture Installation	4
APR111F	Apprenticeship/Installation of DWV Systems and Water Heaters	4
APR211A	Apprenticeship/Water Supply Systems	4
APR211B	Apprenticeship/Plumbing DWV and Compressed Air Systems	4
APR211C	Apprenticeship/Plumbing Backflow Prevention	4
APR211D	Apprenticeship/Review of Oregon Plumbing Code	4
APR211E	Apprenticeship/Test Preparation I	4
APR211F	Apprenticeship/Test Preparation II	4

#### **Total Plumbing Credits** 48 Sheet Metal **Course Title** Credits Course No. Apprenticeship/Introduction to Sheet Metal APR118A 3 APR118B Apprenticeship/Introduction to Duct Lay Out 3 Apprenticeship/Parallel Line Development 3 APR118C 3 Apprenticeship/Applied Field Practices APR118D Apprenticeship/Architectural Sheet Metal 3 APR118E Apprenticeship/Round Fittings 3 APR118F 3 Apprenticeship/Duct Design APR218A 3 APR218B Apprenticeship/Field Math Apprenticeship/Triangulation 3 APR218C Apprenticeship/Industry Standards 3 APR218D Apprenticeship/Specialty Items 3 APR218E APR218F Apprenticeship/Advanced Sheet Metal 3 **Total Sheet Metal Credits** 36 **Approved Program Electives Course No. Course Title** Credits Any college-level course (numbered 100 or above) to meet minimum degree requirement 3-50 **MINIMUM TOTAL PROGRAM CREDITS** 90 1 Required for graduation. 2 Math requirements vary by track within the Construction AAS degree. For planning, see a program advisor. 3 6-8 credits total is needed, which can be a combination of two Writing courses, or one Writing and one Communication course. Course options include, BT113, BT114, COMM100, COMM111, COMM218, WR115, and WR121. Students transferring to a four-year institution should consult an academic advisor prior to course selection. 4 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: Phone ..... ... 541-956-7500

# **Construction Trades, General Apprenticeship**

# **Certificate of Completion**

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## 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 the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. 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 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 industry electives. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

## **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program Learning Outcomes for the Construction Trades General Apprenticeship Certificate of Completion are:

Complete a minimum of 4000 to 8000 hours State of Oregon-approved on-the-job training (OJT).

Repair, install, and maintain building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations.

Complete a minimum of 288 to 576 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

#### **Entry Requirements**

Students are required to show documentation when applying that they meet the minimum requirements to apply to the desired Apprenticeship Program. Students are required to complete the Placement Process 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 scores.

### **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.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

### **General Education Requirements**

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science class, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years 1	0-2
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		10-12

#### HVAC/R **Course Title** Credits **Course No.** Apprenticeship/HVAC: Basics APR107A 4 APR107B Apprenticeship/HVAC: Air Conditioning and Refrigeration 4 Apprenticeship/HVAC: Safety and Environmental Controls APR107C 4 Apprenticeship/HVAC: Electrical Basics APR107D 4 APR107E Apprenticeship/HVAC: Electrical Circuit I 4 Apprenticeship/HVAC: Electrical Circuit II APR107F 4 Apprenticeship/HVAC: Systems I 4 APR207A 2 Apprenticeship/HVAC: Systems II APR207B Apprenticeship/HVAC: Systems III 2 APR207C Apprenticeship/HVAC: Airflow and Systems Control I APR207D 4 Apprenticeship/HVAC: Airflow and Systems Control II APR207E 4 Apprenticeship/HVAC: Operations and Systems Review APR207F 4 **Total HVAC Credits** 44 Plumber

Course No.	Course Title	Credits
APR111A	Apprenticeship/Introduction to Plumbing Skills	4
APR111B	Apprenticeship/Plumbing Principles I	4
APR111C	Apprenticeship/Plumbing Principles II	4
APR111D	Apprenticeship/Mathematics of Plumbing and Commercial Drawing	4
APR111E	Apprenticeship/Water Piping and Fixture Installation	4
APR111F	Apprenticeship/Installation of DWV Systems and Water Heaters	4
APR211A	Apprenticeship/Water Supply Systems	4
APR211B	Apprenticeship/Plumbing DWV and Compressed Air Systems	4
APR211C	Apprenticeship/Plumbing Backflow Prevention	4
APR211D	Apprenticeship/Review of Oregon Plumbing Code	4
APR211E	Apprenticeship/Test Preparation I	4
APR211F	Apprenticeship/Test Preparation II	4
<b>Total Plumbing</b>	Credits	48

Sheet Metal		
Course No.	Course Title	Credits
APR118A	Apprenticeship/Introduction to Sheet Metal	3
APR118B	Apprenticeship/Duct Lay Out	3
APR118C	Apprenticeship/Parallel Line Development	3
APR118D	Apprenticeship/Applied Field Practices	3
APR118E	Apprenticeship/Architectural Sheet Metal	3
APR118F	Apprenticeship/Round Fittings	3
APR218A	Apprenticeship/Duct Design	3
APR218B	Apprenticeship/Field Math	3
APR218C	Apprenticeship/Triangulation	3
APR218D	Apprenticeship/Industry Standards	3
APR218E	Apprenticeship/Specialty Items	3
APR218F	Apprenticeship/Advanced Sheet Metal	3
Total Sheet Me	etal Credits	36
TOTAL PROGR	AM CREDITS	46-60
1 Required for graduat	tion.	
For more information, conta	ct the Apprenticeship Department:	
Phone		
Email		ApprenticeshipInfo@roguecc.edu
Web address		

# Construction Trades General Apprenticeship: Assembler, Pre-Engineered Metal Buildings Apprenticeship

## **Career Pathway Certificate of Completion**

### About the Program

The Assembler, Pre-Engineered Metal Building 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, onthe-job work experience with trade-related theoretical instruction. This certificate is a limited entry program available only to BOLI-registered apprentices. To find out more about apprenticeship go to https://www.oregon.gov/BOLI/ATD/Pages/A\_AG\_FAQ.aspx#apply

... Oregon Telecom Relay Service, 711

You must apply to the Rogue Community College Apprenticeship office if you are interested in becoming a registered apprentice in an Oregon state apprenticeship program. Contact the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. RCC supports this 4,000-hour BOLI-ATD trades: Assembler Pre-Engineered Metal Building.

The certificate is a credential within Rogue Community College's Assembler, Pre-Engineered Metal Building Apprenticeship. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a Bachelor 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.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program Learning Outcomes for the Construction Trades General Apprenticeship Assembler, Pre-Engineered Metal Buildings Career Pathway Certificate are:

Complete a minimum of 4000 hours State of Oregon approved on-the-job training (OJT).

Assemble pre-engineered metal buildings using best practices for safety, staging, layout, assembly, and related activities in accordance with state regulations.

Complete a minimum of 296 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

#### **Entry Requirements**

Students are required to show documentation when applying that they meet the minimum requirements to apply to the desired Apprenticeship Program. Students are required to complete the Placement Process 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 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.

### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

#### Prerequisite

APR125E

APR125F

MTH63	Applied Algebra I or designated placement score or higher-level math	0-4
General Edu	cation Requirements	
Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science class, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years	0-2
HE112	Emergency First Aid	1
MTH65	Fundamentals of Algebra II or	
	MTH96 Applied Algebra <sup>1</sup>	4
WR115	Introduction to Expository Writing or higher-level composition	3-4
Total General E	ducation Credits	11-14
Assembler Pre-Eng	ineered Metal Building (PEMB)	
Course No.	Course Title	Credits
APR109A	Apprenticeship/Success and Leadership in the Construction Industry	2
APR125A	Apprenticeship/Introduction to Pre-Engineered Metal Buildings (PEMB)	2
APR125B	Apprenticeship/Pre-Engineered Metal Buildings: Rigging, Staging, Assembly	2
APR125C	Apprenticeship/PEMB Framing	2
APR125D	Apprenticeship/PEMB Openings, Finishes, and Roof	2

#### Apprenticeship/Construction Cutting and Welding **Total Assembler PEMB Credits** TOTAL PROGRAM CREDITS REQUIRED

1 Advising is encouraged to meet the specifics of your educational goals.

For more information, contact the Apprenticeship Department: Phone ..... 541-956-7500 Web address 

Apprenticeship/PEMB Exterior Finishing, Project Documents

# **Electrician Apprenticeship Technologies**

Associate of Applied Science Degree

### About the Program

The Electrician Apprenticeship Technologies program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The degree is available only to BOLI-registered apprentices or electricians holding a journey-level card. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact the Apprenticeship office at ApprenticeshipInfo@roquecc.edu. 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 trans-

2

2

14

25-28

fer opportunities, ladder-type certificates of completion, and an optional transfer path into a Bachelor 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.

#### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for Electrician Apprenticeship Technologies Associate of Applied Science are:

Complete a minimum of 4,000 to 8,000 State of Oregon-approved on-the-job-training. Apply theory to electrical wiring.

Repair and install electrical wire devices according to licensure regulations to meet National Electrical Code (NEC) and Oregon Specific Code (OSC) guidelines.

Seventy-five percent of applicants will have documented trade-specific skills listed on the Electrician Apprenticeship Trades Outcomes Assessment Tool.

Complete a minimum of 576 State of Oregon-approved related training hours in the classroom.

Complete all required related training with a grade of C or better.

#### **Entry Requirements**

Students are required to show documentation when applying that they meet the minimum requirements to apply to the desired Apprenticeship Program. Students are required to complete the Placement Process 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 scores.

### **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.

#### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee.

#### **General Education Requirements**

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science class, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years <sup>1</sup>	0-2
HE112	Emergency First Aid	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
Total General Education Credits		15-17
<b>Credit for Pr</b>	ior Certification (Work-based Learning) <sup>3</sup>	
Course No.	Course Title	Credits
APR105	Apprenticeship Credit for Prior Learning	11-22
	• Limited Electrician – 11 credits	
	<ul> <li>Inside Electrician – 22 credits</li> </ul>	
	<ul> <li>Manufacturing Plant Electrician – 22 credits</li> </ul>	
	<ul> <li>Sign Assembler/Maker – 22 credits</li> </ul>	
<b>Total Credit for</b>	Prior Certification	11-22
<b>Related Train</b>	ning	
Limited Maintena	nce Electrician	
Course No	Course Title	Credits

Course No.	Course Title	Credits
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4

APR127C	Apprenticeship/Electrical Theory III	4
APR227A	Apprenticeship/National Electrical Code I	4
APR227B	Apprenticeship/National Electrical Code II	4
APR227C	Apprenticeship/National Electrical Code III	4
Total Limited Maintenance Electrician Credits		24

#### Inside Electrician

Course No.	Course Title	Credits
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory III	4
APR127D	Apprenticeship/Advanced Electrical I	4
APR127E	Apprenticeship/Advanced Electrical II	4
APR127F	Apprenticeship/Advanced Electrical III	4
APR227A	Apprenticeship/National Electrical Code I	4
APR227B	Apprenticeship/National Electrical Code II	4
APR227C	Apprenticeship/National Electrical Code III	4
APR227D	Apprenticeship/Oregon Electrical License Preparation I	4
APR227E	Apprenticeship/Oregon Electrical License Preparation II	4
APR227F	Apprenticeship/Oregon Electrical License Preparation III	4
Total Inside Ele	ctrician Credits	48

#### **Total Inside Electrician Credits**

#### Manufacturing Plant Electrician

Course No.	Course Title	Credits
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory III	4
APR127D	Apprenticeship/Advanced Electrical I	4
APR127E	Apprenticeship/Advanced Electrical II	4
APR227A	Apprenticeship/National Electrical Code I	4
APR227B	Apprenticeship/National Electrical Code II	4
APR227C	Apprenticeship/National Electrical Code III	4
APR227D	Apprenticeship/Oregon Electrical License Preparation I	4
APR227E	Apprenticeship/Oregon Electrical License Preparation II	4
APR227F	Apprenticeship/Oregon Electrical License Preparation III	4
Total Manufacturing Plant Electrician Credits		44

#### Sign Assembler/Maker

Course No.	Course Title	Credits
APR116E	Apprenticeship/Millwright: Welding I	2
APR116F	Apprenticeship/Millwright: Welding II	2
APR118A	Apprenticeship/Introduction to Sheet Metal	3
APR118B	Apprenticeship/Introduction to Duct Lay Out	3
APR118C	Apprenticeship/Parallel Line Development	3
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory II	4
APR216C	Apprenticeship/Millwright: Drafting	3
APR216F	Apprenticeship/Millwright: Rigging	4
APR227E	Apprenticeship/Oregon Electrical License Preparation II	4
APR227F	Apprenticeship/Oregon Electrical License Preparation III	4
Total Sign Asse	mbler/Maker Credits	40
Approved Pr	ogram Electives	

#### Credits Course No. **Course Title** Any college-level course (numbered 100 or above) to meet minimum degree requirement \_\_\_ 3-40 MINIMUM TOTAL PROGRAM CREDITS REQUIRED 90

1 Required for graduation.

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 (COMM100 Basic Communication, COMM111 Fundamentals of Public Speaking, or COMM218 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:

Phone	
Email	
Web address	
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# **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 the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. RCC supports the following 8,000-hour BOLI-ATD trades: inside electrician, limited manufacturing plant electrician, and sign assembler/maker.

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 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 National Electrical Code (NEC) and Oregon Specific Codes (OSC). It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

### **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program Learning Outcomes for the Electrician Apprenticeship Technologies Certificate of Completion are:

Complete a minimum of 8000 hours State of Oregon-approved on-the-job training (OJT).

Repair and install electrical wire devices according to licensure regulations to meet NEC and OSC guidelines.

Repair and install electrical wire devises according to licensure regulations to meet NEC and OSC for inside electrician, limited energy technicianlicense A, limited manufacturing plant electrician, sign assembler/fabricator, sign maker/erector, and stationary engineer.

Complete a minimum of 576 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

### **Entry Requirements**

Students are required to complete the Placement Process 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 scores.

### **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 Pathway Certificates can be applied to other certificates and degrees in the Career Pathway. For more information, speak to a program advisor.

### **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

### **General Education Requirements**

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years <sup>1</sup>	0-2
MTH60	Fundamentals of Algebra I or	
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	MTH63 Applied Algebra I or higher-level math course	4
WR115	Introduction to Expository Writing or higher-level composition course	3
Total General	Education Credits	10-12

# **Related Training**

# Inside Electrician

Course No.	Course Title	Credits
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory III	4
APR127D	Apprenticeship/Advanced Electrical I	4
APR127E	Apprenticeship/Advanced Electrical II	4
APR127F	Apprenticeship/Advanced Electrical III	4
APR227A	Apprenticeship/National Electrical Code I	4
APR227B	Apprenticeship/National Electrical Code II	4
APR227C	Apprenticeship/National Electrical Code III	4
APR227D	Apprenticeship/Oregon Electrical License Preparation I	4
APR227E	Apprenticeship/Oregon Electrical License Preparation II	4
APR227F	Apprenticeship/Oregon Electrical License Preparation III	4
Total Inside Ele	ctrician Credits	48

# Manufacturing Plant Electrician

Course No.	Course Title	Credits
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory III	4
APR127D	Apprenticeship/Advanced Electrical I	4
APR127E	Apprenticeship/Advanced Electrical II	4
APR227A	Apprenticeship/National Electrical Code I	4
APR227B	Apprenticeship/National Electrical Code II	4
APR227C	Apprenticeship/National Electrical Code III	4
APR227D	Apprenticeship/Oregon Electrical License Preparation I	4
APR227E	Apprenticeship/Oregon Electrical License Preparation II	4
APR227F	Apprenticeship/Oregon Electrical License Preparation III	4
Total Manufacto	uring Plant Electrician Credits	44

# Sign Assembler/Maker

Course No.	Course Title	Credits
APR116E	Apprenticeship/Millwright: Welding I	2
APR116F	Apprenticeship/Millwright: Welding II	2
APR118A	Apprenticeship/Introduction to Sheet Metal	3
APR118B	Apprenticeship/Introduction to Duct Lay Out	3
APR118C	Apprenticeship/Parallel Line Development	3
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory II	4
APR216C	Apprenticeship/Millwright: Drafting	3
APR216F	Apprenticeship/Millwright: Rigging	4
APR227E	Apprenticeship/Oregon Electrical License Preparation II	4
APR227F	Apprenticeship/Oregon Electrical License Preparation III	4
<b>Total Sign Asse</b>	embler/Maker Credits	40
TOTAL PROGR	AM CREDITS REQUIRED	50-60

1 Required for graduation.

# 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 the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. RCC supports the 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 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 National Electrical Code (NEC) and Oregon Specific Codes (OSC). It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program Learning Outcomes for the Electrician Apprenticeship Technologies Limited Certificate of Completion are:

Complete 4000 hours State of Oregon-approved on-the-job-training (OJT).

Repair and install electrical wire devices according to licensure regulations to meet NEC & OSC guidelines.

Repair or install electrical wire devices according to limited licensure regulations to meet NEC and

OSC code for limited energy technician-license B, limited maintenance electrician, limited renewable energy technician, and limited residential electrician.

Complete a minimum of 288 State of Oregon-approved related training hours in the classroom.

Complete all required related training with a grade of C or better.

# **Entry Requirements**

Students are required to complete the Placement Process 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 scores.

# **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 Pathway Certificates can be applied to other certificates and degrees in the Career Pathway.

# **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

# **Related Training**

Course No.	Course Title	Credits
APR127A	Apprenticeship/Electrical Theory I	4
APR127B	Apprenticeship/Electrical Theory II	4
APR127C	Apprenticeship/Electrical Theory III	4
APR227A	Apprenticeship/National Electrical Code I	4
APR227B	Apprenticeship/National Electrical Code II	4
APR227C	Apprenticeship/National Electrical Code III	4
TOTAL PROGRAM CREDITS REQUIRED		24
For more information, contact	t the Apprenticeship Department:	

<u>ApprenticeshipInfo@roquecc.edu</u>
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, onthe-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 the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. 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 of Science degree at Oregon Tech. If students intend to transfer to Southern Oregon University'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 <a href="https://www.sou.edu/degreecompletion">www.sou.edu/degreecompletion</a>.

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.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for Industrial Mechanics and Maintenance Technology Apprenticeship Associate of Applied Science are:

Complete a minimum of 4000 to 8000 hours State of Oregon approved on-the-job training (OJT).

Repair, install and maintain industrial equipment using trade specific tools and techniques in compliance with state regulations.

Complete a minimum of 288 to 576 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

# **Entry Requirements**

Students are required to complete the Placement Process 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 scores.

# **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.

# **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee.

# **General Education Requirements**

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years <sup>1</sup>	0-2
HE112	Emergency First Aid	1
MTH60	Fundamentals of Algebra I or	
	MTH63 Applied Algebra I or higher-level math	4
WR115	Introduction to Expository Writing <sup>2</sup>	3
WR121	English Composition I <sup>2</sup>	4
Total General E	ducation Credits	15-17

<b>Credit for Pri</b>	ior Certification (Work-based Learning) <sup>3</sup>	
<b>Course No.</b> APR105	Course Title Apprenticeship Credit for Prior Learning • Airframe and Power Plant Technician – 16 credits • Boiler Operator – 11 credits • Millwright – 22 credits	<b>Credits</b> 11-22
Total Credit for	Prior Certification	11-22
Airframe and Powe	er Plant Technician	
<b>Course No.</b> APR129A APR129B APR129C APR129F APR229A APR229B	Course Title Apprenticeship/Aviation Overview Apprenticeship/Aircraft Systems I Apprenticeship/Aircraft Systems II Apprenticeship/Basic Electrical Theory Apprenticeship/Power Plant Systems and Flight Controls Apprenticeship/Structural Inspection and Repair	Credits 6 6 3 6 6
APR229C	Apprenticeship/Avionics	4
TOTAL PROGRA	AM CREDITS REQUIRED	37
Boiler Operator &	Repairer	
Course No. APR120A APR120B APR120C APR120D APR120E APR120E APR120F	<b>Course Title</b> Apprenticeship/Boiler Operator: Introduction to Boiler Operation Apprenticeship/Boiler Operator: Mechanics of Steam Generated Power Apprenticeship/Boiler Operator: Boiler Component Design and Operation Apprenticeship/Boiler Operator: Steam Turbine Operation Apprenticeship/Boiler Operator: Instrumentation and Control Devices Apprenticeship/Boiler Operator: Installation and Operation of the Heating Boiler	<b>Credits</b> 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
TOTAL PROGRA	AM CREDITS REQUIRED	24
Millwriaht		
Course No. APR116A APR116B APR116C APR116C APR116C APR116E APR216A APR216B APR216C APR216C APR216C APR216F TOTAL PROGRA Approved Pr	Course Title Apprenticeship Millwright/Basic Electricity Apprenticeship Millwright/Carpentry Apprenticeship Millwright/Power Transmissions Apprenticeship Millwright/Boilers Apprenticeship Millwright/Welding I Apprenticeship Millwright/Welding II Apprenticeship Millwright:/Machine Shop I Apprenticeship Millwright:/Machine Shop I Apprenticeship Millwright:/Drafting Apprenticeship Millwright: Hydraulics and Pneumatics I Apprenticeship Millwright: Rigging MCREDITS REQUIRED Yogram Electives	Credits 4 2 4 2 2 4 2 2 2 2 4 2 2 4 2 2 4 32
Course No.	Course Title	Credits
MINIMUM TOTA 1 Required for graduation.	Any college-level course (numbered 100 or above) to meet minimum degree requirement AL PROGRAM CREDITS REQUIRED	14-40 <b>90</b>

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 (COMM100 Basic Communication, COMM111 Fundamentals of Public Speaking, or COMM218 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:	
Phone	
Email	<u>ApprenticeshipInfo@roguecc.edu</u>
Web address	
ΠΥ	Oregon Telecom Relay Service, 711
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# 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 the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. 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 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.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Mechanics and Maintenance Technology Apprenticeship Certificate of Completion are:

Complete a minimum of 4000 to 8000 hours State of Oregon approved on-the-job training (OJT).

Repair, install and maintain industrial equipment using trade specific tools and techniques in compliance with state regulations.

Complete a minimum of 288 to 576 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

# **Entry Requirements**

Students are required to complete the Placement Process 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 scores.

# **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.

# **Graduation Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or the Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

# **General Education Requirements**

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
	PSY101 Psychology of Human Relations	3
CIS	Approved Computer Information Science or Computer	
	Science course, CIS120/CS120 or above, or documented computer	
	proficiency within the past ten years <sup>1</sup>	0-2
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 E	ducation Credits	10-12
Millwright		

Course No.	Course Title	Credits
APR116A	Apprenticeship Millwright/Basic Electricity	4
APR116B	Apprenticeship Millwright/Carpentry	2
APR116C	Apprenticeship Millwright/Power Transmissions	2
APR116D	Apprenticeship Millwright/Boilers	4
APR116E	Apprenticeship Millwright/Welding I	2
APR116F	Apprenticeship Millwright/Welding II	2
APR216A	Apprenticeship Millwright/Machine Shop I	2
APR216B	Apprenticeship Millwright/Machine Shop II	2
APR216C	Apprenticeship Millwright/Drafting	4

ΔPR216D	Apprenticeship Millwright/Hydraulics and Pneumatics I	2
	Apprentices in priming it in your and the and the and the	2
APR216E	Apprenticeship Millwright/Hydraulics and Pneumatics II	2
APR216F	Apprenticeship Millwright/Rigging	4
Total Millwrig	ht Credits	32
TOTAL PROGRAM CREDITS REQUIRED		42-44
1 Required for gradu	ation.	
For more information, con	tact the Apprenticeship Department:	
Phone		
Email		<u>ApprenticeshipInfo@roguecc.edu</u>
Web address		www.roguecc.edu/apprenticeship
ΠΥ		Oregon Telecom Relay Service, 711

# Industrial Mechanics and Maintenance Technology: Mechanical Maintenance Apprenticeship

**Career Pathway 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 the Apprenticeship office at <u>ApprenticeshipInfo@roguecc.edu</u>. 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 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.

# **Program Learning Outcomes**

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for the Industrial Mechanics and Maintenance Technology Mechanical Maintenance Apprenticeship Career Pathway Certificate are:

Complete 4000 hours State of Oregon-approved on-the-job-training (OJT).

Repair, install and maintain industrial equipment using trade specific tools and techniques in compliance with state regulations.

Complete a minimum of 288 to 440 State of Oregon-approved related training hours in the classroom.

Complete required related training with a grade C or better.

# **Entry Requirements**

Students are required to complete the Placement Process 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 scores.

# **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.

# **Completion Requirements**

Students must complete all courses in this program with a grade of "C" or better to receive their certificates. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This certificate does not guarantee licensure.

# **Related Training**

# Airframe and Power Plant Technician

Course No.	Course Title	Credits
APR129A	Apprenticeship/Aviation Overview	6
APR129B	Apprenticeship/Aircraft Systems I	6
APR129C	Apprenticeship/Aircraft Systems II	6
APR129F	Apprenticeship/Basic Electrical Theory	3

APR229A APR229B APR229C	Apprenticeship/Power Plant Systems and Flight Controls Apprenticeship/Structural Inspection and Repair Apprenticeship/National Electrical Code III	6 6 4
TOTAL AIRFRA	ME AND POWER PLANT TECHNICIAN PROGRAM CREDITS REQUIRED	37
<b>Boiler Operator &amp;</b>	Repairer	
Course No.	Course Title	Credits
APR120A	Apprenticeship/Boiler Operator: Introduction to Boiler Operation	4
APR120B	Apprenticeship/Boiler Operator: Mechanics of Steam Generated Power	4
APR120C	Apprenticeship/Boiler Operator: Boiler Component Design and Operation	4
APR120D	Apprenticeship/Boiler Operator: Steam Turbine Operation	4
APR120E	Apprenticeship/Boiler Operator: Instrumentation and Control Devices	4
APR120F	Apprenticeship/Boiler Operator: Installation and Operation of the Heating Boiler	4
TOTAL BOILER	OPERATOR AND REPAIRER PROGRAM CREDITS REQUIRED	24
For more information, contac	t the Apprenticeship Department:	
Phone		
Email		<u>ApprenticeshipInfo@roguecc.edu</u>
Web address.		<u>www.roguecc.edu/apprenticeship</u>
ΠΥ		Oregon Telecom Relay Service, 711

# Continuing Education and Workforce Development

# **Continuing Education**

# www.roguecc.edu/ContinuingEducation

Continuing Education provides learning opportunities to enhance fulfillment and personal success of residents in the RCC service area. Learning events are in line with and focused on the community's needs in all areas of workforce/business, private/public organizations and personal enrichment.

Continuing Education classes and services include the following:

- American Heart Association CPR
- Arts & Craft
- Certified Production Technician
- Commercial Truck Driver Training
- Community Health Worker
- Computer Training
- Culinary
- Driver Education
- Forklift Operator Safety Training
- Home & Garden
- Language
- Massage Therapy CEUs
- Music & Theater
- Nursing Assistant I
- Peer Support Specialist
- Personal Finance & Retirement
- Property Management License Training
- Real Estate Broker License Training

# **Community Education**

# www.roguecc.edu/CommunityEd

541-956-7303

Grants Pass: Redwood Campus, 3345 Redwood Hwy, A Bldg

Medford: Riverside Campus, Higher Ed Ctr, 101 S. Bartlett

White City: Table Rock Campus, 7800 Pacific Ave.

Community Education classes are short, non-credit classes. Many classes meet in evenings or Saturdays. All course listings are updated quarterly and viewable at above website.

# **Commercial Truck Driver Training**

# www.roguecc.edu/truck

541-956-7303

RCC is one of the area's premier truck driving schools and our training provides a Non-Credit Training Certificate (NCTC), approved by the Oregon Higher Education Coordinating Commission (HECC). To apply visit the website above.

# **American Heart Association Training Center**

www.roguecc.edu/heart

# 541-956-7011

RCC Continuing Education is part of the American Heart Association Training Center Network serving Southern Oregon. As an AHA Training Center, we ensure that CPR classes are taught to American Heart Association standards and that each CPR class we offer meets or exceed the quality demanded by the nation's leading CPR training agency. Our Training Center promotes the mission of the AHA by offering quality training courses in basic life support to the community.

# **Customized Training**

www.roguecc.edu/Workforce

Jackson or Josephine counties. 541-956-7303

RCC Continuing Education can customize workforce training for local employers. Contact us for details.

# **Driver Education**

www.roguecc.edu/DriverEd

541-956-7116

- High School Driver Training
- Adult Driver Training

# Workforce Training

www.roguecc.edu/Workforce

Jackson or Josephine counties, 541-956-7303

Workforce training focuses on vocational, professional development and training that meets industry-specific criteria to enhance job skills of incumbent workers.

Workforce development activities benefit job seekers, unemployed or displaced 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 Certified Production Technician, Commercial Truck Driver Training, Forklift, and Nursing Assistant, Community Health Worker, and Peer Support Specialist. Training is held in a handson setting with state-of-the-art equipment and trade-experienced instructors. Most trainings are offered as noncredit, certificate of completion status, but many also offer Continuing Education Units (CEUs).

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.

# **Small Business Development Center**

sbdc.roguecc.edu/small-business-management

541-956-7494

The Small Business Development Center (SBDC) is a communitybased technical assistance resource available to both existing and prospective small businesses.

The RCC Small Business Development Center welcomes you to our new offices on the Rogue Community College Redwood Campus, Building B, located just off Redwood Highway/199, at the West Entrance.

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.

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.
- Business Loan Packaging.
- Financial Analysis.
- Bookkeeping and Recordkeeping.
- CCB and LCB Continuing Education.
- Construction/Contractor pre-licensing.
- Strategic Planning.

# Illinois Valley Business Entrepreneurial Center (IVBEC)

Kerby Belt Building, 24353 Redwood Hwy., Kerby, OR | 541-956-7400

The RCC SBDC provides an accessible rural outreach center located in the Kerby building training 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, a computer lab, and a commercial kitchen available to entrepreneurs.

# 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 businesses 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.

# **Course Descriptions**

# www.roguecc.edu/CourseDescriptions

# AH – ALLIED HEALTH

**Career and Technical Courses** 

#### AH22 (3 credits) Healthcare Calculations

Teaches the calculations involved in the preparation and administration of pharmacological products. Topics include converting measurements, dosage calculations, dilutions, concentrations, dimensional analysis, flow duration, volume per hour, drip rates, and TPN milliliterequivalents. Prerequisite: MTH20 or designated placement score.

#### 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 and usage. Prerequisites: RD90 and WR90 (WR91 substitutes for both) or designated placement scores.

#### AH101 (3 credits) Medical Assistant I: Administrative

Covers a variety of topics including the role and scope of the medical assistant in a clinical front office environment. This includes an overview of recordkeeping, documentation and Electronic Health Records software. Students will be responsible for knowing insurance and billing, patient scheduling, and screening for patient check in are also included. Prerequisite: Admission to the Medical Assistant Certificate program.

### AH102 (4 credits) Medical Assistant II: Clinical

Covers clinical topics for medical assisting. Students will learn how to collect a patient's history, prepare them for their appointments, provide instruction on patient care, take vital sign measurements, and assist provider with patient care. Calculating, administering, and recording medication will be addressed. Specimen collection, processing procedures, the use of personal protective equipment and infection control, and OSHA policies and procedures will be taught and reinforced. Prerequisite: Admission to the Medical Assistant Certificate program.

#### AH103 (4 credits) Medical Assistant III: Specialty

Prepares students for medical assisting in specialty clinics. Students will learn how to perform specialty techniques and recognize the differences in treatment and diagnosis based on area of specialty. Students will demonstrate communication techniques that promote equity and diversity in each specialty area. Additionally, students will learn about clinical management and human resources in healthcare. Prerequisite: Admission to the Medical Assistant Certificate program.

# AH104 (3 credits) Phlebotomy

Introduces students to the concept of phlebotomy, including, but not limited to venipuncture procedures, specimen processing, and safety and compliance considerations. Additionally, the course prepares students to take the National Healthcareer Association (NHA), Certification Phlebotomy Technician (CPT) exam. Successful completion of this course, along with 30 unaided, successful venipunctures and 10 capillary collections on live individuals, will make students eligible to sit for the NHA CPT credential. This credential allows students to work as a nationally certified phlebotomist for 2 years, before certification renewal is required. Prerequisite: Acceptance into the Phlebotomy or Medical Assistant Certificate programs.

#### AH105 (3 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: WR115 or BT113 or higher-level composition course, and permission of Instructor.

#### AH107 (2 credits) Electrocardiograms (ECG)

# Electrocardiograms (ECG) for Medical Assistants

This course focuses on a basic introduction and understanding of electrocardiograms (ECGs) and other cardiac procedures. 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 and how to interpret various rhythms, and how to perform an ECG within a clinical setting. Prerequisites: Admission into the Medical Assistant program, and successful completion of all prior program courses.

#### AH108 (2 credits) Introduction to Pharmacology for Medical Assistants

Introduction of pharmacology, from safety and regulations, through medication preparation and dosages. This course will focus on patient conditions related to medications, interactions, and effects of medications on the human body. Prerequisites: Admission into the Medical Assistant program, and successful completion of all prior program courses.

# 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. Prerequisites: Admission to an Allied Health program, and AH100.

# AH120 (4 credits) Medical Office Assistant I

The first of two courses that prepare students for careers as medical administrative assistants. Introduces the concepts and skills related to patient and facility scheduling, patient intake, office logistics, privacy, and basic workplace safety. Prerequisite: Acceptance into the Medical Office Assistant program. Corequisite: AH120L

### AH121 (4 credits) Medical Office Assistant II

Builds upon the themes and skills introduced in Medical Administrative Assistant I. Focuses on the integration of the skills for the medical office setting and covers more in-depth issues in office processes, patient privacy, patient rights and responsibilities, and safety in the workplace. Prerequisite: Acceptance into the Medical Office Assistant program, and AH120.

#### AH123 (2 credits) Legal and Ethical Issues for Medical Personnel

Exposes students to a variety of legal and ethical dilemmas, helping students become more prudent and confident medical assistants or medical administrative assistants. Classroom content includes the legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. Prerequisite: Acceptance into the Medical Office Assistant, Medical Assistant, or Pharmacy Technician Certificate programs.

#### AH130 (4 credits) Concepts in Medical Insurance and Billing

Explores the fundamentals of health insurance, reimbursement processes and methodologies, billing cycles, payment systems, fee schedules, charge master, and internal audit processes. Includes an introduction to how health information technology is used in medical offices. Students will learn how to apply this information to enter patient charges and payments. Prerequisite: Acceptance into any Allied Health program.

#### AH150 (2 credits) Introduction to Practicum and Seminar

Provides students an extensive overview of the practicum experience and prepares students for the challenges of their role in the healthcare industry. Content includes program policies and procedures (safety, HIPAA, student conduct and competency documentation), phases of student development, role of the student intern, and expectations for communication and workplace behavior. In preparation for clinical placement students will identify technical and soft skills required for the position they are in training for. Prerequisite: Acceptance into any Allied Health certificate program

#### AH165 (2 credits) Introduction to Pharmacology for Pharmacy Technicians

Introduces the world of pharmacology as relevant to pharmacy technicians, including, medication preparations and dosages, patient conditions related to medications and the effects medications have on the patient's body. It also addresses the pharmacological issues of special populations such as pediatrics, neonatal, and geriatrics. Prerequisite: Acceptance into the Pharmacy Technician Certificate program.

#### AH170MAP (8 credits) Medical Assistant Practicum

Provides hands-on clinical experience. Students work each week in a host site as part of the patient care team and experience first-hand the various operations within primary, specialty and/or urgent care settings. Duties will be assigned according to students' skill level and the work needs of the host site. Students will participate in five seminars in which students discuss expectations and reflect on experiences. Seminars are attended and moderated by an instructor, who uses the feedback gained to evaluate current practicum experiences and improve future practicum experiences. Students will be expected to expand their skill set during the sequence. Prerequisite: Acceptance into the Medical Assistant Certificate program.

# AH170MOA (3 credits) Medical Office Assistant Practicum

Provides hands-on clinical experience. Students work each week in a host site as part of the administrative healthcare team and experience first-hand the various operations within primary, specialty and/or urgent care settings. Duties will be assigned according to students' skill level and the work needs of the host site. Students will participate in three seminars during the term - an orientation seminar to discuss expectations for the term; a midterm seminar to discuss current activities and exchange details on experiences; and a concluding seminar to reflect on work experiences. Students will be expected to expand their skill set during the sequence. Prerequisite: Acceptance into the Medical Office Assistant Certificate program.

#### AH170PHL (2 credits) Phlebotomy Practicum

Provides hands-on clinical experience. Students work each week in a host site as part of the patient care team and experience first-hand the various operations within primary, specialty and/or urgent care settings. Duties will be assigned according to students' skill level and the work needs of the host site. Students will participate in three seminars during the term. Prerequisite: Acceptance into the Phlebotomy Career Pathway Certificate program.

# AH170PRX (3 credits) Pharmacy Technician Practicum

Provides hands-on clinical experience. Students work in a host site as part of the pharmacy team and experience first-hand the various operations within different pharmacy settings. Duties will be assigned according to students' skill level and the work needs of the host site. Students will participate in three seminars during the term. Seminars are attended and moderated by an instructor, who uses the feedback gained to evaluate current practicum experiences and improve future practicum experiences. Prerequisite: Acceptance into the Pharmacy Technician Certificate program.

# AH199 (variable credits) Allied Health Special Studies

Selected topics of study in Allied health are offered on demand through seminars, lecture/lab and or web. This course is designed to: provide the local medical community served by Rogue Community College with a variety of subject offerings designed to address educational needs for medical staff unique to the area; and provide flexibility in meeting competency or skill requirements in the changing medical environment. Prerequisites: May vary depending on program and subject offerings.

#### AH202 (2 credits) Infection Control for the Healthcare Professional

Designed to prepare students for the following sections: patient and 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. Prerequisite: Acceptance into the Pharmacy Technician Certificate program.

# AM – AUTOMOTIVE TECHNOLOGY

#### **Career and Technical Courses**

# AM111 (2 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 troubleshooting techniques. Course is required for all entering Automotive Technology students, or waiver for equivalent work experience and ASE Electrical Systems certification. Prerequisites: AM120, AM120L and AM122, AM122L.

#### AM111L (4 credits) Electricity for Automotive Technicians Lab

Lab associated with AM111.

#### AM120 (2 credits) Automotive Maintenance and Practices

Introduces students to industry expectations related to professionalism. Includes communication in the workplace, effective employee/employer relations, and job search skills. Course is for second-year students only. Corequisites: MTH20, and BT113 or WR115 or designated placement score(s), and an Automotive or Diesel Technology student enrolled as a declared major in the program.

# AM120L (4 credits) Automotive Maintenance and Practices Lab

Lab associated with AM120.

#### AM122 (3 credits) Gasoline Engines Rebuild

Reviews theory and construction of various gasoline internal combustion engines and how to rebuild, service, inspect, and repair them. Corequisites: MTH20 and BT113 or WR115 or designated placement score(s).

#### AM122L (4 credits) Gasoline Engines Rebuild Lab Lab associated with AM122.

#### AM131 (3 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: AM120, AM120L or AM122, AM122L.

AM131L (4 credits) Engine Dynamics and Diagnosis Lab Lab associated with AM131.

#### AM141 (3 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, AM111L and AM120, AM120L.

#### AM141L (3 credits) Manual Transmissions and Transaxles Lab

Lab associated with AM141.

#### AM151 (2 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, AM111L and AM120, AM120L.

# AM151L (4 credits)

Automotive Brake Systems Lab Lab associated with AM151.

#### AM160 (2 credits) Auto 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, AM111L and AM120, AM120L.

#### AM160L (4 credits) Auto Suspension and Steering Systems Lab Lab associated with AM160.

# 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, AM111L and AM120, AM120L.

#### AM199 (variable credits) Special Topics: Automotive

Focuses study in a variety of mechanical technology topics to fulfill specific educational goals. Prerequisites: AM111, AM111L and AM120, AM120L and a declared major in the Automotive Technology program.

#### AM210 (1 credit) Mechanical Careers Development

Introduces students with industry expectations related to professionalism. Includes communication in the workplace, effective employee/employer relations, and job search skills. Course is for second-year students only. Prerequisites: AM111, AM111L and AM120, AM120L.

#### AM232 (3 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. Prerequisites: AM131, AM131L.

# AM232L (4 credits)

Computerized Engine Management Systems Lab

Lab associated with AM232.

#### AM233 (4 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. Prerequisites: AM232, AM232L.

#### AM233L (3 credits) **Advanced Automotive Computer** Systems Lab Lab associated with AM233.

#### AM242 (3 credits) Automatic Transmissions and Transaxles

Covers theory of operation, diagnosis, maintenance, and repair of automotive automatic transmissions and transaxles. Prerequisites: AM141, AM141L.

#### AM242L (4 credits) Automatic Transmissions and **Transaxles Lab** Lab associated with AM242.

#### AM270 (2 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, AM111L and AM120, AM120L.

#### AM270L (3 credits) Air Conditioning for Automotive **Technicians Lab** Lab associated with AM270.

#### AM280 (variable credits) **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. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

### 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.

# ANTH – ANTHROPOLOGY

# Lower Division Collegiate

#### ANTH110 (4 credits) Introduction to Cultural Anthropology

Examines human social organizations, the meaning of culture and its diverse forms and structures, cultural growth and expansion, and the nature of cultural change. Explores various key anthropological topics that may include language, ritual, kinship, the arts, globalization, religion and political and economic structures. Examples are drawn from small scale societies and from industrialized societies. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement score.

### ANTH150 (4 credits) Introduction to Archaeology

Provides an introduction to the science of archaeology: its history, methods, and theory. Citing examples from the prehistoric world, it examines the nature of archaeological data, the application of techniques, and the extrapolation of culture from the archaeological record. In doing so, it illustrates the relationship of culture to environment, a variety of ideas regarding past culture change, and the role of modern archaeology in preserving the past for the future. Fulfills both the social science and cultural literacy requirements within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement score.

### ANTH199 (variable credits) **Special Studies: Anthropology**

Selected topics of study in anthropology are offered on demand through workshops, seminars, lecture, lab, and/ or independent study format. Prerequisite: May vary depending on subject offerings.

# **APR – APPRENTICESHIP**

# Apprenticeship

#### APR105 (11-22 credits) Apprenticeship: Credit for Prior Certification

Credit awarded for documented work-based learning for registered apprentices and journey persons.

# APR107A (4 credits) **Apprenticeship/HVAC: Basics**

The course provides an introduction of the fundamentals of refrigeration, common refrigeration tools and materials, as well as basic refrigeration systems, compression systems and compressors. The course also includes Basic First Aid. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

#### APR107B (4 credits) Apprenticeship/HVAC: Air **Conditioning and Refrigeration**

Covers the introduction and fundamentals of refrigeration that includes: refrigerant controls; domestic refrigerators and freezer; service and installation of small hermetic system; commercial system; hazard communication and safe practices. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

#### APR107C (4 credits) Apprenticeship/HVAC: Safety and **Environmental Controls**

Includes refrigerant composition, recovery requirements and Environmental Protection Agency (EPA) rules in HVAC. Students will gain the knowledge to successfully test for the required EPA Card. Topics include: chlorofluorocarbon refrigerants (CFC) composition; refrigerant recovery, recycling and reclaiming; Environmental Protection Agency (EPA) Rules; EPA regulations/air conditioning and refrigeration; and preparation for testing for the EPA Certification Card. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

### APR107D (4 credits) **Apprenticeship/HVAC: Electrical** Basics

The course includes basic electrical theory including OHM's Law, circuit schematics symbols, circuit characteristics, as it applies to DC and AC circuits in the HVAC industry. Topics include: electrical safety; electrical theory; electrical schematics and component symbols; electrical testing equipment/ meters; electrical-magnetic fundamentals. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

#### APR107E (4 credits) **Apprenticeship/HVAC: Electrical** Circuit I

The course includes components, symbols and circuitry of air conditioning wiring diagrams, alternating current power distribution, and voltage systems as it pertains to installation of heating, cooling and refrigeration systems. Components and operation of the basic electrical motor will be included. Prerequisite: Registered Apprentice with the Rogue Valley HVAC/R JATC.

### APR107F (4 credits) **Apprenticeship/HVAC: Electrical** Circuit II

This course covers common control components found in HVAC systems. Specific devices include contactors, relays and overloads, thermostats, pressure switches and other electric control devices, and heating control devices. Prerequisite: Registered Apprentice with Rogue Valley HVAĊ/R JATC.

#### APR109A (2 credits) Success and Leadership in the **Construction Industry**

Introduces employment opportunities in the construction industry as well as the roles and responsibility of the employee. Focuses on teamwork, leadership, and career success. Prerequisite: Acceptance into a BOLI registered Apprenticeship program.

#### APR111A (4 credits) Apprenticeship/Introduction to **Plumbing Skills**

Provides an introduction to plumbing materials and tools encountered in the plumbing trade, and their safe usage. On successful completion students will be able to identify common tools and materials and explain their use. Apprentices will know how to use MSDS as a tool read and create simple blueprints, and locate ORS and OARs that impact plumbing applications and licensed plumbers. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

# APR111B (4 credits)

Apprenticeship/Plumbing Principles I

Provides the plumbing apprentice with knowledge to combine appropriate tools with materials required for the job. Students will use math and science principles in completion of plumbing tasks. Intermediate blueprint reading skills will be included in the course. An overview of fixture types, operation of water heaters and other hot water systems along with characteristics of water in pressure piping will be included. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

# APR111C (4 credits)

Apprenticeship/Plumbing Principles II Upon satisfactory completion, the student will be able to safely and efficiently use hand and power tools in the

plumbing trade, render isometric drawings from blueprints, define the characteristics of water, select proper water pipe size, and explain the principle of backflow prevention and hot water heaters. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR111D (4 credits) Apprenticeship/Mathematics of Plumbing and Commercial Drawing

Reviews methods for finding angles using the Pythagorean Theorem. Students will interpret and use civil, architectural, structural, mechanical plumbing and electrical drawings when installing plumbing systems. Techniques to create isometric drawings, material takeoffs and approved submittal data will be included. Methods are introduced for attaching and running DWV and water supply piping in relation to structural elements and code requirements. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR111E (4 credits) Apprenticeship/Water Piping and Fixture Installation

Includes techniques for installation and testing of water supply piping, installation of basic plumbing fixtures and an introduction to the principles of electricity common to plumbing-related electrical applications. Code requirements will be included for each section. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR111F (4 credits) Apprenticeship/Installation of DWV Systems and Water Heaters

Gives the apprentice the knowledge to install a complete drain, waste and vent (DWV) system, techniques for installing common drains according to code and review of types of valves and their applications. Identification, troubleshooting and repair of water heaters, fixtures and valves will also be included. The course is designed to provide the knowledge required to pass the Oregon Plumber Licensing Examination. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR116A (4 credits) Apprenticeship/Millwright: Basic Electricity

A one-term course intended to supplement on-the-job training with technical training required for trade comprehension, applications, and practices. The apprentices will have a basic understanding of electrical theory, safety procedures when working with electrical equipment and installation, features of an electrical schematic, electricity measurements and industrial applications of AC and DC motors. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

#### APR116B (2 credits) Apprenticeship/Millwright: Carpentry

Provides an overview of carpentry skills needed by the journeyman millwright. Topics include shop safety, hand, stationary and pneumatic tool operation, and construction methods. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

### APR116C (2 credits) Apprenticeship/Millwright: Power Transmission

Provides an overview of carpentry skills needed by the journeyman millwright. Topics include shop safety, hand, stationary and pneumatic tool operation, and construction methods. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

### APR116D (4 credits) Apprenticeship/Millwright: Boilers

The course provides the apprentice with technical training required for trade-specific comprehension, application, and practice in the operation and maintenance of boilers. The course supplements the skills and experience in required on-the-job training. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

#### APR116E (2 credits) Apprenticeship/Millwright: Welding I

This course is intended to supplement on-the-job welding experience by enhancing the apprentice's knowledge, understanding, and views of commonly used cutting and welding processes encountered as a journeyman Millwright. Special emphasis will be placed on safety, maintenance of equipment, and fabrication on the worksite. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

# APR116F (2 credits) Apprenticeship/Millwright: Welding II

Welding II is a comprehensive one term training for advanced apprentices who have completed Welding I and have on-the job welding experience. Course will enhance the apprentice's knowledge and ability to complete cutting and welding processes requiring more knowledge and skill. This class will meet the safety, maintenance and fabrication needs of a journeyman millwright. Prerequisites: Registered Apprentice with the Southern Oregon Millwright JATC; APR116E.

#### APR118A (3 credits) Apprenticeship/Sheet Metal: Introduction to Sheet Metal

Apprentices will properly apply job site safety practices and show competence in the use of basic drafting equipment and fabricating equipment to lay out and fabricate basic sheet meal projects in the classroom on paper and in the shop in metal. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR118B (3 credits) Apprenticeship/Sheet Metal: Introduction to Duct Lay Out

The course topics include measurement of materials, lay out and fabrication of basic duct work using the parallel line method and mathematical formulas. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR118C (3 credits) Apprenticeship/Sheet Metal: Parallel Line Development

This is an advanced course in lay out and fabrication of sheet metal projects using the parallel line method. Fittings will first be drawn on paper that includes all dimensions and specifications. The layout will be used as a pattern in fabrication the fitting. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR118D (3 credits) Apprenticeship/Sheet Metal: Applied Field Practices

The apprentice will select appropriate screws, bolts, rivets and other fasteners or hangers for specific sheet metal installation or fabrication applications. Special attention will be given to common filed installation practices. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

### APR118E (3 credits) Apprenticeship/Sheet Metal: Architectural Sheet Metal

The apprentice will fabricate sheet metal gutter, flashings and roofing according to design specifications so that water will properly drain off of a structure without penetration. Instruction will include copper soldering techniques using copper soldering irons and bar solder. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR118F (3 credits) Apprenticeship/Sheet Metal: Round Fittings

The apprentice will lay out and fabricate round fittings using the following development methods: Radial line; Parallel line; and Triangulation. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR120A (4 credits) Apprenticeship/Boiler Operator: Introduction to Boiler Operation

Provides an introduction to the safety considerations, theory, tools, machinery, mathematics, blueprint reading and their applications in energy generation. Prerequisite: Registered Apprentice with Southern Oregon Boiler Operators JATC.

#### APR120B (4 credits) Apprenticeship/Boiler Operator: Mechanics of Steam Generated Power

The course provides the apprentice with an understanding of the thermodynamics of steam and the theory of combustion. Factors including air flow, gas removal, fuel characteristics, equipment design, and water chemistry will be included. Prerequisite: Registered Apprentice with Southern Oregon Boiler Operators JATC.

#### APR120C (4 credits) Apprenticeship/Boiler Operator: Boiler Component Design and Operation

The course prepares the apprentice to conduct tests for water chemistry, proper installation of valves, steam traps, soot blowers, boiler startup and documentation of procedures and operation to assure efficient steam generation safely. Prerequisite: Registered Apprentice with Southern Oregon Boiler Operators JATC.

#### APR120D (4 credits) Apprenticeship/Boiler Operator: Steam Turbine Operation

The course provides an overview of steam turbine design, applications and maintenance. The principles of basic electricity and motor control theory pertinent to power generation and transmission will be included. Prerequisite: Registered Apprentice with Southern Oregon Boiler Operators JATC.

#### APR120E (4 credits) Apprenticeship/Boiler Operator: Instrumentation and Control Devices

The course introduces the apprentice to instrumentation and control devices used with various input/output mediums. Instruments required to take measurements in assessing the status of boiler operations will be introduced with detailed instruction of proper usage. Safety and efficient operation of the boiler will be a consideration in all discussions of control devices. Prerequisite: Registered Apprentice with Southern Oregon Boiler Operators JATC.

#### APR120F (4 credits) Apprenticeship/Boiler Operator: Installation and Operation of the Heating Boiler

The course will provide detailed construction, installation and maintenance information for heating, hot water, water tube, tubular and cast iron sectional boilers. Topics will include refractors, insulation, fittings, controls, basic refrigeration and security in the plant. Prerequisite: Registered Apprentice with Southern Oregon Boiler Operators JATC.

#### APR125A (2 credits) Apprenticeship/Introduction to Pre-Engineered Metal Buildings (PEMB)

An introduction to the terminology, methods, and sequencing used in the erection of pre-engineered metal buildings. Includes safety, tool use, and interpreting construction drawings. Prerequisite: MTH63 or designated placement score. Corequisite: APR109A.

#### APR125B (2 credits) Apprenticeship/ Pre-Engineered Metal Buildings Rigging, Staging, Assembly

Overview focusing on the initial operations for PEMB assembly. Prerequisite: APR125A.

# APR125C (2 credits) Apprenticeship/ PEMB Framing

Instruction in advanced rigging techniques and framing methods for PEMB. Prerequisite: APR125B.

#### APR125D (2 credits) Apprenticeship/ PEMB Openings, Finishes, and Roof

Instruction for framing openings in PEMB buildings, installing rough finishes, and roof assemblies. Prerequisite: APR125C.

#### APR125E (2 credits) Apprenticeship/ PEMB Exterior Finishing, Project Documents

Covers the finishing details for a PEMB and provides a focused examination of the construction project documents Prerequisite: APR125D.

#### APR125F (2 credits) Apprenticeship/ Construction Cutting and Welding

An introduction to welding in the field and in the shop with a focus on PEMB projects. Prerequisite: APR125D.

# APR127A (4 credits)

Apprenticeship/Electrical Theory I

Electrical Theory I is designed to familiarize the beginning electrical apprentice with both practical and theoretical aspects of electricity and electrical circuits. Prerequisite: Registered Apprentice.

# APR127B (4 credits)

Apprenticeship/Electrical Theory II

Electrical Theory II is designed to familiarize the beginning electrical apprentice with more advanced aspects of electrical theory and math. Prerequisite: Registered Apprentice.

#### APR127C (4 credits) Apprenticeship/Electrical Theory III

Electrical Theory III is designed to familiarize the beginning electrical apprentice with advanced aspects of electrical theory, math, and power distribution. Prerequisite: Registered Apprentice

### APR127D (4 credits) Apprenticeship/Advanced Electrical I

The course expands electrical theory to three phase circuits, function and operation of single and three phase transformers, DC motors and generators, one and three phase motors and alternators, and calculations required for operation of circuits and transformers. Prerequisite: Registered Apprentice.

# APR127E (4 credits)

**Apprenticeship/Advanced Electrical II** This course is designed for the Inside Wireman Electrical Apprentice. Instruction includes Residential code calculations, motors, generators, transformers, blueprint reading, branch circuits, ampacity, and conduit fill. Prerequisite: Registered Apprentice.

# APR127F (4 credits)

**Apprenticeship/Advanced Electrical III** This course is designed to increase understanding of formulas and tables used in calculating sizing of conductors, branch circuits, breakers and junction boxes. Applications will apply to single phase and three-phase loads. A variety of motor control circuit functions including two and three wire control, peripheral devices, interlocks, and Programmable Logic Controllers (PLC's) will be covered. Prerequisite: Registered Apprentice.

#### APR129A (6 credits) Apprenticeship/Aviation Overview

Serves as an overview of the aviation industry, regulations and technology. Four segments of the aviation industry will be targeted including: Aviation as a Career; FARS and Technical Publications; Basic Physics and Basic Aerodynamics; Weight and Balance; Ground Handling; Human Factors and Risk Management; Blueprints; Drawings, Geometric Dimensioning and Tolerances. Prerequisite: Registered Apprentice with Southern Oregon Aviation JATC.

#### APR129B (6 credits) Apprenticeship/Airframe and Power Plant Mechanics: Aircraft Systems I

Provides a detailed understanding of electronics with aviation applications. Six segments will be included: Aircraft Electrical Circuits test equipment and Fault Isolation; Repair/Identification Damage and Broken Aircraft Electrical Wires; Cables and Connectors; Aircraft Hydraulic Systems; Landing Gear Systems; Aircraft Brake Systems and Aircraft Flotation Systems. Prerequisite: Registered Apprentice with Southern Oregon Aviation JATC.

#### APR129C (6 credits) Apprenticeship/ Airframe and Power Plant Mechanics: Aircraft Systems II

Provides a basic understanding of fixed wing and rotary wing systems and drive train. Seven segments will be included: Propellers and Propeller Systems, Helicopter Power Train Systems, Aircraft Fuel Systems, Aircraft Fire Detection and Fire Protection Systems, Environmental Control Systems, Anti-ice/De-ice Systems and Structural Material Identification. Prerequisite: Registered Apprentice with Southern Oregon Aviation JATC.

#### APR129F (3 credits) Apprenticeship/Basic Electrical Theory

The course will guide the student through the basics of electricity up through electrical systems in regards to aviation and aircraft. Special emphasis will be given to: Introduction to basic electricity, Chemical Energy, Aircraft Batteries, Magnetism, Types of electricity, Production of electricity, Electrical relationships, Ohms law, Direct Current electricity, Alternating Current electricity, Circuits and components, Electrical Motors, Generators and Aircraft Circuits. This course is designed to prepare for the FAA licensing examination. Prerequisite: Registered Apprentice with Southern Oregon Aviation JATC or properly registered student taking additional aviation related training.

#### APR207A (4 credits) Apprenticeship/HVAC: Systems I

This course is designed to develop the ability to perform residential/commercial heat-loss calculations for heating systems and size system components. Additional system topics will include: recharging a refrigeration system; service estimates; absorption and compression refrigeration system; and physical principles of air movement and humidity. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

### APR207B (2 credits) Apprenticeship/HVAC: Systems II

This course is designed to provide an understanding of special refrigeration systems and their applications, the fundamentals of air conditioning, basic heating and air conditioning systems and heating and humidification systems. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

#### APR207C (2 credits) Apprenticeship/HVAC: Systems III

The course is a continuation of the systems series and includes cooling and dehumidifying systems, central air conditioning and heat pumps, solar energy systems, advanced air conditioning-heating systems, and automotive air conditioning. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

#### APR207D (4 credits) Apprenticeship/HVAC: Airflow and Systems Controls I

This course provides a review of basic refrigeration and A/C controls in preparation for determining ventilation requirements, calculating duct size, utilization of instruments in checking airflow and draft control. Control systems, control circuit diagrams and architectural blueprints will be used to make calculations. Prerequisite: Registered Apprentice with Rogue Valley HVAC/R JATC.

#### APR207E (4 credits) Apprenticeship/HVAC: Airflow and Systems Controls II

This course is an introduction to the primary concepts that lead to building controls systems including thermostats, pneumatic controls and microprocessor based/ Direct Digital Control (DDC) systems. Servicing, troubleshooting and troubleshooting procedures will be included. Prerequisite: Registered with the Rogue Valley HVAC/R JATC.

#### APR207F (4 credits) Apprenticeship/HVAC: Operation and Systems Review

This course provides review of basic air conditioning, refrigeration, schematics, electrical components, building codes, service and troubleshooting fundamentals covered the during previous terms in preparation for the HVAC-JATC Journeyman's test. Prerequisite: Registered with the Rogue Valley HVAC/R JATC.

#### APR211A (4 credits) Apprenticeship/Water Supply Systems

Provides applied math concepts that include geometry, instruction on how to size water piping in all applications and treatment of potable water for private and public water systems. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR211B (4 credits) Apprenticeship/Plumbing DWV and Compressed Air Systems

Covers sizing Drain, Waste, and Vent (DWV) piping as well as sizing storm drains, roof drains and roof storage and drainage systems. There will be coverage of sewage pumps and sump pumps which includes sizing, installations, troubleshooting and repair. The course will also cover compressed air line installation, sizing and troubleshooting. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

### APR211C (4 credits) Apprenticeship/Plumbing Backflow Prevention

Introduces the principles and hazards of backflow prevention, and reviews different types of vents that can be installed in a drain, waste and vent system. It also covers corrosive waste and reviews the safety issues and hazard communications. Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR211D (4 credits) Apprenticeship/Review of Oregon Plumbing Code

Provides a review of all Oregon state plumbing codes, OSHA rules and the use of mathematics in plumbing in preparation for taking the Oregon Plumber Licensing Examination (OPLE). Prerequisite: Registered Apprentice with Area V Plumbers JATC.

# APR211E (4 credits)

Apprenticeship/Test Preparation I Serves as the first of two designed to review all preceding plumbing apprenticeship classes to prepare for successful passage of the Oregon Plumbing Licensing Exam (OPLE). Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR211F (4 credits) Apprenticeship/Test Preparation II

The second in a series designed to prepare the fourth year apprentice for taking the Oregon Plumber Licensing Examination (OPLE). Prerequisite: Registered Apprentice with Area V Plumbers JATC.

#### APR216A (2 credits) Apprenticeship/Millwright: Machine Shop I

Provides an overview of carpentry skills needed by the journeyman millwright. Topics include shop safety, hand, stationary and pneumatic tool operation, and construction methods. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

#### APR216B (2 credits) Apprenticeship/Millwright: Machine Shop II

Provides an overview of carpentry skills needed by the journeyman millwright. Topics include shop safety, hand, stationary and pneumatic tool operation, and construction methods. Prerequisites: Registered Apprentice with the Jackson County Millwrights JATC, and APR216A.

# APR216C (4 credits) Apprenticeship/Millwright: Drafting

A one-term course that will supplement on-the-job training with technical training required for trade comprehension, applications, and practices. The course introduces the apprentices to basic mechanical drafting techniques. Topics include mathematical calculations used to determine circular, linear, area and volume measurements, drafting terminology, characteristics of various types of drawings, drafting symbols and blueprint interpretation. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

#### APR216D (2 credits) Apprenticeship/Millwright: Hydraulics and Pneumatics I

This course will supplement on-the-job training with technical training required for trade comprehensive, application, and practices. A Vickers hydraulic training power unit is used to demonstrate different aspects of fluid power, which includes pumps, motors, cylinders, manually and electrically-operated directional valves, flow controls, pressure reducing devices, fittings, and various types of piping, hoses, etc. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

#### APR216E (2 credits) Apprenticeship/Millwright: Hydraulics and Pneumatics II

The advanced Hydraulics-Pneumatics course is the second in a series designed to supplement on-the-job training with technical training required for trade comprehensive, application, and practices. A Vickers hydraulic training power unit is used to demonstrate advanced aspects of fluid power, which includes pumps, motors, cylinders, manually and electrically-operated directional valves, flow controls, pressure reducing devices, fittings, and various types of piping, hoses, etc. Prerequisite: Registered Apprentice with the Southern Oregon Millwright JATC, and APR216D.

#### APR216F (4 credits) Apprenticeship/Millwright: Rigging

Prepares the apprentice to apply general and specific rigging applications on the work site that may include lifting and positioning equipment; using ropes, cables, hoists and cranes. Topics include: evolution of rigging systems; mathematics of rigging; basic system principles; rope tying techniques; real work situations; and mobile and stationary crane operation. Prerequisite: Registered Apprentice with the Jackson County Millwrights JATC.

#### APR218A (3 credits) Apprenticeship/Sheet Metal: Duct Design

The course will assist the apprentices to design duct systems to carry the air volume needed while maintaining static pressure and velocities while minimizing air turbulence. Topics included: calculating cubic footage; calculating area; calculating air flow; and duct design. Prerequisite: Registered Apprentice with the South Central Oregon Sheet Metal JATC.

#### APR218B (3 credits) Apprenticeship/Sheet Metal: Field Math

The course will assist the apprentices in making geometric and trigonometric computations used in designing and fabricating sheet metal. Many of the practice calculations will be made in simulated field installations. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

### APR218C (3 credits) Apprenticeship/Sheet Metal: Triangulation

The course assists the apprentice to lay out advanced sheet metal fittings using the triangulation method. Sample sheet metal fittings will be fabricated using metal forming equipment. Field installation scenarios will be used to practice computations. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR218D (3 credits) Apprenticeship/Sheet Metal: Industry Standards

The course assists the apprentice to read blue prints and interpret architectural specifications regarding specific tasks, installation, equipment, accessory and material. Letter designations and symbols will be explained and used to perform duct and flashing take-offs. Abbreviations, scheduling from blueprints and dimensional scale will be used to create a mechanical plan for a small residence. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR218E (3 credits) Apprenticeship/Sheet Metal: Specialty Items

The course assists the apprentice in performing layout and fabrication of: fiberglass duct and fittings; equipment cabinets; duct accessories; and specialty duct fittings. Instruction and practice using oxy-acetylene and plasma cutting equipment and soldering iron techniques will be conducted in the lab. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR218F (3 credits) Apprenticeship/Sheet Metal: Advanced Sheet Metal

The course provides the apprentice with the skills necessary to fabricate using MIG, TIG, ARC and Oxyacetylene techniques. Practice in fabrication of projects using steel and aluminum requiring cutting and welding will be given. The final apprentice project will require design and fabrication of an individual project. Prerequisite: Registered Apprentice with the South-Central Oregon Sheet Metal JATC.

#### APR227A (4 credits) Apprenticeship/National Electrical Code I

The first in a three-part series designed to familiarize the Electrical Apprentice with the current National Electrical Code (NEC) edition. Emphasis will include motor calculations, wire sizing, transformers and trade safety. All topics will include technical applications and NEC implications. Prerequisite: Registered Apprentice.

#### APR227B (4 credits) Apprenticeship/National Electrical Code II

The second in a three-part series designed to familiarize the Electrical Apprentice with the current National Electrical Code (NEC) edition. Emphasis within this course will include box and conduit fill, voltage drops, feeders, branch circuits and service calculations for commercial and residential installations. All topics will include technical applications and NEC implications. Prerequisite: Registered Apprentice.

#### APR227C (4 credits) Apprenticeship/National Electrical Code III

The third in a three-part series designed to familiarize the Electrical Apprentice with the current National Electrical Code (NEC) edition. Emphasis within this course will include NEC lay-out, and grounding vs. bonding systems. All topics will include technical applications and NEC implications. Prerequisite: Registered Apprentice.

#### APR227D (4 credits) Apprenticeship/Oregon Electrical License Preparation I

The first of three courses in a series designed to familiarize Apprentice Electricians with advanced test taking skills and increase their knowledge of the current electrical code. Emphasis will be on reviewing current code, calculations and formulas, practical electrical application and workplace safety. Prerequisite: Registered Apprentice.

#### APR227E (4 credits) Apprenticeship/Oregon Electrical License Preparation II

The second of three courses designed to prepare the Apprentice Electrician to pass the Oregon Electrical licensing exam. Course serves as a review of current electrical code calculations using standard and optional methods, practical electrical applications and workplace safety practices. All testing will simulate the Oregon Electrical Licensing Examination. Prerequisite: Registered Apprentice.

#### APR227F (4 credits) Apprenticeship/Oregon Electrical License Preparation III

The third of three courses in a series designed to familiarize the Apprentice Electrician with advanced test taking skills and increase their knowledge of the current electrical code, with a major focus on Oregon Revised Statutes, Oregon Administrative Rules and the Oregon Addendums. The course will interpret NEC code article content, review electrical components and application characteristics, and clarify terminology including industry jargon. Prerequisite: Registered Apprentice.

#### APR229A (6 credits) Apprenticeship/Power Plant Systems and Flight Controls

Provides an understanding of power plant construction and systems including the basic reciprocating engine, its major sections, the axial and centrifugal flow compressors, and accessory section components. Instruction will concentrate on the characteristics and service requirements. Engine component replacement and tools/techniques for aircraft pressurization will be discussed. This course is in preparation for passing the FAA licensing examination and includes: basic engine major sections, engine component replacement, common hand tool usage, precision measuring equipment, safety locking devices, safety equipment and procedures, seal installation, hardware installation, corrosion inspection and preventive maintenance of reciprocating engines. The course also includes: basic engine major sections, axial and centrifugal flow compressors, accessory section component, distinguishing characteristics of the turboprop, turbo shaft, turbofan engine and auxiliary power plants of turbine engines. Engine replacement will be discussed including: common hand tool usage, precision measuring equipment, safety locking devices, safety equipment and procedures, seal installation, hardware installation, corrosion inspection and preventive maintenance. Other topics include: aircraft pressurization components and operation, aircraft pressurization equipment maintenance and safety, engine electrical / electronic controls and flight control systems. Prerequisite: Registered Apprentice with Southern Oregon Aviation JATC.

#### APR229B (6 credits) Apprenticeship/Structural Inspection and Repair

Guides the student through the inspection and identification of a variety of aircraft structural damage while assessing the type of repair that is required to assure an airworthy repair. Special emphasis will be given to: Types and characteristics of materials in the metallic aircraft structure, repair procedures and required documentation as per the FAR's, general techniques of sheet metal repair, to include forming characteristics, rivet layout and installation, proper drilling techniques, use of sealants, specialized tools and precision instruments, cable identification, inspection and fabrication, composite material repairs, non-destructive testing, basics of welding theory, vibration analysis and balance theory. This course is designed to prepare for the FAA licensing examination. Prerequisite: Registered Apprentice with Southern Oregon Aviation JATC.

# APR229C (4 credits) Apprenticeship/Avionics

Introduces aviation electronics. Electronic systems designed for use on an aircraft will be the main topic with special attention to electrical operation in communications, navigation and the display and management of multiple systems. Prerequisite: Registered Apprentice with the Southern Oregon Aviation Joint Apprenticeship and Training Committee (JATC).

# ART

# Lower Division Collegiate

### 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, process style and meaning. Students work primarily in black and white media, addressing the foundations of both objective and non-objective modes of visual art. 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 qualities and relationships in art, including hue, value, and saturation in essential and experimental color design, providing a foundation in the vocabulary and practice of color theory in visual art. Assignments exploring both objective and non-objective form address color mixing, spatial and volumetric effects, basic color relationships, color in image development, and the effect of color on human emotion and perception. Students with work primarily with opaque painting mediums such as gouache. Analyze composition with a focus on the use of color and its affect to meet individually determined designs in a variety of contexts. This course satisfies foundation core requirements for students pursuing fine art, design, and commercial applications.

#### ART120 (3 credits) Introduction to Digital Art

Provides experiential instruction in basic modalities, techniques, and software programs in digital design, and their use in contemporary art making processes. Students work in both the computer lab and a traditional studio art setting to explore significant individual concepts and exercise their ability to communicate those concepts visually. Programs such as those in the Adobe suite and other freely available software will be used as both a platform for creative ideation and a finished visual medium. Skills acquired in this class are applicable to both fine art and more commercially based design disciplines.

#### ART131 (3 credits) Introduction to Drawing (Value)

Explores basic art processes, techniques and media usage, and provides the foundation for the development of observation and visual analysis, culminating in the development of personal visual language, creative thinking, and self-expression. This course introduces basic principles, methods and media with an emphasis on value drawing. Students work extensively through direct observation of real objects, forms, and spaces, augmented by project-appropriate use of photographic source material. Through a combination of mini-lectures, demonstrations, studio work, and group discussions, the concepts of light, form, pictorial space, depth, conceptualization 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, this course assists students in developing a personal visual language by presenting skills to communicate in today's art world. The concepts of line, form, spatial depth and composition are explored with an emphasis on line drawing.

### 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 multimedia drawing format through a combination of lectures, studio work and group discussions.

#### ART197 (variable 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: WR122, at least 3 credits in a studio art class, and at least one of the three classes in the History of Art sequence (ART 204, ART205, or ART206.)

### ART198 (variable credits) 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: WR122, at least 15 credits of studio art classes, and at least one of the classes in the History of Art sequence (ART204, ART205, or ART206).

#### ART199 (variable credits) Special Studies: Art

Emphasizes study in a variety of art disciplines to fulfill specific educational goals. Prerequisite: RD90 or WR91 or designated placement score.

### ART204, 205, 206 (4 credits each) History of Art I, II, III

This three-term sequence is designed for both art and non-art majors. The intent of this study is 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 (ART204), Renaissance to Baroque periods (ART205), and the 18th century to contemporary times (ART206). 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. Prerequisite: BT113 or WR115 or designated placement 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 almost 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 ability to utilize the figurative form in creative works in an historical and contemporary context.

### ART235 (3 credits) Figure Drawing II

Expands upon foundational techniques and processes in drawing the figure from life. This course provides a framework for the continuing development of selfexpression and personal artistic style for advanced students in the use of the human figure in contemporary art. Students draw almost exclusively from live models, both nude and draped, using a range of materials and formats. Through direct observation, anatomical study, historical context, and media experimentation, students continue the development of their technical and conceptual skills in figurative modes. Prerequisite: ART234

# ART236 (3 credits) Figure Drawing III

Challenges experienced students in the development of personal techniques and processes in drawing the figure from life. Students draw almost exclusively from live models, both nude and draped, using a range of materials and formats, developing individual approaches to the creation of finished works of art, emphasizing increased sophistication of anatomy, composition, and conceptualization. Students develop their ability to work in a self-identified series format through direct observation, anatomical study, historical context and media experimentation creating a personal body of figurative work 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-digital) 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.

# ART240 (3 credits) Advanced Figure Drawing

Students create drawings exploring figurative working primarily from live models using an individually selected range of materials and formats. Through direct observation, anatomical study, historical research, creative ideation, and media experimentation, students develop their drawing skills and increase their knowledge of the human figure in art. In a studio environment, traditional and contemporary drawing techniques are applied to the interpretation of the nude and draped figure. This course provides a framework for the development of self-expression for advanced students, encouraging them to develop a personal style, theory, and approach to the figurative image in a contemporary context. Prerequisite: ART236.

# 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. Prerequisite: 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. 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, science, design, and art of pottery. Reinforces the expectations of students to achieve their goals and to understand the continuing change of contemporary ceramic art. Introduces students to advanced materials, tools, and techniques in producing ceramic pottery and sculptural forms. Includes hand-building, wheel throwing, glaze formulation and application, firing, and other finishes for clay. Prerequisite: ART254.

#### ART256 (3 credits) Ceramics IV

Emphasizes study of contemporary ceramic disciplines to fulfill educational goals specific to each student. The course is set up as an open studio with individualized critiques and assigned research activities. Each student works on developing personal imagery, style, and art philosophy while learning to make the transition from art student to working artist. Recommended prerequisite: ART255.

#### ART257 (3 credits) Jewelry and Metalsmithing I

Explores basic metalsmithing processes, including piercing, riveting, lost wax casting and silver soldering and provides a foundation for the development of creative thinking and self-expression. Course is designed for students with limited or no previous jewelry/metalsmithing experience. Introduces tools and techniques used in working with nonferrous metals through a combination of demonstrations, studio work and group discussions. Furthers design awareness and explores three-dimensional form as functional or wearable art.

# ART258 (3 credits) Jewelry and Metalsmithing II

Continues developing technical vocabulary through content that varies by term including the exploration of a variety of surface embellishments, metal forming methods, mold making, stone setting and 3D printing. Explores historical and contemporary artists and continues development of design and aesthetic awareness of three-dimensional small scale works of art with the goal of creating a personal visual language. Prerequisite: ART257.

#### ART259 (3 credits) Jewelry and Metalsmithing III

Along with further technical development and awareness of the versatility of metalwork, students explore concepts and issues of self-expression and personal imagery related to wearable art, small functional objects and small sculpture. Content varies by term and includes etching, enameling, die forming, chasing and repousse, mold making, 3D printing and stone setting. Prerequisite: ART258.

# ART260 (3 credits) Jewelry and Metalsmithing IV

Gives students an opportunity to take responsibility of their continued growth in jewelry and metalsmithing. They choose the tools and techniques to explore in depth during the term, and they design their own assignments and choose projects (in keeping with the previous classes) that they will explore through a combination of demonstrations, studio work, and group discussions. A series of pieces will be created to exhibit/sell in the fall/Christmas sale, winter/Valentine's Day sale, or the spring/student exhibit. The course continues to prepare students to create jewelry/metal objects to exhibit/sell by furthering their design awareness; develop step-by-step metals techniques and craftsmanship skills, and explore three-dimensional form as functional or wearable art. Prerequisite: ART259.

# 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 handson 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 credits) Cooperative Work Experience / Art

Cooperative Work Experience is an educational program that enables students to receive academic credit for on-thejob, 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: CWE courses require prior arrangements with faculty or the Department Chair.

#### 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.

# 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. Prerequisite: ART282.

#### ART284 (3 credits) Painting IV

Encourages students in developing critical as well as creative thinking through the exploration of materials, processes, concepts, and imagery; through exposure to a wide range of ideas, students develop their own sense of direction. Introduces advanced principles, methods and processes of painting through mini lectures, research, studio work and critique. Concepts based on contemporary ideas and images relating to painting are explored. Credits taken may be applied to the Oregon Transfer Degree, the Associate of General Studies degree, toward fulfilling the humanities requirement or elective requirement, or may be taken to pursue a personal educational track, whether towards a career in art, or for aesthetic and psychological enrichment. Prerequisite: ART283.

#### 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 used in ART287 and develops more talent and interest in illustration by using the airbrush. Textures, patterns and color, with the added use of lettering, are used to develop camera-ready art work in four different projects. Continues work with students in developing portfolios that can be shown at any job interview. Prerequisite: ART287.

#### ART294 (3 credits) Watercolor I

Introduces basic transparent watercolor and basic painting processes and techniques. Students expand their awareness of historical and contemporary practice in water-based media and explore a full range of essential techniques using both stretched and un-stretched paper surfaces. A combination of mini-lectures, demonstrations, studio work and group discussions emphasize the characteristics of the materials, color theory, creative thinking, self-expression, and a variety of painting styles and imagery.

# ART295 (3 credits) Watercolor II

Continues the exploration of basic transparent watercolor techniques along with the introduction of more experimental approaches to expand aesthetic awareness and develop a personal visual language in an historical and contemporary context. Students are required to demonstrate mastery of basic painting processes and techniques that make the development of creative thinking and self-expression possible. This course is a combination of lectures, demonstrations, studio work and group discussions that emphasize the characteristics of the materials, color theory, conceptualization, and a variety of painting styles and imagery. Prerequisite: ART294.

#### ART296 (3 credits) Watercolor III

Students work in a semi-independent format, allowing them to develop a creative thinking and self-expression approach to painting style and imagery to expand aesthetic awareness and develop a personal visual language in an historical and contemporary context. Course assignments explore the practice of series development, media experimentation and mastering techniques, including the use of alternate painting surfaces such as Yupo and watercolor board. 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.

#### ART297 (3 credits) Watercolor IV

Emphasizes study in a variety of water-based medium and approaches to fulfill educational goals specific to each student. It is set up as an open studio with individualized critiques and assigned research activities. Each student works on developing personal imagery, style, and art theory in a contemporary context. . Students conceptualize and execute unique personal watercolor paintings based on individual research and interests. Prerequisite: ART296.

### ART299 (variable credits) Special Studies: Art

Encourages the student 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, the student is enabled to develop his or her own sense of direction. This course introduces advanced principles, methods and processes of painting through mini lectures, research, studio work and critique. Concepts based on contemporary ideas and images relating to topic area are explored.

## ASL - AMERICAN SIGN LANGUAGE

#### Lower Division Collegiate

# ASL101 (4 credits)

**First Year American Sign Language I** Emphasizes the development of expressive skills, receptive skills and cultural awareness. Primary focus is on the student's active use of ASL. Course includes visual readiness skills, ASL vocabulary, deaf culture, and ASL grammar. The 100 level sequence focuses on everyday communication in a conversational environment where grammar is introduced in context with an emphasis on developing question and answering skills. Prerequisites: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score.

### ASL102 (4 credits) First Year American Sign Language II

Continues the development of expressive skills, receptive skills, and cultural awareness, building on the work of ASL101. The primary focus is on the student's active use of ASL. Course includes visual readiness skills, ASL vocabulary, deaf culture, and ASL grammar. The 100level sequence focuses on everyday communication in a conversational environment where grammar is introduced in context with an emphasis on developing question and answering skills. Prerequisite: ASL101.

# ASL103 (4 credits)

**First Year American Sign Language III** Completes the year of ASL, building on ASL101 and ASL102 in the development of expressive skills, receptive skills, and cultural awareness. The primary focus is on the student's active use of ASL. Course includes visual readiness skills, ASL vocabulary, deaf culture, and ASL grammar. The 100-level sequence focuses on everyday communication in a conversational environment where grammar is introduced in context with an emphasis on developing question and answering skills. Prerequisite: ASL102.

# **BA – BUSINESS ADMINISTRATION**

#### Lower Division Collegiate

#### 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. Students will also become familiar with the major sections of a basic business plan and the key elements found in each section. Prerequisites: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score, and access to the Internet are required.

#### BA109 (2 credits) Ready, Set, Work: Techniques for Landing A Job

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 taking this class. All students, both in-class and online, must complete an in-person interview to pass the class (while video-conferencing is not a substitute, there may be times in which this is accepted). Prerequisites: BA131 or CIS120 or documented proficiency; and BT113 or WR115 or designated placement score.

# BA131 (4 credits)

Introduction to Business Computing Covers basic computer applications for business. Students will gain hands-on experience with Microsoft Office 365/2019 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 2019, Excel 2019, and PowerPoint 2019. Prerequisites: MTH20 and RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Corequisites: BT113 or WR115 or designated placement score.

#### 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 and BA211. Recommended prerequisites: BA285 or CIS125ss.

### BA199 (variable credits) Special Studies: Business

Offers selected topics of study in business through workshop, seminar, and independent study formats. Prerequisites: May vary depending on subject offerings.

#### 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. Prerequisite: BA101. Recommended prerequisites: BT101, BT102.

#### BA211 (4 credits) Financial Accounting I

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; inventory, internal controls, current and long-term liabilities; corporation accounting, and the preparation of cash flows. Prerequisites: BA131 or CIS120 or documented proficiency and BT160 or higher-level math.

# BA212 (4 credits) Financial Accounting II

Continues the study of financial accounting theory with more in-depth study of asset, liability, and equity accounting in accordance with generally accepted accounting principles (GAAP). Includes accounting for receivables; plant assets, natural resources, and intangibles; current and long-term liabilities; investments; payroll; stockholders' equity; the preparation of the statement of cash flows; and financial statement analysis. Prerequisite: BA211.

#### BA213 (4 credits) Managerial Accounting

Covers the foundations of management accounting, including various types of business enterprise cost accounting systems, analyzing cost/volume/profit relationships, management planning and budgeting, accounting ethics, evaluating performance, and capital investment decisions. Uses word processing, spreadsheet, and general ledger software when applicable. Prerequisite: BA21.

#### 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: BT114 or WR121 or designated placement score, BA131 or CIS120 or documented proficiency, Internet access, and a working e-mail account. Corequisite: LIB127. Recommended prerequisite: CIS125WW.

#### BA218 (3 credits) Personal Finance

Designed to acquaint the student with finance principles, terminology, and practical concepts of sound financial planning. Students will be introduced to such topics as managing cash and savings; consumer purchasing strategies; renting versus home-ownership; shopping for health, life, home, disability, and automobile insurance; preparing a personal financial plan; wise use of credit; financial institutions; identity theft; bankruptcy; fundamentals of investing retirement planning; and estate planning. Prerequisite: BT160 or MTH60 or higher-level math, or designated placement score.

### BA223 (3 credits) Principles of Marketing

Designed to acquaint the student with basic marketing principles, terminology, and applied marketing concepts. Introduces students to the marketing concept, promotional and pricing strategies, consumerism, product and distribution strategies, governmental influence on marketing, marketing research, market segmentation, and consumer/industrial/ government buying behavior. Prerequisite: BT113 or WR115 or designated placement score. Recommended prerequisite: BA101.

#### BA224 (3 credits) Human Resource Management

Designed to build on the information contained in human relations and introductory management classes. Students will be introduced to functions, principles, practices, and techniques of human resources management. Topics covered include the role of HRM, developing and implementing strategic HRM plans, diversity and multiculturalism, recruitment, selection, compensation and benefits, retention and motivation, training and development, managing employee performance, employee assessment, working with labor unions, safety and health at work, and international HRM. Prerequisites: BA101, and BT113 or WR115 or designated placement score. Recommended prerequisites: BA206 and BT102.

### 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. Prerequisite: BT113 or WR115 or designated placement score.

### BA228 (2 credits) Computer Accounting Applications

Covers the application of integrated software (QuickBooks) as an accounting tool in service and merchandising companies. Includes general ledger, accounts receivable, accounts payable, inventory, and payroll. Emphasis is on incorporating knowledge of manual accounting into a computerized system. Prerequisites: BA131 and BA211.

### BA238 (3 credits) The Art of Selling

What does it take to be a highly successful professional salesperson? This course guides students to explore and understand successful sales, and sales management behaviors. Students will develop competency in professional selling approaches, conversations and presentations, and sales management techniques. Course topics include creating value in the buyer-seller relationships, prospecting, sales call planning, communicating the message, negotiating for win-win solutions, closing the sale, as well as how to motivate, compensate and train sales people. Prerequisite: BT114 or WR115 or designated placement score. Corequisite: BA131.

### BA243 (3 credits) Social Media Marketing

Social media marketing (SMM) covers the use of social media websites and social networks to market a company's products and services. Social media marketing discusses how companies reach new customers, engage with existing customers, and promote a desired culture, mission, or tone. Covers the basics of creating online conversations through social media outlets, social media strategy, branding through social media sites, value in the organizations content, aligning offline marketing strategies with social media, and why a social media consultant can be valuable. Prerequisite: BT114 or WR121 or designated placement score. Recommended prerequisite: BA223.

#### 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 and BT114 or WR121 or designated placement score. Recommended prerequisite: BA223.

#### BA280 (variable credits) 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. Prerequisite: BA109. CWE courses require prior arrangements with faculty or the Department Chair.

# BA282 (4 credits) Applied Business Statistics

Builds on the knowledge of descriptive statistics learned in MTH243 to develop abilities in inferential statistics. Emphasis is on the understanding and application of interval estimating, hypothesis testing, correlation and regression, inferences using Chi-square, and one-way and two-way analysis of variance (ANOVA). Designed to provide students with the analytical skills they will need in upper division business courses including accounting, finance, operations management and applied research. Dual numbered as MTH244. Prerequisites: MTH243, BA285 or CIS125SS.

#### BA285 (4 credits) Advanced Business Applications: Excel

Designed for students in any discipline. Includes handson approach to develop a competency in basic and advanced concepts and commands of spreadsheet software. Students will learn to design, set up, and print a variety of spreadsheet applications. Microsoft Excel will be used to develop materials. Emphasis will be placed on using spreadsheet data for problems analysis. Dual numbered as CIS125SS. Prerequisites: MTH65 or BT160 (higher math recommended), and CIS120 or documented proficiency or BA131.

# BI - BIOLOGY

# Lower Division Collegiate

# 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: RD90 or WR91 or designated placement score.

# Bl101 (3 credits) Introduction to Biology I

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 200level 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: RD90 or WR91 and MTH60 or designated placement scores.

# BI101L (1 credit)

Introduction to Biology I Lab Lab associated with BI101.

#### BI102 (3 credits) Introduction to Biology II

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. Prerequisites: MTH60 and WR90 or WR91 or designated placement score(s). Recommended prerequisites: BI101, BI101L, or BI211, BI211L.

# BI102L (1 credit)

Introduction to Biology II Lab Lab associated with BI102.

# BI103 (3 credits)

# Introduction to Biology III

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. Prerequisites: MTH60 and RD90 (or WR91)

# BI103L (1 credit)

**Introduction to Biology III Lab** Lab associated with BI103.

#### BI121 (3 credits) Elementary Anatomy and Physiology I

This is the first term of a two-term sequence. This course covers basic anatomy and physiology for Medical Office Assistant, Medical Health Technician, Message Therapy, Medical Assistant, Medical Transcription, and Practical Nursing. Topics covered include body organization, basic chemistry, cell structure and function, tissues, integumentary system, skeletal system, muscular system, and nervous system. Includes a laboratory component that requires dissection. Prerequisites: MTH20 and WR90 or WR91 or designated placement scores. Recommended prerequisites: MTH60 or MTH63 or designated placement score.

### BI121L (1 credit) Elementary Anatomy and Physiology I Lab

Lab associated with BI121.

#### BI122 (3 credits) Elementary Anatomy and Physiology II

This is the second term of a two-term sequence. This course covers basic anatomy and physiology for Medical Office Assistant, Medical Health Technician, Message Therapy, Medical Assistant, Medical Transcription, and Practical Nursing. Topics covered include the endocrine systems, blood, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system and reproductive system. Includes a laboratory component that requires dissection. Prerequisites: BI121, BI121L or BI231, BI231L. Recommended prerequisites: AH100, CHEM104.

#### BI122L (1 credit) Elementary Anatomy and Physiology II Lab

Lab associated with BI122.

### BI199 (variable credits) Special Studies: Biology

Selected topics of study in biology are offered on demand through workshops, seminars, lecture, lab, and/or independent study format. Prerequisites: May vary depending on subject offerings.

#### BI211 (3 credits) General Biology I

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. Students who take CHEM104 or its equivalent before BI211 are better prepared for the rigors of this class. Prerequisites: MTH60 and RD90 or WR91 or designated placement scores. Recommended prerequisite: CHEM104.

#### BI211L (1 credit) General Biology I Lab Lab associated with BI211.

# BI212 (3 credits) General Biology II

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. Prerequisites: BI211, BI211L. Recommended prerequisite: CHEM104.

#### BI212L (1 credit) General Biology II Lab Lab associated with BI212.

# BI213 (3 credits) General Biology III

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, BI211L. Recommended prerequisite: CHEM104.

#### BI213L (1 credit) General Biology III Lab Lab associated with BI213.

# BI231 (3 credits) Anatomy and Physiology I

The first term of a three-term sequence. This course benefits students entering health professions, physical education and pre-professional medical or veterinary degrees. Emphasis is placed on the structure, function and regulatory mechanisms of the tissues, skin, skeleton, muscles and neurons. Includes a laboratory component that requires dissection. Prerequisite: WR115 or BT113 or designated placement score and BI211, BI211L. Recommended prerequisite: CHEM104.

# BI231L (1 credit)

**Anatomy and Physiology I Lab** Lab associated with BI231.

#### BI232 (3 credits) Anatomy and Physiology II

The second term of a three-term sequence. This course benefits students entering health professions, physical education and pre-professional medical or veterinary degrees. Emphasis is placed on the structure, function and regulatory mechanisms of the nervous, endocrine, special sense and circulatory systems. Includes a laboratory component that requires dissection. Prerequisite: BI231, BI231L. Recommended prerequisite: CHEM104.

# **BI232L (1 credit) Anatomy and Physiology II Lab** Lab associated with BI232.

### BI233 (3 credits) Anatomy and Physiology III

The third term of a three-term sequence. This course benefits students entering health professions, physical education and pre-professional medical or veterinary degrees. Emphasis is placed on the structure, function and regulatory mechanisms of the respiratory, lymphatic, immune, digestive, urinary, reproductive systems and acid/base and electrolyte balance. Includes a laboratory component that requires dissection. Prerequisite: BI231, BI231L. Recommended prerequisite: CHEM104.

#### BI233L (1 credit) Anatomy and Physiology III Lab Lab associated with BI233.

# BI234 (3 credits) Microbiology

Studies microorganisms, focusing primarily on bacteria and viruses. Covers the structure, function, metabolism, genetics and classification of bacteria and archaea. Also includes topics of microbial control, viral replication, epidemiology and vaccinations. Students must enroll in lecture and laboratory sections. Prerequisite: BI211, BI211L. Recommended prerequisite: CHEM104.

BI234L (1 credit) Microbiology Lab Lab associated with BI234.

# **BT - 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, selfawareness (communication styles, self-esteem, attitudes, emotions, and ethics), workplace diversity and inclusion, motivation, trust-building, self-disclosure, teamwork, and conflict management. Prerequisites: RD90 and WR90 (WR91 substitutes for both RD90 and WR91) or designated placement 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: BT101, and BT113 or WR115 or designated placement score.

#### BT105 (3 credits) Business Ethics

Business ethics are important skills in the business environment. Developing the ability to recognize and analyze ethical situations is becoming more critical for successful business organizations. This course explores the multilevel effects of business decisions, emphasizing contemporary topics in business ethics. Class discussions and article reviews are used to develop skills in recognizing and resolving ethical issues in business. Prerequisite: BT113 or WR115 or designated placement score.

#### BT106 (3 credits) Advertising

This course will provide insight into the role of advertising and integrated marketing communications. Traditional and emerging advertising mediums will be covered in detail, along with various aspects and implications that advertising can have on a business. Prerequisite: BT113 or WR115 or designated placement score. Recommended prerequisite: BA223.

#### BT111 (2 credits) Conflict Management

Provides students 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 over utilized and underutilized, and stress and anger management strategies used in conflict management. Prerequisite: BT113 or WR115 or designated placement score.

# BT113 (4 credits) Business English I

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 development. Prerequisites: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

#### BT114 (4 credits) Business English II

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. 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. Prerequisite: BT113. Corequisite: BA131. Recommended prerequisites: CIS125WW and LIB127.

#### BT121 (4 credits) Digital Marketing and 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 and BT113 or WR115 or designated placement score.

### 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. Prerequisites: MTH20 and RD90 or WR91 or designated placement score(s).

### BT178 (3 credits) Customer Service

Introduces students to the concepts of exceptional customer service. In today's highly competitive global marketplace, attracting and retaining customers is imperative for maximizing profits and the success of all businesses. Therefore, it is important for employees in all professions to develop the skills necessary to provide exceptional customer service. It is mandatory that customer service be considered from the top down within an organization. This course will include such topics as: customer loyalty; principles of quality customer service; service recovery; attitudes and habits that affect service; 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. Prerequisites: BA131 or CIS120 or documented proficiency, and BT101 or PSY101, and BT113 or WR115 or designated placement score.

# 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. Prerequisite: BT113 or WR115 or designated placement score.

# BT265 (3 credits) Writing a Business Plan (Capstone)

This final capstone project allows students to integrate the four functional areas of business (accounting, finance, management, and marketing) by creating and presenting a fully developed, professional business plan and competitive strategy. The final business plan will follow the format of standard business plans, including the executive summary, company description, industry analysis, management plan, marketing plan, operational plan and financial plan. Students will also orally present their business plans to the class, using appropriate technology. Students will learn to work with other stakeholders in refining their plans through interviews with relevant local businesses, business associations and peer review. Prerequisites: BA101, BA131, BA211, and BA223.

# CG - CAREER AND GUIDANCE

# Lower Division Collegiate (except where noted)

# CG100 (2 credits)

**College Success and Survival** Introduces students to aspects of academic success centering on strategies for discipline-specific and delivery-specific study habits, RCC resources and tools. This class will also focus on achieving positive outcomes in the academic environment by using the frameworks of teaching and learning style interactions, college systems understanding, and positive behavior and communication skills. Helps students make personal and social adjustments for college success. Focuses on college terms and information; Academic Major focus, degree choice and requirements, balancing work, school and home demands; financial planning; forming study partnerships; and stress and time management.

#### CG105 (1 credit) Finding the Money: Scholarship Essay Writing

Teaches students to write effective scholarship essays and develop their own personal essays from initial draft to final essay format. This class explores resources for funding college education, and strategies for effective research via the Internet. Prerequisite: RD90 or WR91 or designated placement score. Corequisite: BT113 or WR115 or designated placement score.

# CG111 (1 credit) Study Skills for 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 the psychology of learning, and assists in creating positive tools toward successful math completion. Corequisite: Concurrent enrollment in a math class.

#### CG114 (1 credit) Financial Survival for College Students

Provides students with general information and strategies on making fiscally wise choices for their education and future. Corequisite: RD90.

#### 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 are included. Prerequisites: RD90 and WR90 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

### 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.

#### CG150 (3 credits) Exploring Careers in Science and Technology

Explores the fields of automotive and diesel, building construction and computer literacy. Investigates diverse subjects including high technology and the trades; and explores the dynamic changing roles of men and women in the workplace.

#### CG155 (3 credits) Exploring Careers in Health Care

Introduces students to a comprehensive range of professions in health care. Students will explore career choices including educational requirements, job outlooks, occupational requirements, wage ranges, and professional requirements. Students will also explore some of the current issues and potential ethical dilemmas that health care professionals face. In addition, students will complete self-assessments in the Oregon Career Information System (CIS) to help determine which health careers are a good match for their interests and skills. Prerequisite: RD90 or WR91 or designated placement score. Corequisite: BT113 or WR115 or designated placement score. Recommended prerequisite: CIS120.

#### CG199 (variable credits) Special Studies: Career Guidance

Presents special topics in Human Development/Career Guidance. Content varies according to department/institution needs and demand.

# CG213 (3 credits)

**Improving Parent-Child Relationships** Flexibly designed to meet parents' varying needs and schedules. Presents a coherent approach to positive parenting. Specific parent-child interactions are analyzed, and practical steps for effective interaction are identified. Prerequisite: WR115 or BT113 or designated placement score. Recommended prerequisite: CIS120.

# **CHEM - CHEMISTRY**

#### Lower Division Collegiate

# CHEM104 (3 credits) Introductory Chemistry

Designed for non-science majors. 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. All three sections are required for this 5-credit class. Prerequisite: MTH65 or MTH63 or designated placement score.

#### CHEM104L (1 credit) Introductory Chemistry Lab Lab associated with CHEM104.

# CHEM104R (1 credit) Introductory Chemistry Recitation

Recitation associated with CHEM104.

#### CHEM105 (3 credits) Introductory Organic Chemistry

Designed for non-science majors. Introduces the essence of nuclear chemistry and organic chemistry, including hydrocarbons, alcohols, ethers, aldehydes, ketones, carboxylic acids, esters, amines and amides. Prepares students for work in a laboratory that uses chemicals. Also helps students understand how cells and organisms function. Students must enroll in lecture and laboratory sections. Prerequisite: CHEM104, CHEM104L, CHEM104R. Corequisite: CHEM105L.

#### CHEM105L (1 credit) Introductory Organic Chemistry Lab Lab associated with CHEM105.

# CHEM106 (3 credits) Introductory Biochemistry

Designed for non-science majors. Introduces the essence of biochemistry, including chirality, carbohydrates, lipids, proteins, enzymes, nucleic acids and metabolism. Prepares students for work in a laboratory that uses chemicals. Also helps students understand how cells and organisms function. Students must enroll in lecture and laboratory sections. Prerequisite: CHEM105, CHEM105L.

#### CHEM106L (1 credit) Introductory Biochemistry Lab Lab associated with CHEM106.

#### CHEM221 (3 credits) General Chemistry I

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. All three sections are required for this 5-credit class. Prerequisite: MTH65 or designated placement score. Recommended prerequisite: CIS120.

CHEM221L (1 credit) General Chemistry I Lab Lab associated with CHEM221.

# CHEM221R (1 credit)

**General Chemistry I Recitation** Recitation associated with CHEM221.

## CHEM222 (3 credits) General Chemistry II

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. All three sections are required for this 5-credit class. Prerequisite: MTH95 and CHEM221, CHEM221L, CHEM221R.

#### CHEM222L (1 credit) General Chemistry II Lab Lab associated with CHEM222.

# CHEM222R (1 credit) General Chemistry II Recitation

Recitation associated with CHEM222.

### CHEM223 (3 credits) General Chemistry III

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 are directed in the use of laboratory instrumentation. Students must enroll in lecture, laboratory, and recitation sections. All three sections are required for this 5-credit class. Prerequisite: MTH111 and CHEM222, CHEM222I, CHEM222R.

#### CHEM223L (1 credit) General Chemistry III Lab Lab associated with CHEM223.

CHEM223R (1 credit) General Chemistry III Recitation Recitation associated with CHEM223.

### CIS - COMPUTER AND INFORMATION SCIENCES

#### Career and Technical Courses

#### CIS60 (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.

#### CIS120 (2 credits) Concepts in Computing I

Students will learn Windows Interface, file management skills and how to use word processing, spreadsheet, and presentation software. Additionally, professional e-mail correspondence, Internet, best practices to safety on the Internet, Blackboard usage and basic Windows operating systems fundamentals will be covered. Prerequisite: CIS60 as needed.

# CIS125DB (3 credits) Database Management Systems

Designed for students in any discipline, this course includes a hands-on approach to develop competency in basic and advanced concepts and commands of database management. Students will learn to design, set up, and print a variety of forms and reports. Software to be used to develop materials is Microsoft Access. Prerequisites: MTH60 or MTH63 or BT160, and CIS120 or documented proficiency or BA131.

# CIS125PT (2 credits) Effective Presentations

Includes a hands-on approach to develop competency in basic and advanced concepts and commands of effective presentations. Students will also learn techniques for developing and creating presentations that engage the audience, illustrate ideas, and use media effectively. Software used to develop presentations in the course is Microsoft PowerPoint. The course does not fulfill degree or certificate requirements for computer proficiency. Prerequisites: BA131 or CIS120 or documented proficiency, and BT113 or WR115 or documented placement score.

#### CIS125SS (4 credits) Spreadsheet Applications

Course is designed for students in any discipline. Includes hands-on approach to developing competency in basic and advanced concepts and commands of spreadsheet software. Students will learn to design, set up, and print a variety of spreadsheet applications. Microsoft Excel will be used to develop materials. Emphasis is placed on using spreadsheet data for problems analysis. Dual numbered as BA285. Prerequisites: MTH65 or BT160 (higher math recommended), and BA131 or CIS120 or documented proficiency.

#### CIS125V (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: CIS120 or equivalent computing experience, or documented proficiency.

#### CIS125WW (3 credits) Word Processing Applications (Microsoft Word)

Provides training in Microsoft Word 2019 software. Covers the use of creating, editing, and formatting functions for various business documents. Other topics include formatting pages, headers, footers, columns, advanced character formatting, tables, charts, merged correspondence, managing shared documents, graphics, references, and specialized tables. Prerequisite: BA131 or CIS120 or documented proficiency.

# CIS140 (4 credits)

#### Introduction to Operating Systems

Develops competency in basic and advanced concepts and commands of the three industry-standard operating systems. Emphasis is placed on installation and conductivity of the operating systems. Topics include the comparison of various operating systems (Windows, Linux and Apple), input/output control, introduction to the command line, software and operating systems installation, customization, and windowing environments. Designed for students in any discipline. Prerequisite: CIS120 or documented computer proficiency.

# CIS179 (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: CIS120 or documented computer proficiency.

# CIS195 (4 credits) Web Authoring I

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: CIS120 or documented proficiency and MTH60 or higher-level math. Corequisite: WR121.

### CIS196 (4 credits) Web Authoring II

Follows CIS195 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). 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, geolocation, rich Internet applications, local storage, and multiscreen media queries. Prerequisite: CIS195.

### CIS199 (variable credits) Special Studies: Computer Science

Offered in a number of formats: workshop, seminar, or independent study. May also be offered as a scheduled course and cover topics in computer science or related subjects. Prerequisites: May vary depending on subject offerings.

# CIS225 (4 credits) Computer End-User Support I

Prepares students for training and supporting end-users in a variety of organization 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 department. Prerequisites: CIS140 and CIS179 and WR115 or designated placement score. Recommended prerequisite: WR121.

### CIS227 (3 credits) PC Hardware Fundamentals and Repair

Provides students with theory and hands-on exploration towards the maintenance and repair of personal comput-

ers. 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: CIS140 and MTH60 or MTH63 or higher-level math.

# CIS240 (4 credits) Advanced Operating Systems

This course gives students an in-depth coverage of the skills needed to configure and manage identity with Windows Server 2016. Students will have an in-depth knowledge of Windows Server 2016 identity-related services, including Active Directory, user and group accounts, Group Policy, Active Directory Certificate Services, and advanced identity solutions such as Active Directory Federation Services and Active Directory Rights Management Services. Prerequisite: CIS140.

# CIS240LX (4 credits)

Advanced Operating Systems - Linux This course is intended for students who want to learn about the Linux operating system and prepare to pass the Linux+ certification exam from CompTIA. It does not assume any prior knowledge of Linux and is geared toward those interested in systems administration as well as those who will use or develop programs for Linux systems. The course provides comprehensive coverage of topics related to Linux administration, including Linux distributions, installation, application management, X-Windows, cloud technologies, networking, and security. Formerly offered as CIS240L. Prerequisite: CIS140.

# CIS279 (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: CIS140 and CIS179.

#### CIS280 (variable credits) Cooperative Work Experience / Computer Information Sciences

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

#### CIS284 (4 credits) Network Security Fundamentals

Introduces the beginning concepts of computer and network security and threats. Introduction to security principles, common network and system attacks and defense technologies and techniques will be covered. Topics will also include basic cryptography, mobile device security, wireless network security, security policies, authentication, Internet communication security, and other security related topics. Prerequisites: CIS179, or documented Network+ certification.

# CIS285 (4 credits) Network Security II

Provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. The purpose of the course is to provide the student with an overview of the field of information security and assurance. Students will be exposed to the spectrum of security activities, methods, methodologies, and procedures. Coverage will include inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, and an overview of the information security planning and staffing functions. Prerequisites: CIS140 and CIS284 or Instructor approval.

#### CIS299 (variable credits) Special Studies: Computer Information Sciences

Offered in a number of formats: workshop, seminar, or independent study. May also be offered as a scheduled course and cover topics in computer science or related subjects. Prerequisites: May vary depending on subject offerings.

# CJ - CRIMINAL JUSTICE

# Lower Division Collegiate

#### 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ100 is a college-level transfer course that is a core requirement for degrees offered through the Criminal Justice Department. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

# 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 the police, and career development. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ110 is a college-level transfer course that is a core requirement for degrees offered through the Criminal Justice Department. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

#### 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ120 is a college-level transfer course that is a core requirement for degrees offered through the Criminal Justice Department. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

# 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 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ130 is a college-level transfer course that is a core requirement for degrees offered through the Criminal Justice Department. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

#### CJ191 (4 credits) ROLEA Module 1: Orientation to Policing and Professionalism

Professionalism is the first training module of the Reserve Officer Law Enforcement Academy (ROLEA). The module 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ191 ROLEA is a college-level transfer course available to students majoring in criminal justice and seeking to fulfill elective requirements in the Associate of Applied Science Degree in Criminal Justice. The course is also available to students sponsored by regional law enforcement agencies that have accepted a student into their reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

### CJ192 (4 credits) ROLEA Module 2: Legal and Investigative Concepts I

ROLEA Module 2 - Legal and Investigative Concepts I is the second training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ192 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

#### CJ193 (4 credits) ROLEA Module 3: Legal and Investigative Concepts II

ROLEA Module 3 - Legal and Investigative Concepts II is the third training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ193 ROLEA Module 3 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

#### CJ194 (4 credits) ROLEA Module 4: Legal and Investigative Concepts III

ROLEA Module 4 - Legal and Investigative Concepts III is the fourth training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ194 ROLEA Module 4 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

#### CJ195 (4 credits) ROLEA Module 5: Legal and Investigative Concepts IV

ROLEA Module 5 - Legal and Investigative Concepts IV is the fifth training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ195 ROLEA Module 5 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

#### CJ196 (4 credits) ROLEA Module 6: Police Skills Proficiency I

ROLEA Module 6 - Police Skills Proficiency I is the sixth training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ196 ROLEA Module 6 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

#### CJ197 (4 credits) ROLEA Module 7: Police Skills Proficiency II

ROLEA Module 7 - Police Skills Proficiency II is the seventh training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ197 ROLEA Module 7 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

#### CJ198 (4 credits) ROLEA Module 8: Police Skills Proficiency III

ROLEA Module 8 - Police Skills Proficiency III is the eighth training module of the Reserve Officer Law Enforcement Academy. Course content is based on the Oregon Department of Public Safety Standards and Training police academy lesson plans. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ198 ROLEA Module 8 is a college-level transfer course that serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in Associate of Applied Science Degree in Criminal Justice using the ROLEA option. The course is also available to students sponsored by regional law enforcement agencies that have reserve officer programs. Prerequisite: Students must be agency sponsored or qualify for admission by meeting eligibility requirements established by the Criminal Justice Department.

### CJ199 (variable credits) Special Studies: Criminal Justice

List major historical milestones and patterns in the development of modern corrections philosophies and practices. The Criminal Justice Program seeks to prepare students for criminal justice related careers and for advanced study in the field. Special studies courses may be used as electives available to students majoring in criminal justice seeking to fulfill requirements in their program of study. Prerequisite: WR115 or designated placement score.

#### CJ200 (4 credits) Introduction to Criminology

Previously offered as course number CJ101/SOC244. 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ200/SOC244 is a college-level transfer course that is a core requirement for degrees offered through the Criminal Justice Department. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

# CJ201 (4 credits) Juvenile Delinquency

This course presents a philosophical, historical, and practical survey of juvenile justice administration in the United States. 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ201/SOC221 is a college-level transfer course that is a core requirement for degrees offered through the Criminal Justice Department. Dual numbered as SOC221. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

#### 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. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ203 is a college-level transfer course that is an approved elective for degrees offered through the Criminal Justice Department. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

# CJ210 (4 credits) Criminal Investigation

An introduction to the investigative process and to 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. The Criminal Justice Program seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ210 Criminal Investigation is a college-level transfer course and serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in their program of study. The course is also available to non-majors seeking a general elective course of interest. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

#### 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. The Criminal Justice Program seeks to prepare students for criminal justice-related careers and for advanced study in the field. CJ214 is a college-level transfer course and is a core requirement for degrees offered through the Criminal Justice Department. Prerequisites: WR115 or designated placement score, and CJ100. Recommended prerequisite: CJ120.

#### CJ220 (4 credits) 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. The Criminal Justice Program seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ220 is a college-level transfer course and is a core requirement for students majoring in criminal justice seeking to fulfill requirements in their program of study. The course is also available to non-majors seeking a general elective course of interest. Prerequisite: CJ120.

#### CJ221 (4 credits) 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. The Criminal Justice Program seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ221 Constitutional Criminal Procedure is a college level transfer course and serves as a core requirement for students majoring in criminal justice seeking to fulfill requirements in their program of study. The course is also available to non-majors seeking a general elective course of interest. Prerequisite: CJ120.

# CJ223 (4 credits) Evidence and Trial Process

This course 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 courtroom are presented. Aspects of procedural law directly related to evidence issues are reviewed. Case development and trial preparation are emphasized through mock trial exercises. The Criminal Justice Program seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ223 Evidence and Trial Process is a college-level transfer course and serves as a core requirement for students majoring in criminal justice seeking to fulfill requirements in their program of study. The course is also available to non-majors seeking a general elective course of interest. Prerequisite: CJ120.

#### CJ229 (4 credits) Community Corrections and Casework

Examines community corrections philosophy, 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, along with other treatment modalities. The Criminal Justice Department seeks to prepare students for criminal justice related careers and for advanced study in the field. CJ229 is a college-level transfer course and serves as an elective available to students majoring in criminal justice seeking to fulfill requirements in their program of study. The course is also available to non-majors seeking a general elective course of interest. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

#### CJ243 (4 credits) Drugs, Crime and Addiction

This course will introduce students to the dynamics of drug and alcohol addiction, the social and legal issues of drug abuse, as well as examine the political considerations behind contemporary drug enforcement policy. It will also explore the historical origins of the illegal drug trade. CJ243/ SOC243 Drugs, Crime, and Addiction is a college-level transfer course and is a core requirement for students majoring in Human Services. The course serves as an elective available to students majoring in Criminal Justice seeking to fulfill requirements in their program of study. The course is also available to non-majors seeking a general elective course of interest. Prerequisite: WR115 or designated placement score. Recommended prerequisites: COMM111, LIB127 and WR121.

# CJ270 (4 credits)

**Capstone Project in Criminal Justice** Serves as the culminating experience in criminal justice degree programs. Skills and knowledge acquired in criminal justice courses are integrated and applied to a field situation related to the control and prevention of crime and public safety administration. The course requires a comprehensive, structured research report, an oral presentation, and exams to assess professional competence. Prerequisite: Prior arrangements with faculty or the Department Chair.

#### CJ280 (variable credits) Cooperative Work Experience / Criminal Justice

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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. Students should complete this course within the last 2 terms of their degree. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

# **COMM - COMMUNICATION**

# Lower Division Collegiate

#### COMM100 (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. Prerequisite: WR115 or BT113 or designated placement score.

#### COMM111 (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. Prerequisite: WR115 or BT113 or designated placement score.

### COMM115 (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. Prerequisite: WR115 or BT113 or designated placement score.

# COMM201 (4 credits) Media and Society

Provides an overview of the history, present state, and future of different forms of mass communication – such as print, audio, television/film, and social media – and explores theoretical, economic, and societal perspectives on the creation and consumption of mass media, including advertising, media ethics, and media law and regulation. Prerequisite: WR115 or BT113 or designated placement score.

### COMM218 (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. Prerequisite: WR115 or BT113 or designated placement score.

#### 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. Prerequisite: WR115 or BT113 or designated placement score. Corequisite: WR121.

# 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: COMM100, COMM111, or COMM218

# 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. Prerequisites: COMM100 or COMM111.

#### COMM280 (variable credits) Cooperative Work Experience / Communication

Cooperative education is a supervised program of onthe-job training for college credit in a Communication related area. Students are placed in a related industry, business, agency or organization which has been approved by the College as having the interest, personnel and resources to serve as a training center. The goal of cooperative education is to provide a learning experience which enriches and strengthens the student's education, personal development, and vocational preparation. It joins educators and employers in developing the community's greatest asset - its human resources. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

### COMM299 (variable credits) Special Studies: Communication

Covers a specialized area of communication in a given area of communication such as interpersonal, mass media, or organizational communication. Prerequisite(s): Varies by course

# CPL - CREDIT FOR PRIOR LEARNING

Career and Technical Course

# CPL120 (3 credits) Credit for Prior Learning

Assists students in developing portfolios to be used in applying for credit for prior learning. Focuses on identifying career and educational goals and documenting college-level prior learning.

# **CS - COMPUTER SCIENCE**

# Lower Division Collegiate

### 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: CIS120 or documented proficiency and MTH65 or higher-level math or documented 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: CIS120 or documented proficiency and MTH65 or designated placement score. Recommended prerequisite: CIS140.

#### CS161J (4 credits) Computer Science I (Java)

Presents the science of programming and problem solving using an object-oriented programming language. Emphasis is on a disciplined approach to algorithm development and problem-solving methods using the object-oriented programming language Java. The course 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, CS160 or CS161U, MTH111 or higher-level math.

#### CS161U (4 credits) Computer Science I (C++)

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. Prerequisites: CIS120 or documented proficiency and MTH95 or higher-level math.

### CS162J (4 credits) Computer Science II (Java)

Continues CIS161J, 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: CS161J.

# CS162U (4 credits) Computer Science II (C++)

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: CS161U.

# CS234U (4 credits) Object Oriented Programming in C++

A study of object oriented programming with C++. Beginning and intermediate concepts are covered including classes, objects, member functions, overloading, inheritance, polymorphism, templates, and virtual functions. This course prepares students with a strong C++ background for transfer into upper-division coursework using C++ at a university. Prerequisite: CS162U.

# 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. Prerequisites: CS162J or CS234U, and MTH111. Corequisite: MTH251.

#### CS275 (4 credits) Data Base Development I

Provides students with an introduction to the concepts, skills, and tools involved in relational data base design, implementation, and testing. Students will be introduced to and use Structured Query Language (SQL) for creating a client/server data base and data manipulation. Covers relational data base concepts, data anomalies, and data normalization. Entity-Relationship diagrams will be covered and used as a tool for designing a data base system. CS275 enhances and supplements the programming or networking student's analysis, design, and problem solving skills. Prerequisite: CIS125DB or previous database experience with approval of Instructor.

# DA - 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, instrumentation and oral assessment. Prerequisite: Successful admittance into the Dental Assistant program.

#### DA102 (4 credits) Dental Assisting II

Introduces the major dental specialties of oral surgery, endodontics, periodontics, prosthodontics, and orthodontics. Also included are 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. Prerequisite: Successful completion of the first term of the Dental Assistant program.

# DA102L (2 credits) Dental Assisting II Lab

The purpose of this course is to introduce major dental specialties of oral surgery, endodontics, periodontics, prosthodontics, and orthodontics. Students will become familiar with 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. Prerequisite: This is a limited-entry program that requires completion of 13-17 credits of prerequisite/preparatory courses and formal acceptance prior to entry. Corequisites: DA101, DA101L, 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: DA101L and DA202.

### 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. Prerequisite: Successful completion of the first term of the Dental Assistant program.

#### 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 ABC's of CPR (airway/ breathing/ circulation), foreign body airway obstruction, the causes, signs, and treatment of medical emergencies, and specific dental emergencies. Prerequisite: Successful admittance into the Dental program.

# DA123 (2 credits) Legal and Ethical Issues in Dentistry

Exposes the student to variety of legal and ethical dilemmas in dentistry, helping students become more prudent and confident professionals. Students will become familiar with the legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. Prerequisite: Successful admittance into a Dental program.

#### DA152 (4 credits) Practicum and Seminar in Dental Assisting I

Students work an average of 10 per week in a host site (118 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 daily operations within a dental office as chair-side dental assistants and front office personnel. Students will experience entry-level and begin mid-level duties as appropriate. Moderated by an instructor, seminars are designed to define expectations, discuss progress, and evaluate current practicum experiences. Prerequisite: Successful completion of the first two terms of the Dental Assistant program.

#### DA153 (4 credits) Practicum and Seminar in Dental Assisting II

Students work an average of 10 per week in a host site (118 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 firsthand the daily operations within a dental office as chairside dental assistants and front office personnel. Students will expand their skill set during the sequence with mid-level and advanced duties as appropriate. Moderated by an instructor, seminars are designed to define expectations, discuss progress, and evaluate current practicum experiences. Prerequisite: Successful completion of the first three terms of the Dental Assistant program. Corequisites: DA204 and DA204L.

### DA201 (4 credits) Dental Radiology

Prepares students for Dental Board Exams. Students will study the following 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. Prerequisite: Successful admittance into a Dental program.

### DA201L (2 credits) Radiology Lab

Prepares the students for the Oregon Board Exam. Students will take radiographs on a manikin and on live patients. Prerequisite: Successful admittance into a Dental program.

#### DA202 (2 credits) Infection Control for the Dental Professional

Prepares students for a Dental Board Exam. Students will prepare 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. Prerequisite: Successful admittance into a Dental program.

#### DA203 (2 credits) Chair-side Assisting

Prepares students for the Oregon Basic, the Oregon Board of Dentistry's written exam a step in obtaining the Expanded Functions Dental Assistant certificate through the Dental Assisting National Board (DANB). This class is designed to prepare students in the following sections: collection and recording of clinical data, chairside dental procedures, oral anatomy, chairside 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. Prerequisite: Successful completion of the first three terms of the Dental Assistant program.

# DA204 (2 credits)

**Expanded Functions Dental Assistant** 

Prepares students for the Expanded Functions Dental Assistant (EFDA), an Oregon Board of Dentistry written exam.. 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 in the following sections: placing matrix bands; polishing amalgam fillings; cement removal; taking impressions; coronal polishing; fabricating temporary crowns and tooth whitening. Prerequisite: Successful completion of the first three terms of the Dental Assistant program.

#### DA204L (1 credit) Expanded Functions Dental Assistant Lab

Provides hands-on, clinical instruction of the lecture material presented in DA204. The student will practice and become familiar with the clinical skills required for an expanded function 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, a dental assistant must successfully complete all of the requirements in one of the four pathways administered by the Dental Assisting National Board (DANB). Prerequisite: Successful completion of the first three terms of the Dental Assistant program. Corequisites: DA153, DA204.

# DDM - DESIGN AND DIGITAL MEDIA

#### **Career and Technical Courses**

# DDM120 (3 credits) Digital Graphic Design I

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. Additional lab hours required. The intent of this class is to provide a sound foundation and experience in the organization of design elements, individual creative processes, a heightened sense of aesthetics; a grasp of printed and Web principles, and basic typography. These experiences shall provide a working ability in graphic design or for personal enrichment. Corequisite: CIS120 or documented proficiency.

### DDM125 (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. Students will learn how various lenses effect the depth of field and image quality of an exposure. No darkroom work is required. Students must provide their own digital single lens reflex cameras and these cameras must be able to allow for manual adjustment of shutter speed and aperture. Does not fulfill degree or certificate requirements for computer proficiency. Additional studio hours required. Recommended prerequisites: ART115 and DDM160.

# DDM130 (3 credits)

**Introduction to Adobe Web Tools** Provides an overview of various Adobe applications including Acrobat DC, Dreamweaver, Spark, Portfolio and Behance to create web and portfolio sites, social media posts and videos. Free productivity applications for time and income tracking, creating estimates and invoices, and project management will also be explored. Prerequisite: CIS120 or documented proficiency.

# DDM140 (3 credits) Electronic Publishing I (InDesign)

Introduces the student 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. Additional lab hours required. Prerequisite: CIS120 or documented proficiency.

### DDM141 (3 credits) Electronic Publishing II (InDesign)

Emphasizes design and proper preparation of electronic pre-press files for print and digital production. Students will execute print and interactive projects for the web using advanced design and publishing tools in InDesign. Students will also examine many advanced layout and printing techniques, multiple page document preparation and the proper methods for sending files to printers and online publishers. Additional lab hours required. Prerequisite: DDM140.

### DDM150 (3 credits) Computer Illustration (Illustrator)

Develops competency in the creation of computergenerated 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: CIS120 or documented proficiency.

#### DDM160 (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. Corequisite: CIS120 or documented proficiency.

#### DDM161 (4 credits) Advanced Digital Imaging (Photoshop for Web)

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 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: CIS195, DDM120, DDM160, and DDM130.

#### DDM170 (3 credits) Motion Graphics (After Affects)

Introduces Adobe<sup>®</sup> 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: DDM160, and DDM150.

#### DDM185 (3 credits) Introduction to Digital Video (Premiere)

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. Formerly offered as DDM180. Prerequisite: CIS120 or documented proficiency.

## DDM186 (3 credits) Advanced Digital Video

Introduces digital video production planning, project management, collaboration, acquisition, comprehension, creative problem-solving, leadership, 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 projects. Class would culminate with small groups preparing and producing short films. Additional lab hours required. Formerly offered as DDM181. Prerequisite: DDM185.

#### DDM190 (3 credits) Introduction to Animation (Adobe Animate)

Using the Adobe Animate application, students design rich media Web content containing interactivity, animation and sound. Students gain an understanding of Animate's logic, concepts and language. In addition, students will learn of designer/developer resources for continued self-paced learning. Topics include introduction to rich media; the Animate drawing tools; creating Animate movies; adding graphic elements; designing with text; symbols, instances, and libraries; working with sound and motion; using ActionScript to create interactivity; combining Animate with HTML; integrating Illustrator and Photoshop with Animate using Animate Catalyst; publishing an Animate website. Prerequisite: CIS120 or documented proficiency.

### DDM191 (3 credits) Advanced Animation II

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: CIS195, DDM190, and MTH95 or designated placement score.

#### DDM200 (3 credits) Survey of Design and Film History

This is a survey course on the major developments, movements and critical approaches of design and film from the Industrial Revolution to the present. This course emphasizes an understanding of the historical, cultural, commercial and aesthetic contexts that influence graphic and cinematic styles of the twentieth century, using the works of designers, artists film-makers. Students will conduct research, prepare a research paper, a presentation and create a poster on a chosen subject of the 20th Century. Additional lab hours required. Prerequisites: WR121 or designated placement score, and DDM120.

# DDM220 (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. A professional approach to the discipline will be stressed. Additional lab hours required. Prerequisite DDM120.

# DDM221 (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. Additional lab hours required. Prerequisites: DDM140, DDM150, and DDM160.

#### DDM223 (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 twoand 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. Prerequisite: DDM220.

### DDM224 (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: DDM220 and DDM221.

### DDM225 (3 credits) 3D Graphics Design (Blender)

Provides an introduction to the principles of developing basic 3D graphic imagery and animations. Using a hands-on approach, students develop competence in using Blender to create 3D graphics. Topics include: modeling objects, generating surfaces, and working with textures, cameras, and lighting. Prerequisite: CIS120 or documented proficiency. Recommended prerequisites: DDM150 and DDM160.

### DDM226 (3 credits) Advanced 3D Graphics Design II (Maya)

Provides competency in advanced concepts of design and development of complex 3D graphic images, animations, and special effects. Using a hands-on approach, students develop competence in using Maya to create 3D graphics. Topics include: modeling objects, generating surfaces, and working with textures, cameras, and lighting. Prerequisite: DDM225.

## DDM229 (3 credits) Portfolio and Professional Practices

This course will discuss the opportunities in the various fields of Web design, and graphic design. Students will be guided in the preparation of a digital portfolios of their work, in the development of resumes, a personal identity system for a business cards, letterheads and envelops, 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 a confident and professional attitude. Additional lab hours required. Prerequisite: DDM220.

# DDM230 (3 credits) Studio Capstone

Advanced exploration of completing a community project, with the emphasis upon creative problem solving, project management and professional practices. Students will learn to solve complex visual communication problems through projects in design, advertising, social media and video production. Provides the opportunity to work collaboratively on special projects and includes in-depth study of processes and procedures. Additional lab hours required. Prerequisite: DDM220. Corequisite: DDM229.

#### DDM231 (3 credits) Content Management Systems (Word Press)

Introduces a broad range of topics related to various Content Management Systems, social media marketing, email marketing and SEO practices that will allow students to explore and understand the fundamentals of building CMS database-driven sites through the creation of their own responsive, user-friendly website. Additional topics will include purchasing and configuring a domain name and web hosting, installing WordPress, content creation and customization, modifying themes using CSS and HTML, choosing and installing plugins and payment platforms, website design trends and UX/UI functionality. Course formerly offered as DDM131.Prerequisite: CIS120 or documented proficiency.

# DDM235 (4 credits) Website Design

Provides students with a foundation in web user interface design, including usability, navigation, visualization, functionality (site maps, FAQs) and site accessibility. Students will use X/HTML and CSS to create websites that incorporate these concepts while maintaining visual appeal. Also introduces students to the core principles and methodologies of information architecture including content assessment and organization, defining organizational structures, and developing interactive web site prototypes. Prerequisite: CIS195.

### DDM280 (variable credits) Cooperative Work Experience / Design and Digital Media

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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 2 terms of their certificate or degree. Prerequisite: Permission of CWE Instructor or Department Chair.

# DS - DIESEL TECHNOLOGY

# **Career and Technical Courses**

#### DS111 (6 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.

# 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. Prerequisite: DS131. Corequisite: DS190.

#### DS120 (5 credits) Diesel 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 (4 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 (3 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 (4 credits) Heavy Equipment Power Trains

Studies the principles of operation of heavy transmissions, differentials, and clutches, and provides for handson experience in the servicing, inspecting, and rebuilding of them. Prerequisites: AM111, AM111L or DS111 and AM120, AM120L or DS120.

# DS151 (5 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 (5 credits) Heavy Equipment Suspension and Steering Systems

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, AM111L or DS111, and AM120, AM120L or DS120.

#### DS199 (variable credits) Special Studies: Diesel

Presents workshops dealing with the diesel and heavy equipment industry and related issues; scheduled as needed. Prerequisite: Diesel student enrolled as a declared major in the program.

#### DS232 (3 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 (4 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.

### DS260 (3 credits) Hydraulic Systems for Heavy Equipment

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, AM111L or DS111 and AM120, AM120L 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 (5 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 credits) Cooperative Work Experience / Diesel

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: AM111AM111L or DS111 and AM120, AM120L, or DS120.

# DS290 (3 credits) Diesel Repair Lab

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. Course is repeatable up to six credits.

# ECE - 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. Covers the history and roots, current issues and challenges in the field, and explores professional education and career directions for teachers of young children birth to eight years. Community observations in early childhood settings are required.. Prerequisites: BT113 or WR115, or designated placement 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 Child Development Associate (CDA) subject areas of child growth and development and observation as well as the functional areas of physical, cognitive, communication, and creative. Child observations are required. Community observations in early childhood settings may be required. Equivalent to ECE125A, ECE125B and ECE125C. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

#### ECE125A (1 credit) Early Childhood Development (Part A - Prenatal and Infant)

An overview of child development from conception through one year of age. The focus is on studying and observing the physical, cognitive, language, emotional, and social aspects of the individual during this period. Includes the Child Development Associate (CDA) subject areas of child growth and development and observation. Child observations are required. Community observations in early childhood settings may be required.

#### ECE125B (1 credit) Early Childhood Development (Part B) Physical and Cognitive

An overview of child development, focusing on studying and observing the physical and cognitive, aspects of the individual during this period. This course includes the Child Development Associate (CDA) subject areas of child growth and development and observation.

#### ECE125C (1 credit) Early Childhood Development (Part C) Communication and Creative

An overview of child development from one through eight years of age. The focus is on studying and observing the communication and creative aspects of the individual during this period. This course includes the Child Development Associate (CDA) subject areas of child growth and development and observation.

#### ECE126 (3 credits) Early Childhood Education Best Practices

Examines the basics of establishing a safe, healthy, and developmentally appropriate learning environment for young children. Includes the Child Development Associate (CDA) subject areas of safe, healthy and learning environment. Community observations in early childhood settings are required. Equivalent to ECE126A, ECE126B, ECE126C. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

### ECE126A (1 credit) Early Childhood Education Best Practices (Part A) Safe Environments Examines the basics of establishing a safe classroom

environment. Includes the Child Development Associate (CDA) subject area of Safe.

#### ECE126B (1 credit) Early Childhood Education Best Practices (Part B) Healthy Environments

Examines the basics of establishing a healthy environment for young children. Includes the Child Development Associate (CDA) subject area of Healthy.

# ECE126C (1 credit)

#### Early Childhood Education Best Practices (Part C) Developmentally Appropriate Learning Environments Examines the basics of establishing a developmentally

examines the basics of establishing a developmentally appropriate learning environment for young children. Includes the CDA subject areas of Learning Environment.

#### ECE135 (3 credits) Applied Child Development

Examines the importance of promoting social and emotional development in young children. Explores appropriate guidance techniques. Includes the Child Development Associate (CDA) subject areas of, self, social and guidance. Community observations in early childhood settings are required. Equivalent to ECE135A, ECE135B, ECE135C. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

#### ECE135A (1 credit) Applied Child Development (Part A) Promoting Emotional Skills

Examines the importance of promoting emotional development in young children. Includes the Child Development Associate (CDA) subject area of Self.

#### ECE135B (1 credit) Applied Child Development (Part B) Promoting Social Skills

Examines the importance of promoting social development in young children. Includes the Child Development Associate (CDA) subject area of Social. Community observations in early childhood settings are required.

#### ECE135C (1 credit) Applied Child Development (Part C) Providing Positive Guidance

Examines appropriate guidance techniques to promote social and emotional development in young children. This course includes the CDA subject area of Guidance.

#### 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. Equivalent to ECE136A, ECE136B, ECE136C. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

# ECE136A (1 credit) A Professional Overview (Part A) Promoting Family Engagement

Examines the importance of promoting family involvement in early childhood programs in order to promote children's positive development. Includes the Child Development Associate (CDA) subject area of Families. Community observations in early childhood settings are required.

#### ECE136B (1 credit) A Professional Overview (Part B) Providing Program Management

Examines the importance of developing an effective early childhood classroom program based on the needs and interests of the children. Includes the Child Development Associate (CDA) subject area of Program Management. Community observations in early childhood settings are required.

#### ECE136C (1 credit) A Professional Overview (Part C) Promoting Professionalism

Examines the importance of continuing professional growth. Includes the CDA subject area of Professionalism. Community observations in early childhood settings are required.

# ECE151 (3 credits)

#### **Guiding Children in Group Settings** Addresses positive ways to support children's social-

emotional development from birth to age eight by understanding children's behavior. Focuses on adult-child and child-child interactions and relationships. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores; and ECE125, ECE161, ECE163, or ED225 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: BT113 or WR115 or designated placement score and ECE125, ECE161, ECE163, or ED165 or permission of Instructor.

### 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: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores, and ECE125, ECE161, ECE163, or permission of Instructor.

# ECE161 (3 credits) Infant/Toddler Development

Explores child growth and development in detail from the prenatal period to age three, 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. Prerequisite: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

# ECE163 (3 credits) Preschool/Primary Development

Explores child growth and development in detail from three through eight 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. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

### ECE175 (3 credits) Developmentally Appropriate Practices

Explores developmentally appropriate practices (DAP) for children from birth through age eight, and the role of play in DAP. Examines environments and practices that promote positive growth in all developmental domains. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores and ECE125, ECE161, ECE163, or ED225 or permission of instructor.

#### ECE199 (variable credits) Special Topics - Early Childhood Education

Focuses study in a variety of Early Childhood Education topics to fulfill specific educational goals.

#### ECE240 (3 credits) Play-Based Learning in Elementary Schools

Explores why play is a fundamentally important part of children's learning and development. Examines play-based curriculum that meets state standards in elementary classrooms. Emphasizes the role of the teacher in supporting a playful mindset in the classroom community. Prerequisites: WR115 or designated placement score; and ECE163 or ED225.

### ECE241 (3 credits) Promoting Cognitive Development

Examines the development of integrated curriculum promoting cognitive development by engaging children in units that are child-centered and are based on observation of their interests and needs. Prerequisites: BT113 or WR115 or designated placement score, and ECE161, ECE163.

#### 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: BT113 or WR115 or designated placement score, and HS158.

#### 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 is equivalent to ECE243A/ECE243B/ ECE2343C combined. Prerequisites: WR115 or designated placement scores; ECE125, ECE161, ECE163, or ED225 or permission of Instructor.

# ECE243A (1 credit) Promoting Child Health and Physical

**Development: Health and Wellness** 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. Prerequisites: WR115 or designated placement scores; ECE125, ECE161, ECE163, or ED225 or permission of Instructor.

#### ECE243B (1 credit) Promoting Child Health and Physical Development: Nutrition and Physical Activity

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. Prerequisites: BT113 or WR115 or designated placement scores; ECE125, ECE161, ECE163, or ED225 or permission of Instructor.

#### ECE243C (1 credit) Promoting Child Health and Physical Development: Appropriate Practices and Special Needs

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. Prerequisites: BT113 or WR115 or designated placement scores; ECE125, ECE161, ECE163, or ED225 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: WR115 or designated placement scores; ECE161, ECE163, or ED225 or permission of Instructor.

### 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: WR115 or designated placement scores; ECE151 and ECE161, ECE163, or ED225 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. Prerequisites: WR115 or designated placement scores; ECE 125, ECE161, ECE163, or ED225 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: BT113 or WR115 or designated placement scores; ECE161, ECE163, or ED225 or permission of Instructor.

# ECE252 (3 credits) Family Child Care Environment

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: BT113 or WR115 or designated placement score, and ECE161 and ECE163.

#### ECE254 (3 credits) Preschool Curriculum and Environments

Designed for those working with preschool-aged children. Covers how to select, present, and evaluate materials and activities for 2½- to 5-year-old children. Emphasizes how to fulfill curriculum standards using developmentally appropriate teaching strategies. Prerequisites: BT113 or WR115 or designated placement score; and ECE161.

#### ECE255 (3 credits) Infant/Toddler Curriculum and Environments

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: BT113 or WR115 or designated placement score, and ECE161.

### ECE256 (3 credits) Primary Curriculum

Designed for those planning to work with kindergarten and primary-age children. Covers how to select, present, and evaluate materials and activities for children five to eight years old. Emphasizes how to fulfill curriculum standards using developmentally appropriate teaching strategies. Prerequisites: BT113 or WR115 or designated placement scores; ECE163 or ED225 or permission of the 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, supporting child development knowledge, responding to individual family culture, and incorporating a trauma-informed care approach. Prerequisites: BT113 or WR115 or designated placement score, and HS155, HS158.

#### ECE261 (3 credits) 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. Criminal history check required as students will be in early childhood or elementary school settings. Prerequisites: BT113 or WR115 or designated placement score, all required 100-level ECE courses, and ECE254, ECE255, or ECE256.

# ECE262 (3 credits) Advanced Practicum II and Seminar

Provides supervised teaching of children in a lab school or community setting, applying what has been learned through coursework and previous lab experiences. Students will take on the role of a lead teacher for a portion of the experience. 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 types of trauma experienced by young children, the impact of trauma on early brain development, and principles of working with children and families who have experienced trauma. Emphasizes trauma-informed practices and importance of self-reflection and self-care for professionals. Prerequisites: WR115 or designated placement scores; ECE 125, ECE161, ECE163, or ED225 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 Prerequisite: BT113 or WR115 or designated placement score.

#### ECE275 (3 credits) Equity, Diversity, and Inclusion in Education

Explores the role of the adult in helping children accept and appreciate diversity and uphold values of equity, inclusion and social justice. Prerequisites: BT113 or WR115 or designated placement scores; ECE 125, ECE161, ECE163, or ED225 or permission of Instructor.

#### 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: BT113 or WR115 or designated placement score, and ECE100, ECE136.

### 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. Community observations in early childhood settings are required. Prerequisite: BT113 or WR115 or designated placement score, and ECE136.

# ECON - ECONOMICS

Lower Division Collegiate

#### 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. Prerequisite: BT114 or WR115 or designated placement score.

#### 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. Prerequisite: BT114 or WR121, or designated placement score. Recommended prerequisite: CIS125WW.

### ECON202 (4 credits) Principles of Macroeconomics

Studies 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. Prerequisite: BT114 or WR121 or designated placement score. Recommended prerequisite: CIS125WW.

# ED - EDUCATION

# Lower Division Collegiate

# ED120 (1 credit) Leadership I

Introduces basic skills in leadership. Special attention is given to developing basic leadership skills and cultural systems awareness.

# 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: ED120.

### ED122 (1 credit) Leadership III

Selected projects are provided to teams of students that will require the use of effective leadership and manage-

ment skills to achieve success. Special attention is given to assessing and providing students with meaningful coaching and feedback on their use of key leadership and management skills. Prerequisite: ED121.

### ED170 (variable credits) Introductory Practicum

Provides supervised work with children in a classroom setting. The student will work with instructor to identify a different site for each practicum credit. Prerequisites: RD90 and WR90; or WR91 or designated placement scores; and ECE125, ECE161, ECE163, or ED225.

#### ED200 (3 credits) Introduction to Teaching

This course investigates the historical, global, social, legal and philosophical foundations of education. It provides an overview of the structure and contemporary issues of the American education system. It explores the roles and ethical consideration of the education profession. Prerequisite: WR115 or designated placement score.

#### ED225 (3 credits) Child Development

Explores child growth and development from the prenatal period through middle childhood. Requires observing children in a classroom setting. Prerequisite: WR115 or designated placement score.

# ED282 (3 credits) Community College Teaching

This course provides community college educators with practical and progressive techniques on what to do inside and outside the classroom to help students succeed. These practices and strategies can be applied to both in-person and online learning formats. Additionally, this course covers basic tools for navigating instructor responsibilities at Rogue Community College.

# ED283 (3 credits) Effective Online Instruction in Community Colleges

This course covers synchronous and asynchronous online course design, management and best practices for community college instructors. Topics covered include backward design, content creation, assessment, student engagement strategies, communication with students, accessibility and equity. By the end of the term students will create an online course ready for delivery.

# **EET - 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. Recommended prerequisite: MTH20.

#### EET104 (4 credits) Fundamentals of Manufacturing Electronics

Provides students with a hands-on survey of manufacturing electronics concepts, circuits, and systems. The course introduces DC/AC theory, digital, solid state, power supply fundamentals, and integrated circuits. Topics covered include: safety practices related to working with electrical devices; electrical components and wiring; electronic test instruments; tools and fasteners; electrical units and nomenclature; principles and analysis of series, parallel, and series-parallel circuits; electrical power generation and control; and filtering devices and 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. Prerequisites: MTH20, RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Recommended prerequisite: MTH60.

### EET105 (4 credits) Digital Concepts for Manufacturing

Exploration of digital fundamental concepts and applications relevant to manufacturing processes and Programmable Logic Controllers (PLC's) including 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 build, test and troubleshoot ladder logic circuits. Students will do analysis of combination logic circuits and their operation and examine the characteristics of TTL and CMOS digital ICs. Students will also be introduced to the fundamentals of latches, flip-flops, decoders, and seven segment LED's. Safety practices in the work place are emphasized including personal and equipment protection, component (ESD) and ROHS compliant standards. Prerequisite: EET104.

# EET112 (3 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. Pretequisites: MTH20 and WR90 or WR91 or designated placement 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: CIS120 or documented proficiency, and MTH20 or designated placement score.

#### EET118 (5 credits) Introduction to Renewable Energy Systems

Introduces solar, hydro, thermal, wind, bio-fuels, and control and conversion systems. Students will learn appropriate safety practices, terminology, and mathematics concepts/applications tied to renewable energy sources and systems. Includes hands-on projects and application assignments. Prerequisites: EET125. Corequisite: MTH63 or MTH60 or designated placement score.

#### 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: MTH60 or MTH63 or designated placement score, and EET118, EET125.

#### EET121 (2 credits) North American Board of Certified Energy Practitioners (NABCEP) Entrylevel Preparation

Provides students with a review of system design, installation, mechanical connections, and safety requirements for photovoltaic (PV) systems in preparation for the North American Board of Certified Energy Practitioners (NABCEP) entry-level certification test. Prerequisites: EET120 and MTH60 or MTH63 or designated placement scores.

### EET125 (5 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, analysis methods; and theory and application of magnetism and electromagnetism. Corequisite: MTH60 or MTH63 or designated placement score.

#### EET126 (5 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 or designated placement score.

#### EET127 (3 credits) Exploring the Raspberry Pi

Provides students with a hands-on exploration of the Raspberry Pi Embedded System including an introduction to basic interface circuits for input and output. Introduces the embedded Linux operating system and processes, programming basics in Python, C++/C, Sonic Pi, WiringPi, and Bash languages. Enhanced learning provided through practical lab projects using the Raspberry Pi, software, and accessories. Recommended prerequisites: CIS120 or documented proficiency and MTH20 or designated placement score.

#### EET129 (3 credits) Introduction to Embedded Systems

Provides students with a hands-on introduction to embedded systems and basic electronic interfacing circuits. Introduces DC circuits that are used with embedded systems. Explores the use of embedded C programming language to control a microcontroller to turn on and off LEDs, motors and speakers. Enhanced learning provided by practical lab projects and programming to implement decisions based on input conditions to control output interface circuits. The lab assignments provide opportunities for increased knowledge and proficiency in the proper use of industry-standard electronics test equipment. Recommended prerequisites: CIS120 or documented proficiency and MTH20 or designated placement score.

# EET130 (5 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 operation, and examines 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. Embedded-C programming is used in conjunction with Arduino Microcontroller development board to develop proficiency in building and troubleshooting digital systems. An introduction to Field Programmable Gate Array Devices (FPGAs) with Quartus Prime Software and DE10-Lite Development board (FPGA Platform) is explored. Hands-on laboratory experience is used to enhance theoretical concepts and develop troubleshooting skills. Prerequisites: EET125, EET129.

#### EET131 (5 credits) Digital Fundamentals II

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 operation, and examines 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. Embedded-C programming is used in conjunction with Arduino Microcontroller development board to develop proficiency in building and troubleshooting digital systems. An introduction to Field Programmable Gate Array Devices (FPGAs) with Quartus Prime Software and DE10-Lite Development board (FPGA Platform) is explored. Hands-on laboratory experience is used to enhance theoretical concepts and develop troubleshooting skills. 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 and Logic Testing. Laboratory assignments and projects will focus on using the Intel/Alteras platform and Verilog programming language to implement and test designs. Prerequisite: EET131.

### EET140 (6 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 handson experience with industry-standard test equipment, software simulation is used to enhance the presentation of theory and circuit applications, and the development of troubleshooting skills. Prerequisite: EET126.

#### EET180 (variable credits) 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. Prerequisite: Initial standing in Electronics Technician certificate or Electronics Technology AAS degree program.

#### EET199 (variable credits) Selected Topics in Electronics

Provides study for students in technical programs in areas linked to industry. State-of-the-art equipment is used for industry standard-level instruction. Prerequisites: MTH20 and WR90 or WR91 or designated placement score. Corequisite: CIS120 or documented proficiency.

#### EET205 (1 credit) International Society of Certified Electronic Technicians (ISCET) Certification/Preparation

Prepares students for ISCET associate level examination using software, review exercises, and International Society of Certified Electronics Technicians (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.

#### 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.

# EET220 (5 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 (5 credits) Radio Frequency Communications Fundamentals

Examines the principles and circuitry utilized for radio frequency transmission and reception. In addition to basic principles and underlying theory, typical circuits for implementing amplitude modulation, frequency modulation, and digital communications techniques are discussed. Additional topics include basic principles and typical structure of communications receivers and transmitters, basic principles and techniques for multiplexing and de-multiplexing radio frequency signals, transmission line theory and application, electromagnetic wave propagation, and antenna fundamentals. Emphasis is placed on development of hands-on operational performance evaluation, tuning, and troubleshooting skills. Prerequisite: EET220.

### EET235 (5 credits) Microwave Applications

Provides instruction in microwave theory and handson 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 solidstate 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: EET130.

# 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 embedded devices that include the AVR microcontrollers, Raspberry Pi, or Arduino platforms, with instructor approval, the Web Pack software ISE 7.1 for development of designs and test bench waveforms. Prerequisites: EET220 and EET240. Recommended Corequisite: EET241.

#### EET280 (variable credits) Cooperative Work Experience / Electronics

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

# EMS - EMERGENCY MEDICAL SERVICES

### **Career and Technical Courses**

#### EMS160 (2 credits) Electrocardiogram (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, 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 (i.e. EMT, CNA, etc.)

#### 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: RD90 and WR90 (WR91 substitutes for both RD90 and WR90), and MTH20 or designated placement scores.

### EMS211 (4 credits) Advanced EMT Intermediate - Part I

Prepares individuals for National Registry certification as Advanced EMT and licensure in Oregon as an Emergency Medical Technician – Intermediate. The course will develop a student's ability to recognize and treat the symptoms of illness and injury in the pre-hospital setting. Prerequisites: Current Oregon EMT licensure. This is a limited-entry course and requires completion of an application process prior to admission. Prior to clinical experience a criminal background check and drug screen must be completed. Corequisite: EMS211L.

#### EMS211L (1 credit) Advanced EMT Intermediate - Part I Lab

EMS211L 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) as well as advanced cardiac life support skills and manual defibrillation. Prerequisites: Current Oregon EMT licensure. This is a limited-entry course and requires completion of an application process prior to admission. Prior to clinical experience a criminal background check and drug screen must be completed.

# EMS212 (4 credits)

Advanced EMT Intermediate - Part II Prepares individuals for National Registry certification as Advanced EMT and licensure in Oregon as an Emergency Medical Technician – Intermediate. The course will develop a student's ability to recognize and treat the symptoms of illness and injury in the prehospital setting. Prerequisites: Successful completion of EMS211 and EMS211L. Current Oregon EMT or A-EMT licensure. Prior to clinical experience a criminal background check and drug screen must be completed. Corequisites: EMS212L and EMS222.

#### EMS212L (1 credit) Advanced EMT Intermediate - Part II Lab

EMS212L 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) as well as advanced cardiac life support skills and manual defibrillation. Prerequisites: Successful completion of EMS211 and EMS211L. Current Oregon EMT or A-EMT licensure. Prior to clinical experience a criminal background check and drug screen must be completed.

# EMS213 (2 credits)

Advanced EMT Intermediate - Part III Prepares individuals for National Registry certification as Advanced EMT and licensure in Oregon as an Emergency Medical Technician – Intermediate. The course will develop a student's ability to recognize and treat the symptoms of illness and injury in the prehospital setting. Prerequisites: Successful completion of EMS212, EMS212L, and EMS222. Current Oregon EMT or A-EMT licensure. Prior to clinical experience a criminal background check and drug screen must be completed. Corequisites: EMS213L and EMS223.

#### EMS213L (1 credit) Advanced EMT Intermediate - Part III Lab

EMS213L 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) as well as advanced cardiac life support skills and manual defibrillation. Prerequisites: Successful completion of EMS212, EMS212L, and EMS222. Current Oregon EMT or A-EMT licensure. Prior to clinical experience a criminal background check and drug screen must be completed.

#### EMS222 (1 credit) Advanced EMT Intermediate - Clinical Practice II

Provides clinical experience that focuses on practical application of the skills and knowledge acquired in EMS211, EMS211L and EMS212, EMS212L. Prerequisites: Successful completion of EMS211 and EMS211L. Current Oregon EMT or A-EMT licensure. Prior to clinical experience a criminal background check and drug screen must be completed. Corequisites: EMS212, EMS212L, and EMS223.

#### EMS223 (2 credits) Advanced EMT Intermediate - Clinical Practice III

Provides clinical experience that focuses on practical application of the skills and knowledge acquired in EMS211, EMS211L, EMS212, EMS212L, EMS213 and EMS213L. Prerequisites: Successful completion of EMS212, EMS212L, and EMS222. Current Oregon EMT or A-EMT licensure. Prior to clinical experience a criminal background check and drug screen must be completed. Corequisites: EMS213, EMS213L, and EMS222.

### EMS270 (3 credits) Paramedic Preparation

Prepares students for entry into the Paramedic course series. Covers basic concepts of anatomy and physiology related to emergency care. Investigates the pathophysiology of common diseases and the likely patient presentations for each. Topics include patient assessment, differential diagnosis, critical thinking, and medical decision-making Prerequisites: Acceptance into the RCC Paramedic course, which is a limited-entry course and requires completion of an application process prior to admission.
## EMS271 (8 credits) Paramedic Part I

The first of a four-term sequence in the paramedic education series. Covers patient assessment, advanced pathophysiology, airway management, general pharmacology, respiratory emergencies, intravenous (IV) therapy, obstetrics, and pediatrics. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license. This is a limitedentry course and requires completion of an application process prior to admission. Course requires a written application prior to admission. Corequisites: EMS271L and EMS281.

#### EMS271L (2 credits) Paramedic Lab Part I

Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs and simulated emergency scenes. 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. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license. This is a limitedentry course and requires completion of an application process prior to admission. Course requires a written application prior to admission.

## 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 pathophysiology 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: EMS271, EMS271L and EMS281 with a "C" or better and Current Oregon EMT, AEMT, or EMT Intermediate license. Corequisites: EMS272L and EMS282.

#### EMS272L (2 credits) Paramedic Lab Part II

Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs and simulated emergency scenes. Includes hands-on assessment and utilizes 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. Prerequisites: EMS271, EMS271L and EMS281 with a "C" or better and Current Oregon EMT, AEMT, or EMT-Intermediate license.

#### EMS273 (7 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 EMS Operations, gastrointestinal and renal issues, toxicology, infectious disease, environmental emergencies, endocrinology, and ethical and legal issues. Prerequisites: EMS272, EMS272L and EMS282 with a "C" or better and current Oregon EMT, AEMT, or EMT-Intermediate license. Corequisites: EMS273L and EMS283.

## EMS273L (2 credits) Paramedic Lab Part III

Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs and simulated emergency scenes. Includes hands-on assessment and utilizes 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. Prerequisites: EMS272, EMS272L and EMS282 with a "C" or better and current Oregon EMT, AEMT, or EMT-Intermediate license.

## EMS281 (2 credits) Paramedic Clinical Practice I

The clinical experience of this course will focus on airway management in the OR setting and patient assessment in the Emergency Department, and Basic Life Support (BLS) assessments with a Paramedic Field Preceptor. The class will begin with an orientation session to the clinical tracking system and the RCC Paramedic Clinical Manual. Specific procedures and issues common to clinical sites will be reviewed with the students prior to beginning their rotations. Clinical orientation to each site may be required prior to clinical placement. Prerequisites: Current Oregon EMT, AEMT, or EMT-Intermediate license. Corequisites: EMS271 and EMS271L.

#### EMS282 (3 credits) Paramedic Clinical Practice II

The clinical experience of this course will focus on airway management in the OR, 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 with the students prior to beginning their rotations. Prerequisites: EMS271, EMS271L, and EMS281 with a "C" or better and current Oregon EMT, AEMT, or EMT Intermediate license. Corequisites: EMS272 and EMS272L.

## EMS283 (3 credits) Paramedic Clinical Practice III

The clinical experience of this course will focus on patient assessment and treatment, and application of paramedic skills in the ED, airway management in the OR setting, management of critical patients in the ICU and CCU, and assessment and management of patients with respiratory conditions. Specific procedures and issues common to these clinical sites will be reviewed with the students prior to beginning their rotations. Prerequisites: EMS272, EMS272L, and EMS282 with a "C" or better and current Oregon EMT, AEMT, or EMT-Intermediate license. Corequisites: EMS273 and EMS273L.

## EMS284 (9 credits) Paramedic Clinical Practice IV

This is the field internship portion of the paramedic course. Individual conferences with the course director, clinical coordinator and/or clinical instructors will be conducted throughout the course of the term. Prerequisites: EMS273, EMS273L, and EMS283 with a "C" or better and current Oregon EMT, AEMT, or EMT-Intermediate license.

#### EMS299 (variable credits) Emergency Medical Services: Selected Topics

Provides Inservice training in a variety of emergency medical service topics. Prerequisites: Some level of advanced emergency training or background is suggested (i.e. AEMT, EMT-Intermediate, Paramedic, RN, etc.)

## ENG - ENGLISH

## Lower Division Collegiate

#### ENG104 (4 credits) Introduction to Literature (Fiction)

Provides a survey of important works of fiction by writers from different cultures and time periods. Course is designed to foster thoughtful interpretation, analysis, and appreciation of fiction. Prerequisite: WR115 or designated placement score.

#### ENG105 (4 credits) Introduction to Literature (Drama)

Provides a survey of representative works of drama from different cultures and time periods. In addition to providing an introduction to important plays, playwrights, and historical movements in drama, the course explores the nature of the dramatic experience, with emphasis on understanding and appreciating live productions. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

## ENG107 (4 credits)

World Literature: Ancient to Classical World Literature: Ancient to Classical 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. Prerequisite: WR115 or designated placement score.

#### ENG108 (4 credits) World Literature: Medieval to Renaissance

World Literature: Medieval to Renaissance 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. Prerequisite: WR115 or designated placement score.

#### ENG109 (4 credits) World Literature: Enlightenment to Modern

World Literature: Enlightenment to Modern Provides a survey of important works of literature representing the 17th century Ottoman Empire, the Enlightenment in Europe, Romanticism in Europe and America, popular art in pre-Modern Japan, 19th century realism, and twentieth century literature in a global context. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or designated placement score.

#### ENG199 (variable credits) Special Studies: English

The course is offered in a number of formats: workshop, seminar, or independent study. Prerequisite: varies by course

## ENG201 (4 credits) Shakespeare I

Introduces Shakespeare's plays with an emphasis on current theoretical approaches and performance history. The course will cover three to five plays from among Shakespeare's comedies, romances, histories, and tragedies. Prerequisite: WR115 or designated placement score.

## ENG202 (4 credits) Shakespeare II

Introduces Shakespeare's plays with an emphasis on current theoretical approaches and performance history. The course will cover three to five plays from among Shakespeare's comedies, romances, histories, and tragedies. Prerequisite: WR115 or designated placement score.

#### ENG204 (4 credits) Survey of English Literature: Medieval to Renaissance

Provides a historical survey of important works from the literature of the British Isles, from the roots of Old English in the fifth century through the Early Modern period. The course is designed to foster thoughtful interpretation, analysis, and appreciation of literature. Prerequisite: WR115 or designated placement score.

#### ENG205 (4 credits) Survey of English Literature: 18th Century to Romantic

Provides a historical survey of important works from the literature of the British Isles from the seventeenth century Restoration period through the Romantic period of the early nineteenth century. The course is designed to foster thoughtful interpretation, analysis and appreciation of literature. Prerequisite: WR115 or designated placement score.

#### ENG206 (4 credits) Survey of English Literature: Victorian to Modern

Provides a historical survey of important works from the literature of the British Isles and nations it colonized from the Victorian period through the twentieth century. The course is designed to foster thoughtful interpretation, analysis, and appreciation of literature. Prerequisite: WR115 or designated placement score.

#### ENG253 (4 credits) Survey of American Literature: Colonial

Provides a survey of literary works from the Colonial, Enlightenment, and Romantic periods, and includes such diverse forms as essays, journals, sermons, political documents, poetry and fiction. Prerequisite: WR115 or designated placement score.

#### ENG254 (4 credits) Survey of American Literature: 19th Century

Provides a survey of American literature between the 1830s and the turn of the century, and includes such diverse forms as essays, journals, sermons, political documents, poetry and fiction. In many of the works, historical events such as slavery and the Civil War provide both background and subject matter for the artistic productions of the authors studied. Prerequisite: WR115 or designated placement score.

#### ENG255 (4 credits) Survey of American Literature: 20th Century

Provides a survey of American literature between the early

1900s to the present. In many of the works, historical events such as World War I, the Great Depression, and World War II provide both background and subject matter for the artistic productions of the authors studied. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

## 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. Prerequisite: WR115 or designated placement score.

### ENG280 (variable credits) Cooperative Work Experience / English

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: Cooperative education is open to all students who have completed at least onehalf of the required classes for their program of study, and have the recommendation of the Department CWE advisor.

## ENGR - ENGINEERING

## Lower Division Collegiate

#### ENGR101 (2 credits) Engineering Orientation I: Careers, Skills and Computer Tools

Introduces engineering curricula, career paths, ethics, problem solving, communication, and computer programming. The three-term sequence is required for all areas of engineering. Prerequisite: MTH111 or designated placement score.

#### ENGR102 (2 credits) Engineering Orientation II: Careers, Skills and Computer Tools

Examines communication and problem-solving skills in engineering. Prerequisite: ENGR101.

#### ENGR103 (2 credits) Engineering Orientation III: Careers, Skills and Computer Tools

Examines communication and problem-solving skills in engineering. Prerequisite: ENGR102.

#### ENGR201 (2 credits) Electrical Fundamentals I

Examines electrical theory laws. Includes circuit analysis of DC circuits; natural, step, and sinusoidal responses of circuits; and operational amplifier characteristics and applications. Prerequisite MTH251. Corequisite: ENGR201L.

## ENGR201L (1 credit) Electrical Fundamentals I Lab

Lab associated with ENGR201.

#### ENGR202 (2 credits) Electrical Fundamentals II

Examines electrical-theory laws. Includes circuit analysis of AC circuits using complex numbers for single- and three-phase power. Students must enroll in lecture and laboratory sections. Prerequisite: ENGR201. Corequisite: ENGR202L.

## ENGR202L (1 credit)

**Electrical Fundamentals II Lab** Lab associated with ENGR202.

#### ENGR211 (3 credits) Statics

Analyzes forces induced in structures and machines by various types of loading. Prerequisites: PH211, PH211L.

#### ENGR212 (3 credits) Dynamics

Explores kinematics, Newton's laws of motion, workenergy theorem, and impulse-momentum relationships as applied to engineering systems. Prerequisite: ENGR211.

## ENGR213 (3 credits) Strength of Materials

Presents the concepts of introductory mechanics of materials. Topics addressed are the concept of stress, axial stress and strain, torsion, pure bending, transverse loading, transformations of stress and strain, design of beams and shafts for strength, deflection of beams, and columns. Prerequisite: ENGR211

## **ENV - ENVIRONMENTAL SCIENCE**

#### Lower Division Collegiate

#### 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, and explores 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 RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores(s).

## **ES - EMERGENCY SERVICES**

#### Career and Technical Courses

#### ES105 (4 credits) Introduction to Emergency Services

Explores the organization, funding, and role of emergency services within the community and government; 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 (5 credits) Emergency Medical Technician - Part I

ES131 is 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. Prerequisites: This is a limited-entry course and requires completion of an application process prior to admission. Prior to acceptance, students will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC requirements (AHA BLS certification, RCC placement process). Prerequisites: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and RD90) or designated placement score(s). Corequisite: ES131L.

#### ES131L (1 credit) Emergency Medical Technician - Part I Lab

ES131L 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). Prerequisites: This is a limited-entry course and requires completion of an application process prior to admission. Prior to acceptance, students will be required to complete all screening requirements outlined in OAR 409-030-0190 and additional RCC requirements (AHA BLS certification, RCC placement process). Prerequisites: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and RD90) or designated placement score(s).

#### ES132 (4 credits) Emergency Medical Technician - Part II

ES132 is the second 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. Prerequisite: Successful completion of ES131 and ES131L with a grade of C or better. Corequisite ES132L.

#### ES132L (2 credits) Emergency Medical Technician - Part II Lab

ES132L 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). Students will also be scheduled for assessment and skills procedures in an emergency department and on an ambulance (12hours each). Prerequisite: Successful completion of ES131 and ES131L with a grade of C or better.

#### ES171 (2 credits) Emergency Vehicle Operations

Presents the most up-to-date information on ambulance and fire apparatus operations 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. This course meets the requirements for Emergency Response and Transportation as outlined in the statewide Oregon Paramedicine degree. Prerequisite: Valid Oregon driver's license

## ES199 (variable credits) Emergency Services: Selected Topics

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). Prerequisite: Some level of emergency training or background is suggested (i.e. Emergency Medical Responder, EMT, Firefighter, etc.)

#### ES205 (3 credits) Crisis Intervention and Management for Emergency Services Workers

Focuses on the practical application of psychology in everyday situations including crises encountered in a variety of settings related to public safety workers. Presents materials on the communication and interaction with people in various crisis situations, death and death notification, suicide, behavioral emergencies, abuse, and stress. A great deal of time is spent on strategies for the personal health and wellness of the Emergency Services Worker. Techniques on the initial intervention, defusing and assessment, self-care, and referral in crisis are included. Prerequisites: BT113 or WR115 or designated placement score and completion of ES131 and ES131L or current Oregon EMT, Advanced-EMT, or EMT Intermediate license.

## 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. Prerequisites: ES131, ES131L.

#### ES280 (variable credits) Cooperative Work Experience / Emergency Services

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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. Prerequisites: ES132, ES132L, or FRP251, FRP251L, and prior arrangements with faculty or the Department Chair.

#### ES295 (3 credits) Health and Fitness for Emergency Service Workers

Provides students with the necessary health and wellness foundation needed prior to entering the emergency services fields of firefighting, paramedicine or law enforcement. Students receive an overview of the key topics that promote a life of health and wellness. 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 receive 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 goals for their health. Prerequisites: RD90 and WR90; or WR91 (WR91 substitutes for both RD90 and WR90); or designated placement scores.

## FR - FRENCH

#### Lower Division Collegiate

#### FR101 (4 credits) First Year French I

Introduces basic skills in French in speaking, writing, reading, and aural comprehension to the Novice Mid level. 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). FR101/102/103 must be taken in sequence. Prerequisite: WR115 or designated placement score.

#### FR102 (4 credits) First Year French II

Introduces basic skills in French in speaking, writing, reading, and aural comprehension to the Novice High level. 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). FR101/102/103 must be taken in sequence. Prerequisite: WR115 or designated placement score and FR101 or equivalent French language experience. Corequisite: WR121.

#### FR103 (4 credits) First Year French III

Introduces basic skills in French in speaking, writing, reading, and aural comprehension to the Intermediate Low level. 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). FR101/102/103 must be taken in sequence. Courses are not suitable for heritage speakers. Prerequisite: WR121 and FR102 or equivalent French language experience.

## **FRP - FIRE SCIENCE**

## **Career and Technical Courses**

#### FRP199 (variable credits) Fire Science: Selected Topics

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. Prerequisite: Some level of emergency training or background is suggested (i.e. Emergency Medical Responder, EMT, Firefighter, etc.)

## FRP211 (3 credits)

**Hiring Practices in the Fire Service** Covers methods of preparation for interviews, and tips on appearance, language usage, and interaction. Practice interviews are followed with critique sessions and tips on

identifying and eliminating weaknesses. 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. Prerequisite: FRP251, FRP251L.

#### FRP242 (3 credits) Introduction to Codes and Ordinances

Studies codes used in the fire service that provide students with the knowledge needed to explain how to effectively apply the codes and associate historic fires with the development of the codes used today.

#### FRP249 (3 credits) Fire Service Leadership

Examines and develops leadership and supervisory skills for mid-level supervisors in the fire service. Prerequisite: FRP251, FRP251L or permission of Instructor.

#### FRP251 (3 credits) Firefighter Level I

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.

#### FRP251L (5 credits) Firefighter Level I Lab Lab associated with FRP251.

#### 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, FRP251L 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. Students 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. Corequisites: FRP251, FRP251L.

### FRP258 (3 credits) Pumper Operator I

Covers hydraulic and fluid principles, friction loss, basic fire ground hydraulics, basic fire pump construction and operating principles. When combined with FRP259, meets Oregon Department of Public Safety Standards and Training and National Fire Protection Association #1002 Pumper Operator. Prerequisite: ES171.

#### FRP259 (3 credits) Water Supply Operations

Covers foam equipment and operations, drafting, relay and tandem pumping, 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: ES171, FRP258 or DPSST Driver and DPSST Pumper Operator.

#### FRP261 (2 credits) 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 an overview of fire prevention concepts including public education, public relations, fire inspections, fire investigation, and other topics commonly included in fire and life safety divisions with a correlation to historic and current events.

#### 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.

## 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, FRP251L.

#### 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.

#### 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.

## G - GEOLOGY

#### Lower Division Collegiate

#### 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. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

## G101 (3 credits)

## Introduction to Geology I

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: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Corequisite: G101L.

## G101L (1 credit)

**Introduction to Geology I Lab** Lab associated with G101.

#### G102 (3 credits) Introduction to Geology II (Surface Process)

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: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Recommended prerequisite: G101, G101L. Corequisite: G102L.

## G102L (1 credit) Introduction to Geology II (Surface Process) Lab

Lab associated with G102.

#### G103 (3 credits) Introduction to Geology III (Historical)

Covers the history of the evolution of the earth through the ages. Studies the formation of the universe, the solar system, and the beginning of the earth. Looks at the fossil record, glaciers, arid lands, the earth's resources, depositional environments, and the earth's history. Special emphasis is given to the geology of southern Oregon and various provinces of the Pacific Northwest when possible. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Recommended prerequisites: G101, G101L and/ or G102, G102L. Corequisite: G103L.

#### G103L (1 credit)

Introduction to Geology III (Historical) Lab

Lab associated with G103.

## **GEOG - GEOGRAPHY**

#### Lower Division Collegiate

## GEOG100 (3 credits)

Introduction to Physical Geography Builds an understanding of physical geography by examining the Earth's dimensions, energy balance, atmospheric characteristics (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: WR115 or BT113 or designated placement score.

## GEOG110 (4 credits)

Introduction to Human Geography Surveys world patterns of culture, population, migration, language, religion, identity, and political systems. Examines the geographies of human development, including globalization, urban areas, agriculture, industry and services and includes a focus on environmental sustainability. Emphasizes connections through the five themes of human geography: Movement, Region, Human-Environment Interaction, Location, and Place. Prerequisite: WR115 or designated placement score.

#### GEOG120 (4 credits) World Regional Geography

Examines the eleven 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: WR115 or designated placement score.

## **GS - GENERAL SCIENCE**

#### Lower Division Collegiate

#### GS104 (3 credits) Physical Science (Physics)

First of the general science series and a prerequisite to many other science courses. Presents an integrated study of forces and motions in the physical world. Students must enroll in lecture and laboratory sections. Prerequisites: MTH60 or MTH63, and RD90 or WR91 or designated placement score, or Instructor permission. Recommended prerequisite: MTH65. Corequisite: GS104L.

## GS104L (1 credit) Physical Science: Physics Lab

Lab associated with G104. First of the general science series and a prerequisite to many other science courses. Presents an integrated study of forces and motions in the physical world. Students must enroll in lecture and laboratory sections

#### GS107 (3 credits) Physical Science: Astronomy

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. Prerequisites: GS104 or PH201 or PH211 or MTH111 or CHEM221. Corequisite: GS107L.

## GS107L (1 credit) Physical Science: Astronomy Lab

Lab associated with G107. 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.

#### GS108 (3 credits) Physical Science: Oceanography

Presents a basic understanding of oceanic processes, and a comprehensive overview of the marine sciences. Designed to introduce the history of marine science, surveying ocean physics, chemistry, and biology. Presenting topics including: plate tectonics, surface current patterns, wave dynamics, tides, geologic features of the sea floor, coastlines, the life and ecology of the ocean world (marine animals and communities), marine resources, and environmental concerns. Having successfully completed this course, the student should be able to comprehend and identify the interrelationships and workings of the physical, chemical, botanical, and zoological worlds of the water. Prerequisite: MTH60 or MTH63 or designated placement score. Corequisite: GS108L.

## GS108L (1 credit)

Physical Science: Oceanography Lab Lab associated with G108. Presents a basic understanding of oceanic processes, and a comprehensive overview of the marine sciences. Designed to introduce the history of marine science, surveying ocean physics, chemistry, and biology. Presenting topics including: plate tectonics, surface current patterns, wave dynamics, tides, geologic features of the sea floor, coastlines, the life and ecology of the ocean world (marine animals and communities), marine resources, and environmental concerns. Having successfully completed this course, the student should be able to comprehend and identify the interrelationships and workings of the physical, chemical, botanical, and zoological worlds of the water. Coastal day trip included: students should expect to pay for food, transportation, and any entrance fees. Prerequisites: MTH60 or MTH63 or designated placement score

#### GS170 (3 credits) Regional Field Studies

Field studies involving hiking, camping, traveling by car, and possible overnight stays. Offers introductory 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. May not be offered every year. Please check with Department Chair. Prerequisites: RD90 and WR90 (WR91 substitutes for both RD90 and WR90) or designated placement test scores. Other prerequisites may apply depending on the specific offering.

## GS170L (1 credit) Regional Field Studies Lab

Lab associated with GS170. Field studies involving hiking, camping, traveling by car, and possible overnight stays. Offers introductory 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. May not be offered every year. Please check with Department Chair.

#### GS199 (variable credits) Special Studies: General Science

Offers individual and small group studies in a variety of science topics. May include ecological, biological, geological, and/or climatological emphasis. Prerequisites: May vary depending on subject offerings.

#### GS280 (variable credits) CWE/General Science

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

## HC – HEALTH CARE

## **Career and Technical Course**

#### 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: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and WR90), or designated placement scores.

## HD - HUMAN DEVELOPMENT

#### Lower Division Collegiate

#### HD114 (2 credits) Life Planning

The course is 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. Course is offered exclusively to TRiO SSS participants.

## HD215 (2 credits) Transfer Success

Prepare students for transfer to a 4-year college or university. Course content focuses on developing strategies for choosing a program major and a transfer institution, identification of resources to assist in the transfer process, and information for obtaining financial aid and scholarships. Students will utilize the Career Information Systems (CIS) and navigate university websites to aid in the decision making progress. Course is offered exclusively to TRiO SSS participants.

## **HE - HEALTH EDUCATION**

#### Lower Division Collegiate

## HE112 (1 credit) Emergency First Aid

Teaches students the critical skills necessary to respond to and manage a first aid, choking or sudden cardiac arrest emergency in the first few minutes until emergency medical services (EMS) arrives. Students learn skills such as how to treat bleeding, sprains, broken bones, shock and other first aid emergencies. Course allows more time for in-depth practice and testing in CPR as well as setting a scene for safety, learning about blood borne pathogens, AHA chain of survival, and the Good Sam Law. Upon successful completion of the written and practical portions of the course, students will receive an American Heart Association's Emergency First Aid Heartsaver \* card.

#### 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 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 be covered to allow students to seek out accurate and reliable information about EXSS. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90). Recommended prerequisite: HPE295.

#### HE145 (1 credit) Stress Management - Healthy Living

Stress management provides a comprehensive overview of several theories and applications of managing stress. The course involves cognitive, affective, and psychomotor domains with a focus on individual student processing through in-class and out-of-class applications and reflection. Through this course, students are challenged to take responsibility for their health and lifelong learning. Stress Management/Healthy Living will provide students with an overview of key lifestyle behaviors/ issues that promote a life of health and wellness: exercise, nutrition, and stress assessment, management and coping techniques will be the key topics of discussion

#### HE199 (variable credits) Special Studies: Health and Wellness Issues

Presents special topics in health including, but not limited to, smoking cessation, stress management, heart and back health, emotional health, and wellness assessment. Prerequisites: RD90 and WR90, or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

## HE208 (1 credit) HIV and Infectious Diseases

Introduces students to the epidemiology of HIV/AIDS, hepatitis virus, tuberculosis, and sexually transmitted diseases. Students will examine treatment options, prevention strategies, and 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: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90), or designated placement 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. Students are required to internalize the topics on a personal level and relate them to daily life. Prerequisite: WR115 or designated placement score.

## HE252 (3 credits) First Aid/CPR

Offers a basic life support plan for emergency care of cardiac victims until EMS arrives. Designed to help students recognize the signs and symptoms of a heart attack and cardiac arrest that pose a threat to life using techniques that emphasize the importance of compressions, airway management, and assisted breathing techniques "CABs." One- and two-rescuer strategies on adults, children and infants, airway obstruction relief, use of an Automated External Defibrillator (AED) are included. The first aid, CPR, and AED section covers the critical skills needed to respond to and manage a first aid, choking or sudden cardiac arrest. Students learn how to treat bleeding, sprains, broken bones, shock, and other first aid emergencies. Community Emergency Response Team (CERT) training. Provides the basic skills necessary to respond to a community's immediate needs in the aftermath of a disaster when emergency services are not immediately available. Successful completion of the course leads to an American Heart Association's Emergency First Aid Heartsaver® card and an American Heart Association Basic Life Support Provider card, both valid for two years. Prerequisite: WR90 or WR91 or designated placement score.

## HE253 (3 credits) Wilderness First Aid

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 with successful completion of the course (in effect for two years). Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores, and physical abilities to allow hiking and lifting equipment. Previous basic first aid knowledge and CPR are 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. Physical Contact Note: Due to the nature of this course, students are advised that physical contact between instructor-to-student or student-to-student is required (example: taping of an ankle). If you do not think you will be able to participate to the extent required by the course, students are encouraged to consider an alternative course substitution. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90). Recommended prerequisite: BI121.

## HE261 (1 credit)

**CPR/Basic Life Support Provider** Offers a basic life support plan for emergency care of cardiac victims until EMS takes responsibility for the victim. Designed to help students recognize the signs and symptoms of a heart attack and cardiac arrest that pose a threat to life. Includes scene safety assessment, in-depth coverage of the signs and symptoms of cardiac arrest and heart attack, how an Automated External Defibrillator (AED) functions, blood borne pathogens, the Good Sam Law and chain of survival. Using techniques that emphasize the importance of compressions, airway management, and assisted breathing techniques (CABs), students are taught assessment skills to evaluate one- and two-rescuer strategies on adults, children and infants (excluding newborns), airway obstruction relief, and how to appropriately use an AED. Manikins are used in all intensive skill areas with ample time to practice and learn lifesaving skills. The course is intended to introduce and enhance existing skills and concepts and leave students with a firm understanding of both their limitations as first responders and their ability to provide basic lifesaving care. Repeatable every two years, with a limit of two occurrences. The course is taught at the provider level through the American Heart Association and results in a CPR, Basic Life Support Provider card upon successful completion.

#### HE280 (variable credits) Cooperative Work Experience / Health Science

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

# HPE - HEALTH AND PHYSICAL EDUCATION

#### Lower Division Collegiate

## HPE295 (3 credits) Health and Fitness for Life

Prepares students with the foundation needed to be successful Health/PE majors and successful in other majors as well. Dominant topics include disease projections, essential nutrients, behavior modification, body composition, strength and endurance training, cardio-respiratory health, flexibility, the mechanics of stress and stress relief, and relationship building. Students assess: lifestyles, wellness, fitness, nutrition, and risk for illness / disease as part of the course. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90), or designated placement scores.

## HS - 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 a required class for any Human Services degree or certificate and is a prerequisite to practicum placement. Prerequisite: Acceptance into a 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: Acceptance into a Human Services program.

#### HS144 (1 credit) Introduction to Assertiveness

Examines assertiveness and its relationship to personality development. Focuses on responsible assertive behavior in everyday life; emphasizing communication which respects self and others. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90), or designated placement scores.

#### HS152 (1 credit) Stress Management

Provides an experiential learning experience geared to developing an understanding of 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. This course is based on 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.

#### 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. This 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. Surveys promising practices in the healthcare field, the effects of working with trauma survivors on service providers and the unintended re-traumatization 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: WR115 or designated placement score, and PSY201. Recommended prerequisite: PSY202.

## 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 develop information and contacts for community agencies. Prerequisite: Acceptance into a 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 utilized for additional practice and integration. Prerequisite: HS100 and acceptance into a Human Services program.

## HS199 (variable credits) Human Services: Selected Topics

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 into a Human Services Program.

#### HS200 (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. Formerly offered as HDFS260. Prerequisite: WR115 or designated placement score.

#### 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 program, and an elective for transfer students in human services. Prerequisites: HS155 and PSY201.

#### HS202 (3 credits) Counseling the Chemically Dependent Client

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 SOC243 or CJ243.

#### HS210 (3 credits) Motivational Interviewing

Designed as the second in a two-course sequence (See HS155) designed to introduce students to intentional interviewing and 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.

#### 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; and working with a co-leader and counselor. Prerequisites: HS155, HS202 and HS210.

#### HS261A (1 credit), HS261B (2 credits) HS261C (3 credits), HS261D (4 credits) HS261E (5 credits), HS261F (6 credits) HS261G (7 credits) Human Services Practicum and Seminar

Provides on-site clinical and community experience with human service organizations plus weekly seminars. Students are expected to arrange for a field placement with an approved agency prior to the start of class. Seminars are designed to provide supervision and help students integrate field, classroom experiences and interviewing skills. Prerequisites: HS100 and HS170.

#### HS265 (3 credits) Counseling Theories

An introductory course covering the theoretical concepts and practical applications of counseling intervention strategies for the beginning helping professional. Specific topics: 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. The current course 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 selfdetermination 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

Designed to provide entry level scope and depth of information relative to those human services helpers who are working with clients with a dual diagnosis, to specifically mean clients with both a mental health and an addictions diagnosis. Historical assessment and treatment processes as well as current, state of the art models and systems will be studied. Relevant terminology from both the mental health and addictions arenas will be examined. Professional preparation, systems proficiencies and barriers will be evaluated. Primary field data for mental health and addictions will be surveyed for dual diagnosis context. Pharmacotherapy of the dual diagnosed client will be reviewed. Special assessment, diagnosis, and treatment issues will be examined, as well as family and community system variables. Specific dyads of mental health diagnoses with addictions diagnoses will be studied for case dynamics and special, individual considerations. Networking, team application, and multiagency collaboration will be studied. Lastly, participants will examine personal perspectives, beliefs, concerns, anxieties, and attitudes about mental health and addictions concepts and dual diagnosis clients. Prerequisites: HS155, HS202 and HS210.

#### HS299 (variable credits) Human Services: Selected Topics

Presents special topics in human services including, but not limited to, trauma, drug and alcohol abuse, client record management, and client contact. Prerequisites: May vary depending upon specific offering.

## HST - HISTORY

## Lower Division Collegiate

#### HST104 (4 credits) World Civilizations: Prehistory -Middle Ages

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. Covers pre-history to the Middle Ages. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement score.

### HST105 (4 credits) World Civilizations: Byzantium -Present

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. Covers the Byzantium to the present. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement score.

## HST199 (variable credits) Special Studies: History

Presents special topics of study in history through workshop, seminar, and independent study formats. Prerequisites: Permission of Instructor. Additional prerequisites may vary depending on subject offerings.

## HST201 (4 credits) U.S. History through Reconstruction

Surveys American history from early Indigenous societies through Reconstruction after the Civil War. Presents a detailed coverage of influences – political, social, ethnic, racial, colonial, religious, cultural, technical, and geographical – that have affected the history of the United States. Prerequisite: WR115 or BT113 or designated placement score.

#### HST202 (4 credits) U.S. History: Post-Reconstruction to Present

Surveys American history from the Progressive Era to the present. Presents a detailed coverage of influences – political, social, ethnic, racial, colonial, religious, cultural, technical, and geographical – that have affected the history of the United States. Prerequisite: WR115 or BT113 or designated placement score.

#### HST259 (4 credits) The Chicano/Latino Historical Experience

Examines the diversity that resides within the Chicano, Mexicano, Latino, Hispanic and Caribbean cultural experience in the Americas, beginning from pre-Columbian times to the present. Covers pre-Columbian heritage, Spanish colonization, American conquest in the Mexican-American War and the Spanish American War, the Mexicans' role in American labor, 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. Dual numbered as SOC235. Prerequisite: BT113 or WR115 or designated placement score.

#### HST280 (variable credits) Cooperative Work Experience / History

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

## HUM - HUMANITIES

Lower Division Collegiate

#### HUM101 (4 credits) Introduction to Humanities: Classical to Medieval

Provides a survey of important achievements in a variety of disciplines as they emerged during the classical periods and the medieval era, in Europe and beyond: visual arts, architecture, literature, philosophy, religions, music, theater and criticism. This course covers the period from the first civilizations to the Middle Ages and is designed to help students trace the origin of the nature of human thought and creativity as they emerged and manifested themselves in the pre-industrial era. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or designated placement score.

#### HUM102 (4 credits) Introduction to Humanities: Renaissance to Enlightenment

Provides a survey of important achievements in a variety of disciplines as they emerged during the Renaissance and the Age of Global Encounters: visual arts, architecture, literature, philosophy, religions, music, theater and criticism. Covers the period from the Proto-Renaissance to the Age of Reason and is designed to help students trace the origin of the nature of human thought and creativity as they emerged and manifested themselves in the preindustrial era. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or designated placement score.

#### HUM103 (4 credits) Introduction to Humanities: Romanticism to 20th Century

Provides a survey of important achievements in a variety of disciplines as they emerged during the periods of Romanticism and Realism and shaped the world of the twentieth century: visual arts, architecture, literature, music, philosophy, religions, theater and criticism. Covers the period from Romanticism to the present, and is designed to help students trace the nature of human thought and creativity, prepare them for further study and appreciation of the arts, and encourage them to look to the humanities for insights necessary to themselves and society. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or designated placement score.

#### HUM199 (variable credits) Special Studies: Humanities

The course is offered in a number of formats: workshop, seminar, or independent study. Prerequisite: Varies by course.

#### 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. Prerequisite: WR115 or designated placement score.

#### HUM216 (4 credits) Native American Arts and Cultures: First Nations of 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. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

#### HUM280 (variable credits) Cooperative Work Experience / Humanities

Cooperative work experience is an educational program that enables students to receive academic credit for onthe-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: Cooperative education is open to all students who have completed at least one-half of the required classes for their program of study, and have the recommendation of the department cooperative education advisor.

## **IS - INTERNATIONAL STUDIES**

#### Lower Division Collegiate

## IS110 (4 credits)

Introduction to International Studies Explores various 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. Prerequisite: WR115, or designated placement score.

## LIB - LIBRARY SCIENCE

Lower Division Collegiate

## LIB127 (1 credit)

## Introduction to Academic Research

Covers information literacy skills and concepts related to academic research and writing. Topics include task definition and identifying options; selecting sources and refining the search process; and using information ethically. Students will also be introduced to a variety of public and subscription services. Given the online nature of this course, research resources and communication with the instructor will take place through the Internet. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

#### LIB127HP (1 credit) Introduction to Academic Research – Health Professions and Public Safety

Students will learn information literacy skills and concepts related to academic research and writing. Topics include task definition and identifying options; selecting sources and refining the search process; and using information ethically. Students will also be introduced to a variety of public and subscription services. Given the online nature of this course, research resources and communication with the instructor will take place through the Internet.

## LIB199 (variable credits) Special Studies: Library

Offers content focused on information literacy, library science, or other areas related to library instruction. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

## MEC - MECHATRONICS

## **Career and Technical Courses**

#### MEC102 (3 credits) Mechanical Fabrication

Introduces learners to the basic knowledge needed for assembly and the proper and safe application of hand tools. Coursework builds knowledge in the many types of bolts, wrenches, and other fittings commonly used in industry and how to properly apply them, including pneumatic fabrication fittings. Focuses on proper techniques for checking connections and testing fittings with an emphasis on safety. Proper tool use helps in many ways, including injury avoidance, fewer product quality issues, and lower tool breakage costs. Prerequisites: MTH20, RD90 or WR91 or designated placement score(s). Corequisite: CIS120 or documented proficiency.

#### MEC103 (1 credit) Industrial Safety

Covers the importance of workplace safety, OSHA regulations, and practicing safety in the workplace. Learners will study topics like the importance of safety policies, common causes of workplace injuries and accidents, and OSHA regulations for general workplace safety, personal protective equipment, tools, and machines. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

## MEC110 (3 credits) AC/DC Electrical Systems for Manufacturing

Introduces the fundamentals of AC/DC electrical systems used for power and control in the manufacturing industry as well as commercial, agricultural and residential applications. Students learn industry-relevant skills included in subject areas such as basic electrical circuits, electrical measurement, circuit analysis, inductance and capacitance, combination circuits, and transformers. Topics covered in subject areas will include but not be limited to: safety, electrical components and wiring, electronic test instruments, tools and fasteners, electrical units and nomenclature, and parallel / series-parallel circuits. Dual listed as MFG210. Prerequisites: MTH60 or MTH63 or higher-level math. Recommended prerequisite: EET101 or EET104.

## MEC114 (3 credits) Safety for Industry

Covers general shop safety for manufacturing environments and the awareness of hazards. Safety topics covered include SDS sheets, personal protective equipment, lockout tagout procedures, and material handling, among others. Prerequisites: MTH20 and WR90 or WR91 or designated placement score(s).

#### MEC115 (3 credits) Electrical Control Systems and Sensors for Manufacturing

Introduces the functions of relay logic control circuits used in industrial, commercial and residential applications. Describes functions and application of functions covered in control logic including logic elements such as AND, OR, NOT, NOR, and NAND. Ladder diagrams are explained and learners connect, operate, and design a ladder diagram using one or more logic elements. Additional concepts include electro-pneumatic solenoid valves; sequencing control including relay operation, relay application, limit switch operation and application; and timers and advanced systems including time-delay relays, multiple cylinder control, and machine modes of operation. Course teaches the operation of non-contact sensors and their applications in industry, such as sensing movement, detecting metal versus non-metal, and determining speed. Covers sensors such as inductive, capacitive, magnetic reed, hall-effect and photoelectric. Dual numbered with MFG215. Prerequisites: MTH60 or MTH63 or designated placement score, or higher-level math. Recommended prerequisite: EET101 or EET104.

## MEC116 (3 credits)

Quality Practices and Measurement

Examines the employee's role in producing a quality product including the benefits of quality and the costs of quality, and problem-solving tools for continuous improvement. Prerequisites: MTH20, and WR90 or WR91 or designated placement scores.

#### MEC118 (3 credits) Manufacturing Processes and Production

Investigates how to improve quality, eliminate waste, reduce lead-time and inventory, develop productive customer and supplier relationships, cycle time, Kanban, demand-pull, and order push techniques to reduce inventory in the supply chain. Prerequisite: MEC116.

## MEC120 (4 credits) Maintenance Awareness

Covers basic mechanical skills needed by a technician, including the use and care of hand tools and small power tools, drilling, tapping, removal of broken bolts, studs, and helicoil insertion. Basic measuring tools and techniques are covered, as well as type and use of fasteners, lubricants and adhesives used in repair, and assembly. Prerequisites: MTH20, WR90 or WR91 or designated placement score(s) and MEC110, MEC116, MEC118.

## MEC124 (3 credits) Hoisting and Rigging I

Teaches how to safely move loads of different shapes and sizes using a variety of methods. Rigging skills are required in many industries including manufacturing, construction, and transportation. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90), and MTH63 or designated placement score(s), and MEC102.

## MEC125 (3 credits) Pneumatics I

Prepares learners to work intelligently in industry with pneumatic applications. Introduces pneumatic power and takes learners through key topics and skills in pneumatic power and safety, pneumatic circuits, pneumatic schematics, the principles of pneumatic pressure and flow, and pneumatic speed control circuits. Covers pressure regulation, air filtration, how to connect pneumatic circuits, pneumatic cylinders, valves, and actuators, a wide array of pneumatic leverage, pressure and cylinder force, pneumatic leverage, pressure and volume, and air flow resistance. Prerequisites: CIS120 or documented proficiency, MTH63 or designated placement score, RD90 and WR90) or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores, and MEC102. Recommended prerequisite: MFG116.

## MEC130 (3 credits) Hydraulics I

Introduces hydraulic power use and application, allowing learners to develop skills and knowledge needed to apply hydraulics in modern industry. Takes learners through key topics and skills in hydraulic power and safety, hydraulic circuits, hydraulic schematics, the principles of hydraulic pressure and flow, and hydraulic speed control circuits. Includes pumps, fluid friction, how to connect hydraulic circuits, hydraulic cylinders and valves (including needle valves), and a wide array of hydraulic applications. Recommended prerequisite: MFG116.

## MEC135 (4 credits) Mechanical Drives I

Introduces mechanical systems and develops fundamental knowledge of mechanical systems and practices. Covers basic safety, installation, key fasteners, power transmission systems, v-belt drives, chain drives, spur gear drives, and multiple shaft drives. Topics covered include learning how to select, install, adjust, troubleshoot, and repair a range of mechanical systems which are commonly found in both automated and manual machines used in every industry around the world. Recommended prerequisite: MFG116.

## MEC140 (2 credits) Green Production

Covers the basic mechanical skills needed by a technician, including use and care of hand tools and small power tools, drilling, tapping, removal of broken bolts, studs, and helicoil insertion. Basic measuring tools and techniques are covered, as well as type and use of fasteners, lubricants and adhesives used in repair, and assembly. Prerequisite: MEC120.

## MEC149 (4 credits) Electrical Motor Control

Introduces the fundamentals of electric relay control of AC electric motors found in industrial and commercial manufacturing applications. Students will gain an understanding of the operation, installation, design, and control of AC electric motor control circuits, transformers, ladder logic controls, and control relays for many common applications. Students will also develop skills in interpreting schematics, system design, motor start/ stop circuits, and motor sequence control. In addition, students will be introduced to systems troubleshooting, reversing motor controls, automatic input devices and basic timer controls. Students will continue to develop skills in interpreting schematics, system design, motor start/stop circuits, and motor sequence control. Safety is emphasized throughout, highlighting motor safety, lockout/ tagout and safety interlocks. Prerequisite: MTH60 or MTH63 or designated placement score or higher-level math. Recommended prerequisite: MEC110 or MFG210.

## MEC150 (3 credits) PLC Motor Control

Covers programmable logic controllers (PLCs) in programming and control of AC electric motors found in industrial, commercial, and residential applications. Hands-on training using the Amatrol Motor Control System 85-MT5 allows learners to gain understanding of the operation, installation, design, and troubleshooting of AC electric motor control circuits and many common applications. Students develop skills in interpreting schematics, ladder logic diagrams, system design, motor start/stop circuits, motor sequence control, reversing motor control and motor jogging. Safety is emphasized throughout, highlighting motor safety, lockout/tagout and safety interlocks. Prerequisites: EET104 or MEC110 or Instructor permission.

## MEC151 (3 credits) Programming PLCs I

Programming PLC's I is the first of a two course series in which students learn PLC (Programmable Logic Controller) programming, operation, and applications used in industry. Covers a wide variety of program commands, ranging from timers and contacts, stepper motor control, and PWM control that will quickly develop relevant and critical skills to be job ready in modern industry environments. Prerequisite: MEC150 or Instructor permission.

## MEC154 (3 credits) Computer Control

Begins by introducing programmable controller (PLC) topics including PLC orientation, operation, and programming languages, and then moves on to more advanced topics such as basic PLC programming, PLC motor control, and event sequencing. Specifically, learners will study topics including: the function of seven types of processor files; how input instructions can be controlled by output instructions; and the operation of a basic multiple actuator sequence program. Prerequisite: MEC110. Recommended prerequisite: MEC149.

#### MEC199 (variable credits) Mechatronics: Special Studies

Provides study for students in technical programs to areas linked to industry. State-of-the-art equipment is used

for industry standard-level instruction. Prerequisites: MTH20, RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score(s), or Instructor permission.

#### MEC210 (2 credits) Variable Frequency AC Drives

Teaches variable frequency AC solid-state control of 3-phase electric motors. Learners develop knowledge in the operation, installation, performance analysis, troubleshooting, and design of AC solid state control using 2-wire, 3-wire, manual, and open-loop speed control. Highlights motor jogging and dynamic braking as well as programmable acceleration and deceleration. Prerequisite: MEC149.

### MEC226 (2 credits) Pneumatics II

Builds on the basic pneumatics skills to teach intermediate pneumatic components and system applications. Learners will gain industry-relevant skills related to these new topics including operation, installation, performance analysis, maintenance, and design. These topics include cam-operated valves, cylinder sequencing with cam valves, cylinder deceleration circuits, pilot-operated DCVs, shuttle valves, air logic components, air logic design, air filters, filter selection, filter maintenance, water removal techniques, air dryers, after-coolers, water traps, air lubricators, and component maintenance. Prerequisite: MEC125.

## MEC227 (2 credits) Pneumatics III

Along with advanced pneumatic principles students will also learn about pneumatic cylinder loads, cylinder applications, quick exhaust valves, motor loads, air bearings, component sizing, air compressor types, air compressor operation, flow measurement, compressor performance, and pneumatic component maintenance. Prerequisite: MEC226.

## MEC228 (3 credits) Pneumatic Troubleshooting

Covers major topics like troubleshooting air preparation, actuators, valves, vacuum systems, and pneumatic systems. Specifically, learners will study objectives such as pressure test points; symptoms and causes of regulator failure; inspection and troubleshooting a vacuum cup; and troubleshooting zero pressure. Prerequisite: MEC226.

## MEC231 (4 credits) Hydraulics II

Builds on basic hydraulic skills teaching hydraulic components and system applications. Students will learn industry-relevant skills related to new topics including operation, installation, performance analysis and design. These topics include accumulator sizing, system design, circuit applications, component operation/installation, pilot-operated directional control valves (DCVs), twostage directional control valves, cam-operated directional control valves (DCVs), DCV spool center types and applications, cylinder types and mountings, pressurecompensated flow control valves, pilot-operated check valves, direct-operated relief valves, non-compensated flow control valves, rapid traverse slow feed circuits, cylinder sequencing, remote pressure control, pump unloading circuits, and p-port check valves. Prerequisite: MEC130.

## MEC232 (2 credits) Hydraulics III

Adds to the basic and intermediate hydraulic skills teaching advanced applications. Students will learn industryrelevant skills related to these new topics including operation, installation, performance analysis, maintenance, and design. These topics include heat exchangers, reservoirs, fluid conductors, fluid conditioning, filtration, motor performance, pump performance, system design, and maintenance. Prerequisite: MEC231.

#### MEC233 (4 credits) Hydraulic Troubleshooting

Teaches hydraulic troubleshooting by providing a handson learning station that models a real world hydraulicallypowered machine and includes over 40 faults that can be inserted into the system. Prerequisite: MEC231.

## MEC236 (4 credits) Mechanical Drives II

Covers heavy duty V-belt drives including conventional, multiple, wedge, and variable speed V-belt drives. This course describes V-belt selection and maintenance by covering V-belt size specification, component identification, and troubleshooting. Learners will develop fundamental knowledge of synchronous belt drives, lubrication concepts, precision shaft alignment, and coupling. Also covered is heavy duty chain drives which describes silent chain drives, multiple strand systems, chain selection, chain lubrication, chain maintenance and troubleshooting. Prerequisite: MEC135.

## MEC238 (4 credits) Mechanical Drives III

Includes the lubrication, selection, maintenance and troubleshooting of plain ball bearings. Introduces antifriction bearings by describing the two types and teaching the fundamental skills of how to identify, mechanically install, thermally install and troubleshoot those bearings. Also covered is gasket and seals such as O-ring seal, lip seal and mechanical seal, and advanced gear drives such as helical gear drives, right angle gear drives, speed reducers, and gear drive selection and maintenance. Prerequisite: MEC236.

## MEC240 (3 credits)

**Robotics and Computer Programming** Provides an overview of robotic and automated systems technology. Students will be introduced to basic manufacturing techniques, robot terminology, differing types of automation, safety, basic robotic programming, interfacing robotic communications, automated work cells, and robotic applications. Robot operations and programming fundamentals will be applied by the students. Safety is emphasized throughout, highlighting operator and robot safety, lockout/tagout and safety interlocks. Prerequisites: CIS120, and MTH60 or MTH63 or designated placement score higher-level math and WR90 or WR91 or designated placement score.

## MEC251 (3 credits) Programming PLCs II

Programming PLC's II is the second of a two-course series in which students learn PLC (Programmable Logic Controller) programming, operation, and applications used in industry. This course continues with programming commands, ranging from timers and contacts, stepper motor control, and PWM control that will quickly develop relevant and critical skills to be job ready in modern industry environments. Students will also be introduced to application circuits and components for thermostatic temperature control, analog temperature control, reversing constant-speed motor control, variable speed motor control with feedback, and stepper motor homing and commissioning. These circuits include basic and advanced applications starting with discrete I/O projects and extending to projects involving analog I/O. These projects enhance a student's experience because they can actually see how a program controls real systems. Prerequisite: MEC150 or Instructor permission.

## MEC254 (3 credits) PLC Troubleshooting

Covers PLC (Programmable Logic Controller) programming, operation, and applications used in industry, as well as PLC troubleshooting skills, such as PLC input and output testing, software testing, and application troubleshooting. This course covers a wide variety of program commands, ranging from timers and contacts, stepper motor control, and PWM control that will quickly develop relevant and critical skills to be job ready in modern industry environments. Prerequisite: MEC251.

#### MEC260A (2 to 6 credits) Mechatronics: Automation Operations

Covers basics such as automation operations and basic components and build, to more advanced topics like pick and place feeding, gauging, and indexing. In addition, learners will look at sequencing controls systems, discrete logic, operator safety and automated machine operations. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260B (2 to 6 credits) Mechatronics: Basic Component Adjustments

Covers basics such as automation operations and basic components and build to more advanced topics like pick and place feeding, gauging, and indexing. Also: manually overriding an electro-pneumatic valve and a magnetic motor starter. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

## MEC260C (2 to 6 credits) Mechatronics: Pick and Place Feeding

Teaches interfacing, problem solving, programming, sequencing and operation for pneumatic robots, material feeding systems, powered parts feeders, vacuum grippers, hall-effect sensors, and magnetic sensors. This station starts the process of assembling a working industrial directional control valve. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

## MEC260D (2 to 6 credits) Mechatronics: Gauging

Teaches interfacing, problem solving, programming, sequencing and operation for go/ no-go gauging, analog sensor adjustment, non-servo electric traverse axis, synchronous belt drive, ball screw drives and part rejection/transfer. The learner performs a number of quality inspections in the process of assembling a working industrial directional control valve. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

## MEC260E (2 to 6 credits) Mechatronics: Indexing

Many high-speed machine processes use a rotary indexing machine to rotate the work pieces to various positions,

where a different operation can be performed on each work piece and multiple work pieces can be processed at the same time. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260F (2 to 6 credits) Mechatronics: Sorting and Queuing

The Sorting-Queuing training station teaches interfacing, problem solving, programming, sequencing and operation for sorting, queuing, flat belt conveyors, photoelectric sensors, and inductive sensors. This station performs the role of sorting parts by material type in the process of assembling a working industrial control valve. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260G (2 to 6 credits) Mechatronics: Servo Robotic Assembly

The Servo Robotic Assembly station trains students for pick and place assembly, and teaches interfacing, problem solving, programming, sequencing and operation for servo robotics, gravity feeders, pneumatic screw feeders, and part insertion. This station performs the role of assembling a working industrial directional control valve using a combination of servo robotic and pick and place technologies. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260H (2 to 6 credits) Mechatronics: Torquing

Mechatronics-Torqueing teaches interfacing, problem solving, programming, sequencing and operation for an automated torque assembly system, electric traverse slide, DC motor torque, variable speed motors and clutches. Covers assuring that the assembly components are properly tightened in the process of assembling a working industrial directional control valve. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260I (2 to 6 credits) Mechatronics: Parts Storage

This Mechatronics Learning System allows learners to gain valuable skills used in inventory storage processes by studying operation, adjustment, and programming of an inventory storage system. This learning system will allow learners to practice and study operating a programmable parts storage station, adjusting a phototransistor optical interrupter switch, and designing a PLC program that provides manual/auto/ reset functions for a programmable parts storage station. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260J (2 to 6 credits) Mechatronics: Electro-Hydraulic Testing

Mechatronics Electro-Hydraulic Training allows learners to gain valuable product testing skills used in automated processes by studying topics like station operation and adjustment, module sequencing, and station sequencing. This learning system will allow learners to practice and study how products are tested on an automated line, how these skills are integrated within a larger automated process, and an example of how hydraulics are utilized on an automated line. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

#### MEC260K (2 to 6 credits) **Mechatronics: Multiple Station** Control

This course will cover automation operations and basic components, and build to more advanced topics like pick and place feeding, gauging, and indexing. Also: Discrete I/O Handshake, system startup/halt and system stop/ reset. Prerequisites: MEC228, MEC233, MEC238, MEC240, and MEC254, or Instructor permission.

## MET - 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: RD90 or WR91, or designated placement score.

## 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. Prerequisites: MTH63 or MTH60 and RD90 or WR91 or designated placement scores.

#### 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. Prerequisites: MTH20 and RD90 or WR91. Recommended prerequisite: MTH63.

#### 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: CIS120 or documented proficiency. Recommended Corequisites: MET101 and MET105.

#### MET112 (3 credits) Computer Aided Drafting II: Mechanical (Autodesk Inventor)

This course provides the foundation for a hand on course that covers basic and advanced Autodesk Inventor features used to create, edit, document, and print parts and assemblies. Learners will be able to assemble advanced models through real world exercises moving the student toward an industry recognized certificate in 3d CAD design. Prerequisite: MET111.

## MET113 (3 credits) **Computer Aided Drafting III:** Mechanical (Autodesk Inventor)

Prepares students for the Autodesk Inventor Certified User Exam. Course is designed for users who are already familiar with Inventor. It provides a series of hands on exercises and tutorial in the use of Inventor to help you prepare for the Autodesk Inventor Certified Users Exam. The text covers all the exam objectives. Each topic is covered in detail, and then is followed up with tutorials and quizzes to reinforce the material covered. Prerequisites: MET111 and MET112.

#### MET121 (3 credits) **Computer Aided Drafting I:** Mechanical (SolidWorks)

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. Prerequisite: CIS120 or documented proficiency. Recommended Corequisites: MET101 and MET105.

### MET122 (3 credits) **Computer Aided Drafting II:** Mechanical (SolidWorks)

Second in 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. Prerequisite: MET121.

#### MET123 (3 credits) **Computer Aided Drafting III:** Mechanical (SolidWorks)

As 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; and the 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 the opportunity to take the SolidWorks CSWA (Certified SolidWorks Associate) exam at the end of the term. Prerequisite: MET122.

#### MET160 (3 credits) Materials and Metallurgy

Studies basic metallurgy as it relates to manufacturing processes. 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. Prerequisites: MTH20 and RD90 or WR91 or designated placement score(s). Recommended prerequisite: MFG101.

#### MET165 (3 credits) Materials Engineering and Metallurgy

Introduces students to the characteristics of materials that are important in design, and the role of quality control in working with materials. Topics include: material quality control, tensile strength analysis, data acquisition systems, materials design, compression testing and analysis, shear and hardness testing and analysis, and design evaluation. Course also covers the principles of non-ferrous and ferrous metals, and introduces the properties, elements, and types of nonferrous and ferrous materials commonly employed in metal manufacturing. Lessons cover the basics of the non-ferrous and ferrous material manufacturing process, the elements used to create these materials, the main types of non-ferrous and ferrous materials and their properties, and the common tests used to measure metal properties. Prerequisites: CIS120 or documented proficiency, and MTH20 and RD90 or WR91, or designated placement test score(s).

## **MFG - MANUFACTURING**

Career and Technical Courses

## MFG101 (3 credits) Introduction to Manufacturing

Designed to develop an understanding of various manufacturing processes, materials, and possible career opportunities in manufacturing-related disciplines. Course includes an orientation to the use of personal computers in manufacturing and various industry standard software programs. Introduces students to problem solving and laboratory procedures, a survey of common manufacturing processes, including a history of manufacturing technology, economic considerations associated with manufacturing, and the influence of product design on process selection, on manufacturing taxonomy, surface finish, tolerances, and functional specifications. Prerequisites: MTH20 and RD90 or WR91or designated placement score(s).

#### MFG116 (2 credits) Metrology

Covers basic measurement, precision measurement, direct gauging, indirect gauging, and dimensional measurements using both the U.S. customary system and the SI metric system. Course content covers the study of quality assurance through measurements taken by mechanical, electronic and optical methods as related to industrial dimensional conformance requirements. Prerequisites: CIS120 or equivalent, and RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90), or designated placement score(s).

## MFG121 (4 credits) Manufacturing Processes I

As the first of a three-term series, this course is designed to develop both an understanding of manufacturing concerns and limitations of industry and 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. Corequisites: MTH60 or MTH63, and MFG116.

## MFG122 (4 credits) Manufacturing Processes II

As the second in a three-term series, this course is

designed to continue the development of both an understanding of manufacturing concerns and limitations of industry and the hands-on skills needed for machining jobs in manufacturing. Course continues and expands basic manufacturing skills and machine tooling practices. Emphasis on 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 Instructor permission.

## MFG123 (4 credits) Manufacturing Processes III

As the third in a three-term series designed to continue the development of both an understanding of manufacturing concerns and limitations of industry, as well as developing hands-on skills needed for machining jobs in manufacturing, this course continues and expands basic manufacturing skills and machine tooling practices. This class re-emphasizes safety, bench work, lathe work, vertical mill operations, precision grinding, tool room operations, and production work through completion of a project in a prototype production run using the multiple manufacturing processes. Students will work to build, document, and evaluate all phases of a prototype production run. Prerequisite: MFG122 or Instructor permission.

## MFG140 (2 credits) CNC Controls

Designed to develop an understanding of the Haas VF-1 CNC Control. Basic functions and operating modes of the Haas control are covered. Prerequisites: MTH20, and RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Recommended prerequisites: MTH63 or MTH60, and MFG121.

## MFG199 (variable credits) Special Studies: Manufacturing

Provides specialized study for students in technical programs to areas linked to industry. State-of-the-art equipment is used for industry standard-level instruction. Prerequisites: MTH20 and RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score(s).

#### MFG210 (3 credits) AC/DC Electrical Systems for Manufacturing

Introduces the fundamentals of AC/DC electrical systems used for power and control in the manufacturing industry as well as commercial, agricultural and residential applications. Students learn industry-relevant skills included in subject areas such as basic electrical circuits, electrical measurement, circuit analysis, inductance and capacitance, combination circuits, and transformers. Topics covered in subject areas will include but not be limited to: safety, electrical components and wiring, electronic test instruments, tools and fasteners, electrical units and nomenclature, and parallel/series-parallel circuits. Dual numbered as MEC110. Prerequisites: MTH60 or MTH63 or designated placement score. Recommended prerequisite: EET101 and EET104.

#### MFG215 (3 credits) Electrical Control Systems and Sensors for Manufacturing

Introduces the functions of relay logic control circuits used in industrial, commercial and residential applications. Describes functions and application of functions covered in control logic including logic elements such as AND, OR, NOT, NOR, and NAND. Ladder diagrams are explained and learners connect, operate, and design a ladder diagram using one or more logic elements. Additional concepts include electro-pneumatic solenoid valves; sequencing control including relay operation, relay application, limit switch operation and application; and timers and advanced systems including time-delay relays, multiple cylinder control, and machine modes of operation. Course teaches the operation of non-contact sensors and their applications in industry, such as sensing movement, detecting metal versus non-metal, and determining speed. The course covers sensors including inductive, capacitive, magnetic reed, hall-effect and photoelectric. Dual numbered as MEC115. Prerequisite: MTH60 or MTH63 or designated placement score. Recommended prerequisite: EET101 or EET104.

#### 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 the program or Instructor permission. Corequisite: WR121 or designated placement score.

## MFG230 (3 credits) Statistics and Quality Control

Introduces ISO 9000 concepts of basic gauging, inspection, elementary statistics, and statistical process control (SPC). Corequisites: MET104 or MTH112 or higherlevel math.

#### MFG241 (4 credits) Computer Numerical Control Programming - Mill (HAAS)

Covering basic Computer Numerical Control (CNC) programming of the Haas vertical mill as well as machine setup and operation, this course emphasizes manual data input programming and manual program editing. Provides training in the operation and part programming of the modern vertical machining center. Students learn safe manufacturing methods by completing a series of assignments using one of two Haas vertical machining centers. Students will gain experience reading, writing and editing part programs using industry standard G and M code programming. Prerequisites: MTH63 or MTH60 or designated placement score, and MFG121, MFG140.

#### MFG242 (4 credits) Computer Aided Manufacturing I: Mastercam 2D

Introducing Mastercam CAD/CAM software to students, with training to design parts and toolpaths for a modern CNC vertical machining center, this course has a primary focus on Haas machines. Covering the creation of twoand three-dimensional wire frame geometry, relevant to PC based CAD/CAM work, the course includes topics such as hardware familiarity, system operation, folders, file types and structure, Mastercam menu structure and system management. Emphasis is on proper geometry creation, manipulation and management of toolpaths, relevant utilities and C-hooks, terminology, and toolbar and menu functions. Safety and efficient machining will be stressed throughout the course. Prerequisite: MFG241 or Instructor permission.

#### MFG243 (4 credits) Computer Aided Manufacturing II: Mastercam 3D

As the second of two courses for Mastercam CAD/CAM software, this course teaches students how to construct advanced 3D geometric models using geometric, free form, and derived surface types. Emphasis is on surface creation and mathematical category, applicability, association, Open-GL, shading and curves, C-hooks, terminology and analyzing. All aspects of roughing and finishing machining cycles are covered with focus on safe and correct application and use of parameters. Prerequisite: MFG242 or Instructor permission.

#### MFG244 (3 credits) Computer Numerical Control Programming – Lathe (Haas)

Covering basic Computer Numerical Control (CNC) programming of the Haas turning center (lathe) as well as machine set-up and operation, this course emphasizes personal and machine safety, manual data input programming, and manual program editing. Students learn safe manufacturing methods by completing a series of assignments using a Haas SL10 turning center. Students will gain experience reading, writing and editing part programs using industry standard G and M code programming. Prerequisites: MFG121, MFG140 and MET104 or MTH112.

## MFG245 (3 credits)

Mastercam 4th Axis Programming Introduces students to the basic fundamentals of learn-

Introduces students to the basic rundamentals of learning how to use Mastercam software to program 4th axis parts for Haas vertical machining centers. Prerequisite: MFG242 or Instructor permission.

#### MFG255 (4 credits) Computer Integrated Manufacturing

A capstone project course that emphasizing the designbuild process as it applies to the production, documentation, and implementation of a prototype production run using multiple manufacturing processes. Students work to design, manufacture, document, and evaluate all phases of a prototype production run for a part of their own design and creation. Prerequisite: MFG220 or Instructor permission.

## MFG262 (3 credits) Lean Manufacturing

Developing an understanding of, including the limitations of, lean manufacturing as it applies to the manufacturing industry and business, this course 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 and MET104 or MTH112 or higher-level math.

#### MFG280 (variable credits) Cooperative Work Experience / Manufacturing

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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 2 terms of their certificate or degree. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

### MFG291 (3 credits) Laser Cutting and Engraving Fundamentals

Teaches students how to safely set up and operate a Trotec laser engraving machine using CorelDraw software as the print driver. A strong emphasis is place on the proper selection of materials that can be safely cut or engraved. Along with required curriculum, the course also includes time for student project work on two dimensional projects as well as three dimensional projects. Course is recommended for anyone interested in laser cutting and engraving for industry applications or artwork. Prerequisites: CIS120 or documented proficiency and MTH63 or higher-level math.

## **MT - MASSAGE THERAPY**

#### **Career and Technical Courses**

## MT100 (2 credits) Massage I - Basic Swedish

Provides instruction in the history, techniques, treatment procedures, structure of the body parts, and practical application of Swedish massage for each area. Students will learn about massage equipment, sanitation, professional hygiene, and client communication including client history, indications, and contraindications for massage. Objectives and benefit of massage will also be covered. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores. Corequisites: BI121 or BI231, and MT100L.

#### MT100L (1 credit) Massage I - Basic Swedish Lab Lab associated with MT100.

#### MT101 (1 credit) Asian Bodywork I

Introduces fundamental methods and the philosophical background of Asian Bodywork: Acupressure and Shiatsu. Prerequisite: Acceptance into the Massage Therapy CPC program. Corequisite: MT101L.

#### MT101L (1 credit) Asian Bodywork I Lab Lab associated with MT101.

#### MT102 (2 credits) Massage II - Swedish

Emphasizes assessment, documentation, the philosophical and psychological aspects of massage, and working with special populations. Prerequisites: BI121 or BI231, and MT100. Corequisite: MT102L.

#### MT102L (1 credit) Massage II - Swedish Lab Lab associated with MT102.

MT103 (1 credit)

## Massage III--Swedish

Prepares students for the written examination for state board licensure and practical demonstration interviews. Reflexology, side lying massage, massage tools, trigger point, deep tissue, and myofascial release techniques will be covered. Prerequisites: BI121 or BI231, and MT102. Corequisite: MT103L.

### MT103L (1 credit) Massage III - Swedish Lab

Lab associated with MT103.

#### MT105 (1 credit) Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients

Covers hydrotherapy modalities and education for massaging the elderly and cancer patients. Prerequisite: MT100. Corequisite: MT105L.

## MT105L (1 credit)

Massage Therapeutics: Hydrotherapy and Massage for Cancer Patients Lab Lab associated with MT105.

#### MT106 (1 credit) Integrated Studies in Massage I (Upper Body)

Provides in-depth study of applications of massage on specific muscle groups, integrating musculoskeletal anatomy, pathology, acupressure, and basic Swedish massage techniques. Students will learn home exercise programs to assist their clientele. Prerequisites: BI121 or BI231, MT100 and MT108. Corequisite: MT106L.

#### MT106L (1 credit) Integrated Studies in Massage I (Upper Body) Lab Lab associated with MT106.

#### MT107 (1 credit) 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. Students will learn home exercise programs to assist their clientele. Prerequisite: MT106. Corequisite: MT107L.

#### MT107L (1 credit) Integrated Studies in Massage II (Lower Body) Lab Lab associated with MT107.

MT108 (3 credits)

## Kinesiology for Massage Therapists

Studies the branch of physiology that relates to the mechanics and anatomy of human movement. Students will learn the joints of the body and their actions, the muscles that create specific actions, muscle attachment sites, how to palpate, shorten, and lengthen the muscles. Prerequisites: RD90 or WR91 or designated placement score. Corequisite BI121 or BI231, and MT108L.

## MT108L (1 credit)

Kinesiology for Massage Therapists Lab associated with MT108.

## MT109 (4 credits)

**Pathology for Massage Therapists** Provides student with the definitions of syndromes, symptoms, prognostics, treatment concepts and contraindications for massage therapists. Prerequisites: BI121 or BI231; RD90 and WR90 (WR91 substitutes for both RD90 and WR90), or designated placement scores. Corequisite: BI122 or BI232 and BI233.

#### MT111 (1 credit) Sport Massage

Provides instruction and understanding of sports-related injuries and ailments. Students learn how to prevent injury, improve performance, relieve sore muscles, speed recovery, and reduce stress. Hands on application will be required to demonstrate sports massage techniques. Prerequisites: MT100 and MT108; BI121 or BI231. Corequisite: MT111L.

## MT111L (1 credit) Sport Massage Lab

Lab associated with MT111.

#### MT112 (1 credit) 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. Corequisite: MT112L

## MT112L (1 credit) Massage for Pregnancy and the Infant/Child Lab

Lab associated with MT112.

#### MT113 (1 credit) 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. Corequisite: MT113L.

## MT113L (1 credit)

Myofascial Release Lab

Lab associated with MT113.

## MT114 (1 credit)

Massage Therapy Study Skills Lab

Provides knowledge and hands-on instruction in the theory and massage techniques of new topics that have evolved. Through instructor observation and guidance, students will gain the appropriate study skills and the awareness of the amount of time and effort required to obtain their academic goals.

#### MT115 (1 credit) 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. Corequisite: MT115L.

## MT115L (1 credit)

**Trigger Point Therapy Lab** Lab associated with MT115.

#### MT116 (2 credits) Massage Exam Review

Prepares students for the Oregon Board of Massage Therapists Licensing Exams by reviewing the entire years' worth of study. Prerequisite: Course is designed for students who have completed the required coursework and will be taking exams to become licensed by the Oregon Board of Massage Therapists.

#### 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. Corequisite: MT117L.

## MT117L (1 credit) Body Maintenance for Massage Therapists Lab

Lab associated with MT117.

#### MT118 (1 credit) 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. Hands on practice will be included. Prerequisites: BI121 or BI231, and MT108. Corequisite: MT118L.

## MT118L (1 credit) Deep Tissue Massage Lab

Lab associated with MT118.

#### MT119 (1 credit)

**Introduction to Craniosacral Therapy** Introduces craniosacral therapy including palpation of the craniosacral rhythm at the listening stations, diaphragms and cranial structures. Students will learn the 10-point protocol of craniosacral therapy. Corequisite: MT101L.

## MT119L (1 credit)

#### Introduction to Craniosacral Therapy Lab

Lab associated with MT119.

## MT120A (1 credit)

## Business for Massage Therapists (Part A)

Focuses on the concept of professionalism, ethics, boundaries, and the legal issues associated with massage/ bodywork therapy. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

#### MT120B (2 credits) Business for Massag

# Business for Massage Therapists (Part B)

Focuses on business practices, marketing, record keeping, and insurance billing for a massage therapy practice. Prerequisite: WR90 or WR91 or designated placement score.

#### MT121 (1 credit) Asian Bodywork II

Students will learn the fundamental methods and philosophical background of Ayurveda and Touch 4 Health. Introduces different styles and techniques of acupressure and energy balancing. Prerequisite: MT101. Corequisite: MT121L.

#### MT121L (1 credit) Asian Bodywork II Lab Lab associated with MT121.

### MT180 (variable credits) Cooperative Work Experience / Massage Therapy

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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, it should be completed within the last two terms of a certificate or degree program. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

#### MT180S (1 credit) Cooperative Work Experience / Massage Seminar

Provides students with strategies for successful experiential learning, including techniques for self-monitoring and tracking progress; sustaining positive relationships with co-workers and supervisors; working with mentors; and basic conflict resolution. Presents information regarding the role played by non-verbal communication, written and unwritten workplace policies, and positive work ethics. Course includes practical instruction regarding the integration of reflective learning with experiential learning and the process of integrating relevant theory and/or outside learning resources with experiential learning. Students will be provided with basic strategies for career advancement, and the theory and practical application of techniques for writing a skills-based resume, effective employment application, and interview skills. Corequisite: MT180.

## MT199 (variable credits)

**Selected Topics: Massage Therapy** Provides knowledge and hands-on instruction in the theory and techniques of new massage topics that have evolved.

## MTH - MATHEMATICS

#### Lower Division Collegiate (except where noted)

## MTH15A (3 credits) Math Fast Track

Offers students the chance to improve math placement more than one level in one term. Designed for students who need to take several math courses before entering a program, who have seen the material before and need to "fill in the gaps." Offered as an emporium style math class which meets six hours per week in a computer lab using computer software that covers material from MTH20 through MTH95 (depending on the math level at which students enter the class and through which they are trying to complete.) Class attendance is mandatory. Students work on online homework and take proctored online tests. Each student will be assigned a new math placement determined by in-person, proctored test score(s) at the end of the course. Course is graded on a pass/no pass basis. Course does not transfer. May not be offered every year. Please check with Department Chair. Prerequisites: Designated placement score into MTH20, MTH60 or MTH65. Students should also be familiar with computers. Corequisite: RD90.

#### 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. A scientific calculator is required. There is a significant online component in this class. Corequisites: RD90 or WR91 or designated placement score.

## MTH60 (4 credits) Fundamentals of Algebra I

Introduces the study and application of the real numbers, operations with real numbers, exponents, order of operations, mathematical modeling, solving linear equations, methods of problem solving, rates, slope, graphs of lines, equations of lines, 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. A scientific calculator is required. There is a significant online component in this class. Prerequisites: MTH20 and RD90 or WR91 or designated placement scores.

## MTH60R (1 credit)

**Fundamentals of Algebra l Recitation** Designed for students currently enrolled in MTH60, this optional course provides additional help with the material presented in MTH60, which introduces the study and application of the real numbers, operations with real numbers, exponents, order of operations, mathematical modeling, solving linear equations, methods of problem solving, rates, slope, graphs of lines, equations of lines, 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. Prerequisite: MTH20 or designated placement 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 P/NP basis. Prerequisites: MTH20 and RD90 or WR91, or designated placement scores.

#### 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. A graphing calculator is required. There is a significant online component in this class. Prerequisites: MTH60 and RD90 or WR91 or designated placement scores.

## MTH65R (1 credit)

**Fundamentals of Algebra II Recitation** Designed for students currently enrolled in MTH65, this optional course provides more help with the material presented in MTH65, including the study and application of exponents, polynomial operations, factoring polynomial expressions, solving polynomial equations, rational expression operations, and solving rational equations. Course is graded on a pass/no pass basis. Course does not transfer. Prerequisite: MTH60 or designated placement score. Corequisite MTH65.

#### MTH95 (4 credits) Intermediate Algebra

Concluding the developmental mathematics sequence, MTH95 includes an introduction to the study and application of quadratic, radical, exponential, and logarithmic expressions and functions. Working with real data and the mathematics of curve fitting will be developed using a graphing calculator. Course is graded A through F. Course does not transfer. Graphing calculator required. There is a significant online component in this class. Prerequisites: MTH65 and RD90 or WR91 or designated placement scores.

#### MTH95R (1 credit) Intermediate Algebra Recitation

Designed for students currently enrolled in MTH95, this optional course provides more help with the material presented in MTH95, including the study and application of quadratic, radical, exponential, and logarithmic expressions and functions. Working with real data and the mathematics of curve fitting will be developed using the graphing calculator. Graded on a pass/no pass basis. Course does not transfer. Prerequisite: MTH65 or designated placement score. Corequisite: MTH95.

## 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 does not transfer. Prerequisites: MTH63 or MTH60, and RD90 or WR91 or designated placement score(s).

#### MTH105 (4 credits) Introduction to Contemporary Mathematics

Designed as a transfer mathematics course for students not majoring in science, mathematics, engineering, and other majors requiring significant amounts of algebra. Topics include logic and reasoning, problem solving, geometry, math of finance, counting theory, probability, and statistics. Course is graded A through F. Prerequisites: MTH95 or MTH96 or designated placement score.

## MTH105R (1 credit) Corequisite Support for MTH105

This support course focuses on the foundational skills and concepts needed to be persistent and successful in MTH105 introduction to contemporary math. In an interactive setting, students will receive appropriate support in quantitative and algebraic reasoning, reading comprehension, logic, geometry, probability, problem solving, technology, and study-skills. Prerequisites: RD90 or WR91 (may be taken concurrently) or designated placement score.

## MTH111 (4 credits) College Algebra

First course in the transfer mathematics sequence for science, mathematics, and engineering students, and for general education math credit. Topics include: polynomial and rational functions, exponential and logarithmic functions, systems of equations and conic sections. Prerequisite: MTH95 or designated placement score.

#### MTH111R (1 credit) College Algebra Recitation

An optional course which can be taken concurrently with MTH111. For students who want more help with the material of MTH111, MTH111R covers a review of MTH95 material, using the graphing calculator, and topics and concepts of particular difficulty presented in the MTH111 class. Prerequisite: MTH95 or designated placement score. Corequisite: MTH111.

## MTH112 (4 credits) Elementary Functions

Second course in the transfer mathematics sequence for science, mathematics, and engineering students, and for general education math credit. Course topics include: radian and degree measures of angles, right triangle and circle trigonometry, identities, graphing and solving trigonometric equations, law of sines and cosines, vectors and parametric equations. Prerequisite: MTH95 or designated placement score.

## MTH112R (1 credit) Elementary Functions Recitation

An optional course taken concurrently with MTH112. For students who want more help with the material of MTH112. Covers a review of MTH95 material, using the graphing calculator, and topics and concepts of particular difficulty presented in the Elementary Functions class. Course is graded on a pass/no pass basis. Prerequisite: MTH95 or designated placement score. Corequisite: MTH112.

## MTH199 (variable credits) Special Studies: Mathematics

Designed as mathematical course of study to investigate beyond traditional curriculum offerings. Topics to be determined based on student interest and ability. Prerequisites: MTH111 and MTH112 or Instructor permission.

#### MTH211 (4 credits) Fundamentals of Elementary Math I

First of a three-term sequence designed to prepare preservice elementary and middle school teachers for entrance into the Oregon teacher's certification program. Course will study topics of problem solving, sets, whole number concepts and operations, elementary number theory, integers, and elementary logic. Prerequisite: MTH95 or MTH96 or designated placement score. Experience with Excel is recommended.

## MTH212 (4 credits) Fundamentals of Elementary Math II

Second of a three-term sequence designed to prepare pre-service elementary and middle school teachers for entrance into the Oregon teacher certification program. Course will study the topics of basic math, algebra, counting theory, probability, and statistics. Prerequisite: MTH211 or designated placement score

## MTH213 (4 credits) Fundamentals of Elementary Math III

Third of a three-term sequence designed to prepare pre-service elementary and middle school teachers for entrance into the Oregon teacher certification program. The course will study the topics of geometric shapes, measurement, triangle congruence and similarity, coordinate geometry, and transformational geometry. Prerequisite: MTH95 or MTH96 or designated placement score.

## MTH243 (4 credits) Probability and Statistics

Covers the nature and presentation of data, measures of central tendency, probability and probability distributions, normal and binomial distributions, estimates, sample sizes, confidence intervals and hypothesis testing. Course is graded A through F. 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. Prerequisite: MTH95 or MTH96 or designated placement score. Corequisite: MTH243R for non-STEM students.

#### MTH243R (1 credit) Corequisite support for MTH243

This support course focuses on the foundational skills and concepts needed to be persistent and successful in MTH243 probability and statistics. In an interactive setting, students will receive appropriate support in quantitative and algebraic reasoning, reading comprehension, statistics notation, problem solving, technology, and study skills. Corequisite: RD90 or WR91 or designated placement score, and MTH243.

### MTH244 (4 credits) Inferential Statistics

Builds on the knowledge of descriptive statistics learned in MTH243 to develop abilities in inferential statistics. Emphasis is on the understanding and application of interval estimating, hypothesis testing, correlation and regression, inferences using Chi-square, and one-way and two-way analysis of variance (ANOVA). Designed to provide students with the analytical skills they will need in upper division business courses including accounting, finance, operations management and applied research. Course also offered as BA282. Prerequisites: MTH243 and BA285 or CIS125SS.

#### MTH251 (5 credits) Calculus I (Differential)

First course in the calculus sequence for science, mathematics, and engineering students. Topics include limits, differentiation, extrema, related rates, optimization problems, and other basic applications of differentiation. Prerequisites: MTH111 and MTH112.

#### MTH252 (5 credits) Calculus II (Integral)

The second course in the traditional calculus sequence for science, mathematics, and engineering students. Topics include integration, integration techniques, applications of integration, and improper integrals. Prerequisite: MTH251.

#### MTH253 (5 credits) Calculus III

The third course in the calculus sequence for science, mathematics, and engineering students. Includes infinite series, conic sections, plane curves, parametric equations, polar coordinates, vectors, and vector-valued functions. There is a significant online component in this class. Prerequisite: MTH252.

## MTH254 (5 credits) Vector Calculus

Fourth in the calculus sequence for science, mathematics, and engineering majors. Includes vector-valued functions, functions of several variables, partial differentiation, multiple integration, and vector analysis. Prerequisite: MTH253.

#### MTH256 (5 credits) Differential Equations

First course in ordinary differential equations for science, mathematics, and engineering students. Includes firstorder 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.

## MTH261 (5 credits) Linear Algebra

First course in linear algebra for science, mathematics, and engineering students. Includes both the theoretical and practical realms of systems of linear equations, matrices, determinants, vector spaces, inner product spaces, eigenvalues and eigenvectors. Course is graded A through F. Prerequisites: MTH251 and MTH252.

## MTH280 (variable credits) 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 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, it should be completed within the last two terms of a certificate or degree program. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

## NONCSUPP

## Non Credit Math Support

Supports students in MTH courses which introduces the study and application of the real numbers, operations with real numbers, exponents, order of operations, mathematical modeling, solving linear equations, methods of problem solving, rates, slope, graphs of lines, equations of lines, and systems of linear equations. Course is graded on a pass/no pass basis. Course does not transfer.

## MUS - MUSIC

#### Lower Division Collegiate

## MUS101 (3 credits) Music Fundamentals

Focuses on reading and writing basic music notation including note names, scales, key signatures, intervals, basic rhythms, meters, and the spelling of triads and seventh chords. Prerequisite: WR115 or designated placement score.

#### MUS105 (3 credits) Music Appreciation

Introduces a wide variety of genres and styles of music including, but not limited to, classical music, jazz, American popular music, American Musical Theater. Through guided listening, students will develop a basic understanding of the style and sound of the musical genre.

## MUS108 (4 credits) Music in World Cultures

Introduces music from various cultures with an international and cross-cultural perspective. Explores both commonalties and differences in how music is defined, valued, and utilized in many cultures around the world. Prerequisite: WR115 or designated placement score.

#### MUS111 (3 credits) Music Theory I

Examines the fundamentals of music theory including pitch and pitch class, simple meter and compound meter, scales including major and minor scales and diatonic modes, intervals, chords, and voice leading. Prerequisite: MUS101 and WR115 (can be taken concurrently) or designated placement score.

## MUS112 (3 credits) Music Theory II

MUS112 continues the examination of music theory including harmonic analysis in a key/tonal context, harmonic progressions, counterpoint, voice leading, part-writing procedures, non-chord tones, and cadences. Prerequisite: MUS111.

## MUS113 (3 credits) Music Theory III

MUS113 continues the examinations of music theory including Chromatic Harmony; Motives, Phrases and Periods; Harmonic Functions; Harmonic Progressions and Circle of Fifths; Secondary Chords and Tonicization; Mode Mixture; and Modulation. Emphasis is on concepts of contextual analysis. Prerequisite: MUS112.

## MUS114 (1 credit) Aural Skills I

This first of a three-term sequence of courses provides instruction and practice in beginning sight-reading, sightsinging, and ear-training. It includes melodic and rhythmic dictation as well as intervallic recognition. It covers the fundamental concepts of rhythm, meter, major and minor tonalities, diatonic and modal scales, triads and seventh chords, and cadences. MUS114/115/116 must be taken in sequence, unless Instructor permission is granted. Prerequisites: WR115 (can be taken concurrently) or designated placement score; and completion of MUS101 or equivalent knowledge. Corequisite: MUS111.

## MUS115 (1 credit) Aural Skills II

This second of a three-term sequence provides instruction and practice in intermediate sight-reading, sight-singing, and ear-training. It includes melodic and rhythmic dictation as well as intervallic recognition. It covers more variety of rhythm, simple and compound meter, major and minor tonalities, diatonic and modal scales, triads and seventh chords, and cadences. This course is designed to be taken with MUS112 concurrently. Prerequisite: MUS114. Corequisite: MUS112.

## MUS116 (1 credit) Aural Skills III

This third of a three-term sequence provides instruction and practice in more advanced sight-reading, sight-singing, and ear-training. It includes more complex melodic and rhythmic dictation as well as wider intervallic recognition. It covers more variety of rhythm, simple and compound meter, major and minor tonalities, diatonic scales and modal scales, triads and seventh chords, and cadences. Non-chord tones and secondary dominant chords will be explored. This course is designed to be taken with MUS113 concurrently. Prerequisite: MUS115. Corequisite: MUS113.

## MUS118 (1 credit) Commercial Music Ensemble

Commercial Music Ensemble is a performance and recording based ensemble that rehearses and performs repertoire from popular music styles. The ensemble includes vocalists, guitarists, bassists, keyboard/pianists, drummers/percussionists, strings, horns, and more. Membership in the ensemble is open to all students and those in the community. Students will have the opportunity to learn the language of popular music style, chart arranging and stylistic interpretation. Performances will occur at RCC and in the community. Course can be repeated for up to 12 credits. Prerequisite: Ability to read music or play by ear. Some instruments are provided but many will need to be supplied by the student. Please check with the instructor on equipment that is available or can be checked out.

#### MUS119 (1 credit) Jazz Combo

Jazz Combo is a performance-based ensemble that rehearses and performs repertoire from jazz and popular music styles in the jazz idiom. The ensemble includes saxophones, trumpets, trombones, pianists, bassists, guitarists, drummers/percussionists, strings, vocalists and more. Students will explore the language of jazz in small sized combos, improvisation, chart arranging and stylistic interpretation. Membership in the ensemble is open to all students and those in the community. Performances will occur at RCC and in the community. Course can be repeated up to 12 credits. Prerequisite: Ability to read music. Basic understanding of musical terms and markings. Basic skills in playing one's instrument.

### MUS131 (2 credits) Class Piano I

Provides group instruction for beginning and intermediate piano. Focuses on the development of basic piano skills, note-reading, rhythm, scales, chords, and the introduction to related musical concepts. Contents and expected learning proficiencies of this course may vary from term to term. Not for music majors. No previous piano experience required. May be repeated for up to six credits.

#### MUS132 (2 credits) Class Piano II

Provides group instruction for beginning and intermediate piano. Focuses on the development of basic piano skills, note-reading, rhythm, scales, chords, and the introduction to related musical concepts. Contents and expected learning proficiencies of this course may vary from term to term. Not for music majors. May be repeated for up to six credits. Prerequisite: MUS131 or equivalent piano experience.

#### MUS133 (2 credits) Class Piano III

Provides group instruction for beginning and intermediate piano. Focuses on the development of basic piano skills, note-reading, rhythm, scales, chords, and the introduction to related musical concepts. Contents and expected learning proficiencies of this course may vary from term to term. Not for music majors. May be repeated for up to six credits. Prerequisite: MUS132 or equivalent piano experience.

## MUS135 (2 credits) Beginning Hand Drums

Provides students hands-on experience with a variety of hand percussion instruments from around the world. Emphasis is on basic techniques and rhythms to facilitate musical performance in a group setting. May be repeated for up to four credits.

#### MUS136 (2 credits) Introduction to Ukulele

Introduction to Ukulele covers the basic principles of playing and performing on the ukulele. Students will learn the basic anatomy, how to tune, and the beginning techniques of the instrument. Also covered are reading both music notation and tab as well as fingering methods, right hand-picking styles and techniques specific to the ukulele. Students will learn how to accompany other musicians in various musical settings. May be repeated for up to 6 credits.

## MUS137 (2 credits) Group Guitar: Beginning

Covers the basic construction of the guitar, principles of tuning, maintenance, and treatment of the instrument. Also covered are key signatures, scales, primary chords and their structures, as well as 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. May be repeated for up to six credits.

## 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 barre chords affording the guitarist the ability to play in any key. May be repeated for up to six credits. Prerequisite: MUS137.

#### MUS142 (3 credits) Music Technology I

Music Technology I is an introduction to audio and music production. Students will use and develop an understanding of what is a DAW, how to use and manipulate audio files, the use of plugins, outboard gear such as an interface and surface controllers, and production and delivery of music digitally.

#### MUS143 (3 credits) Music Technology II: MIDI and Virtual Instruments

Music Technology II: MIDI and Virtual Instruments is a continuation of Music Technology I. This course explores and expands on Daws, plug-ins and audio files editing while starting to explore MIDI and Virtual Instruments. Students will have the opportunity to program, enter and record MIDI, learn to control and operate virtual instruments/plug-ins and integrate it alongside audio files in the DAW. Prerequisite: Music Technology I or permission of Instructor.

## MUS144 (3 credits) Music Technology III: Audio Recording and Mic Techniques

Music Technology III: Audio Recording and Mic Techniques is a continuation of Music Technology II. This course explores and expands on recording our own audio, common practices to capture audio at the source, and audio production and editing after the recording. Students will have the opportunity to record in both live and studio settings, learn to place mics and capture audio, organize a session, cable/audio/session management and post production inside a DAW. Prerequisite: Music Technology II or permission of Instructor.

### MUS150 (1 credit) Rogue Chorus

Rogue Chorus is open to singers of all levels at RCC and from the community. It provides an opportunity for students to explore choral repertoire of diverse musical styles and genres. No audition required. Repeatable up to 12 credits.

## MUS151 (1 credit) Riverside Chorus

Riverside Chorus open to singers of all levels and provides an opportunity for students to explore choral repertoire of diverse musical styles and genres. No audition required. Repeatable for up to 12 total credits.

## MUS152 (1 credit) Concert Band

Open to students and community members of all ages. The ensemble plays a variety of both standard and non-standard concert band literature. Concert(s) at the end of the term. Repeatable for up to 12 total credits. Prerequisites: Ability to read music, approximately two years playing experience, ownership of a brass or woodwind instrument, and a desire to have fun playing music with others. Some instruments may be available for rent or loan from RCC Music Department. Check with the instructor.

## MUS153 (1 credit) Rogue Orchestra

The Rogue Orchestra explores a variety of music from different musical periods. It is open to all the students at Rogue Community College as well as the community members who play string, wind, brass, and percussion instruments. Perform in concert(s) at the end of each term. Repeatable up to 12 credits. Prerequisites: Ability to read music. Basic understanding of musical terms. Basic skills in playing one's instrument. Ownership of one's instrument. RCC Music Department may have opportunities for students to rent or loan an instrument. Check with the instructor.

## MUS158 (1 credit) Chamber Music Ensemble

Provides an opportunity for instrumentalists to explore, practice, and perform chamber music repertoire. Includes conducted and coached rehearsals for public performance. Covers repertoire for chamber group (duo-octet), small ensembles, and chamber orchestra. Requires the ability to read music. Must play a musical instrument. Singers considered. May be repeated for up to 12 credits.

## MUS199 (variable credits) Special Studies: Music

Serves a variety of needs and interests, and is used to develop a music course 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. The course is offered in a number of formats: workshop, seminar, or independent study and may be repeated for up to six credits. Prerequisite: Varies by course.

#### MUS199L (variable credits) Special Studies: Music (Lab)

Serves a variety of needs and interests, and is used to develop a music course 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. The course is offered in a number of formats: workshop, seminar, or independent study, and may be repeated for up to 6 credits. Prerequisite(s): Varies by course.

#### MUS201 (4 credits) Exploring Music: Introduction to Music History

Explores the history of Western European music from the Middle Ages to the 20th century. It is an overview of musical genres, styles, forms, and practices that were embraced in each period. Examines the way historical events, cultural trends, or technical inventions affected the musical trend in each era. Emphasis is on cultivating critical listening and comprehension skills through musical examples, learning from lectures, documentaries, recordings, and reading of the textbook. No musical background is required. Prerequisite: WR115 or designated placement score.

## 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 critical listening and comprehension skills through listening to musical examples, in-class discussion, quizzes, class assignments, research, and reading of the text. Prerequisite: WR115 or designated placement score.

## MUS206 (3 credits) Introduction to Rock Music

Offers a survey of history of rock music as the unique and prominent musical genre of the United States from its origins to the present. Explores the most innovative and influential artists of rock music as well as their performing and compositional style. Emphasis is placed on building critical listening and comprehension skills through listening to musical examples, in-class discussion of the music, quizzes, assignments, research, and reading of the text. Prerequisite: WR115 or designated placement score.

### MUS207 (3 credits) Songwriting

Songwriting is an introduction to the techniques and styles of popular music songwriting. This course provides students the opportunity to freely explore lyric writing, crafting melodies and hooks, effective use of harmony, and common song structures to successfully create their songs. Students will create their own works through basic lead sheets and workshop them with the class. Prerequisite: MUS101 or MUS111 or permission of Instructor.

#### MUS208 (3 credits) Film Music

Explores the capacity of music to enhance drama and affect our emotions in the medium of film. Examines different ways in which music has been used in film since the birth of cinema to the present. No prior knowledge of music is necessary. Prerequisite: WR115 or designated placement score.

## MUS211 (3 credits) Music Theory 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 formal and harmonic analysis. Examines a variety of compositional forms of Baroque and Classical eras and explores the ways that their renderings live in the music of our time. Topics include the study of binary, ternary, rounded binary, sonata-allegro (or first movement form), rondo, and fugue. Prerequisites: MUS113 or equivalent knowledge.

## MUS212 (3 credits) Music Theory V

Offers students a clear and thorough introduction to the resources and practice of Western music with a focus on the music of the Classical and Romantic periods and the ways that their renderings apply to music of our time. Forms to examine include rondo and variation. Includes study of extended tertial harmony (9th, 11th, 13th chords), altered dominants, chromatic mediants, and enharmonic modulation. Prerequisite: MUS211 or equivalent knowledge.

#### MUS213 (3 credits) Music Theory VI

Expands upon the elements of the practice of Western music harmony and introduces concepts, styles, and techniques of post-tonal theory of the 20th century music. MUS211/212/213 courses must be taken in sequence, unless Instructor permission is granted. Prerequisite: MUS212 or equivalent knowledge.

## MUS224 (1 credit) Aural Skills IV

Aural Skills IV is a continuation of Aural Skills III and serves to augment the subject matter in Music Theory IV with an emphasis on musical aural/oral training. Students develop their ability to hear, identify, and sing intervallic, tertial, melodic, harmonic, and rhythmic patterns in music. Through in-class study and drill, combined with out-of-class computer-assisted learning and self-guided practice, students will develop skills in sight singing and aural transcription with a focus on dominant and nondominant seventh chords in all positions, leading tone seventh chords in root position, and perceiving tonicization and modulation in chord progressions and melodies. This course is designed to be taken with MUS211 concurrently. Prerequisite: MUS116. Corequisite: MUS211.

## MUS225 (1 credit) Aural Skills V

Aural Skills V is a continuation of Aural Skills IV and serves to augment the subject matter in Music Theory V with an emphasis on musical aural/oral training. Students develop their ability to hear, identify, and sing intervallic, tertial, melodic, harmonic, and rhythmic patterns in music. Through in-class study and drill, combined with out-of-class computer-assisted learning and self-guided practice, students will develop skills in sight singing and aural transcription with a focus on harmonies through secondary dominant and leading tone. This course is designed to be taken with MUS212 concurrently. Prerequisite: MUS224. Corequisite: MUS212.

#### MUS226 (1 credit) Aural Skills VI

Aural Skills VI is a continuation of Aural Skills V and serves to augment the subject matter in Music Theory VI with an emphasis on musical aural/oral training. Students develop their ability to hear, identify, and sing intervallic, tertial, melodic, harmonic, and rhythmic patterns in music. Through in-class study and drill, combined with out-of-class computer-assisted learning and self-guided practice, students will develop skills in sight singing and aural transcription with a focus on harmonies through secondary dominant and leading tone. This course is designed to be taken with MUS213 concurrently. Prerequisite: MUS225. Corequisite: MUS213.

#### MUS261 (4 credits) History of Western Music I: Ancient to Baroque

Studies the history of Western music with a focus on the development of music from the antiquity, the Middle Ages, Renaissance, and Baroque Period. It will examine musical genres, forms, styles, and practices that were embraced in each period. It will also explore the way that historical events, cultural trend, and/or technical inventions affected the musical trend of each era. The emphasis is on cultivating critical listening and comprehension skills through musical examples, learning from lectures, documentaries, recordings, and reading of the textbook. Prerequisite: MUS101 or knowledge of music fundamentals and the ability to read music, and WR115 or designated placement score.

#### MUS262 (4 credits) History of Western Music II: Classical and Romantic

Studies the history of Western music with a focus on the development of music from Classical period to Romantic period. It will examine musical genres, forms, and styles that were embraced in each period. Explores the way that historical events, cultural trend, and/or technical inventions affected the musical trend of each era. Emphasis is on cultivating critical listening and comprehension skills through musical examples, learning from lectures, documentaries, recordings, and reading of the textbook. Prerequisite: MUS101 or knowledge of music fundamentals and the ability to read music, and WR115 or designated placement score.

### MUS263 (4 credits) History of Western Music III: 20th Century to Modern Day

Studies the history of Western music with a focus on the development of music from Late Nineteenth Century, Twentieth-Century Modernism, and Postmodernism (Mid-Twentieth Century and Beyond). Examines innovative compositional techniques, musical genres, forms, and styles that were embraced during each period. Explores the way that historical events, cultural trends, and/or technical inventions affected the musical trend or climate in each era. Emphasis is on cultivating critical listening and comprehension skills through musical examples, learning from lectures, documentaries, recordings, and reading of the textbook. Prerequisite: MUS101 or knowledge of music fundamentals and the ability to read music, and WR115 or designated placement score.

#### 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 compre-hension skills through listening to rock music, in-class discussion of the music, class assignments, research, and reading of the text. Prerequisite: WR115 or designated placement score.

## 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. Prerequisite: WR115 or designated placement score.

#### MUS266 (3 credits) History of Rock III: Heavy Metal to Hip-Hop

Explores 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. Prerequisite: WR115 or designated placement score.

## NFM - NUTRITION

### Lower Division Collegiate

#### 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. Previous coursework in biology is helpful. Prerequisite: RD90 or WR91 or designated placement score.

## NRS - NURSING

**Career and Technical Courses** 

#### NRS110 (4 credits) Foundations of Nursing - Health Promotion

This course introduces the learner to framework of the OCNE curriculum. 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 giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. Populations studied in the course include children, adults, older adults and the family experiencing a normal pregnancy. This course includes classroom and clinical learning experiences. 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. Prerequisites: Completion of all prerequisite/preparatory courses (minimum of 45 credits) and formal acceptance into the RCC AAS nursing program. Corequisite: NRS110C.

#### NRS110C (5 credits) Foundations of Nursing Health Promotion Lab/Clinical Clinical associated with NRS110.

#### NRS111 (2 credits) Foundations of Nursing in Chronic Illness I

Introduces assessment and common interventions (including technical procedures) for patients with chronic illnesses common across the life span in multiple ethnic groups. The patient 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 considered 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. Prerequisites: NRS110, NRS110C, Corequisites: NRS111C, NRS230, and NRS232.

#### NRS111C (4 credits) Foundations of Nursing in Chronic Illness I Lab/Clinical Clinical associated with NRS111.

Clinical associated with INKS111.

#### NRS112 (2 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 life span who require acute care, including normal childbirth. Disease/illness trajectories and their translation into clinical practice guidelines and/ or standard procedures are considered in relation to their impact on providing culturally sensitive, patient-centered care. Includes classroom and clinical learning experiences. Prerequisites: NRS110, NRS110C, NRS111, NRS111C. Corequisites: NRS112C, NRS231, NRS233.

#### NRS112C (4 credits) Foundations of Nursing in Acute Care I Lab/Clinical

Clinical associated with NRS112.

### NRS115 (4 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, concept-based learning activities, and patient care activities will be used to provide students opportunities to demonstrate critical thinking in the provision of simulated and actual patient care. The course will be delivered through a variety of methods, e.g. face to face classroom and seminar, skills lab, high fidelity simulation, and hospital clinical experiences. Participation in weekly NRS115 seminar sessions and all scheduled NRS115C clinical experiences (including required preparation for clinical care) will typically require a five day per week availability. Clinical is graded on a P/NP basis. Prerequisites: NRS230, NRS232, and full acceptance to the RCC Nursing Program. This course is only for LPNs accepted into the advanced placement process. Corequisite: NRS115C.

#### NRS115C (2 credits) LPN Transition to OCNE Clinical Clinical associated with NRS115.

#### NRS199 (variable credits) Nursing: Selected Topics

Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs and simulated patient care scenes. Includes skills in patient assessment, basic airway management, overall assessment and patient management, medication administration, and the use of other equipment. Prerequisite: Full acceptance to the RCC Nursing Program.

#### NRS221 (5 credits) Nursing in Chronic Illness II and End-Of-Life

This course builds on 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 inter-professional team and across health care settings 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. The course includes classroom and clinical learning experiences. Prerequisites: NRS110, NRS111, NRS112, NRS230, NRS231, NRS232 and NRS233. Corequisite: NRS221C.

#### NRS221C (4 credits) Nursing in Chronic Illness II and End-Of-Life Clinical

Clinical associated with NRS221.

#### NRS222 (5 credits) Nursing in Acute Care II and End-of-Life

Builds on Nursing in Acute Care I focusing on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision-making skills. Evidence base is used to support appropriate focused assessments and effective, efficient nursing interventions. Life span and developmental factors, cultural variables, and legal aspects of care frame the ethical decision-making employed in patient choices for treatment or palliative care 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. Prerequisites: NRS221 and NRS221C. Corequisite: NRS222C.

#### NRS222C (4 credits) Nursing in Acute Care II and End-of-Life Clinical

Clinical associated with NRS222.

#### NRS224 (2 credits) Integrative Practicum I

This course is 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 the intentional learner. Analysis and reflection throughout the clinical experience provide the student with evaluative criteria against which they can judge their own performance and develop a practice framework. Includes seminar, self-directed study and clinical experience. Prerequisites: NRS222, NRS222C. Corequisite: NRS224C.

## NRS224C (7 credits)

Integrative Practicum I Clinical Clinical associated with NRS224.

#### 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, psychotropic drugs, neurological drugs, principles of cancer chemotherapy, and drugs for endocrine, cardiovascular and respiratory diseases. 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.

## 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 including immune related drugs, herbals, gastrointestinal drugs, antivirals, antidysrhythmics and others. 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. It 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, or advanced placement as an LPN.

#### NRS233 (3 credits) Pathophysiological Processes II

This sequel to 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

# OAL - OUTDOOR ADVENTURE LEADERSHIP

#### Lower Division Collegiate

#### OAL150 (2 credits) Outdoor Living Skills

Introduces students to the art of preparing to camp in front or back country, presenting skills that are applicable to any environment and activity. Students will develop and apply skills in a range of environmental settings and will be prepared for future classes and experiences in the outdoors. The primary goal of this course is to learn the skills necessary to plan equipment and food for group trips as well as practice the skills of making informed choices in wilderness environments. Prerequisites: BT113 or WR115 or designated placement score, and ability to walk with a backpack in the wilderness containing own personal gear.

#### OAL223 (2 credits) Wilderness Navigation

Uses a classroom setting to preview and cover the types of land forms that will be seen in the wilderness to prepare students for understanding real life navigation complexes. Introduces students to wilderness navigation including how to orient, navigate, and route-find in a wilderness setting using maps, compass, altimeter and GPS. It also requires students to demonstrate competency in a field setting. Prerequisite: BT113 or WR115 or designated placement score.

#### OAL250 (3 credits) Foundations of Outdoor Adventure and Leadership

Introduces students to the history, philosophy, and styles in outdoor adventure leadership in contemporary society, with application to current trends and prospects for the future. Allows students to develop knowledge and a personal style of effective leadership and communication. Prerequisite: BT113 or WR115 or designated placement score.

## PE - PHYSICAL EDUCATION

#### Lower Division Collegiate

#### PE184 (1 credit) Adaptive Physical Education

Focuses on knowledge, comprehension, and application of human movement principles related to individuals with disabilities. Prepares students with a foundation of special needs applications through a combination of research and practical classroom experience within the professional arena of persons with disabilities. Because student participation is both a vital part of the learning process and an important way to enrich the course experience, student to student interaction is required. Students are encouraged to raise issues, provide information from their own experience, and ask questions. Prerequisite: WR115 or BT113 or designated placement score.

## PE185AML (1 credit) Aerobics, Multi-Level

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.

#### PE185APT (1 credit) Aquatics for Personal Trainers

Provides students with a solid foundation for working as personal trainers in the medium of water. 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. Course is repeatable. Prerequisites: PE185PCW and PE194.

## PE185BMT (1 credit) Mountain Biking

Mountain Biking is an "all-comers" course that allows for a range of abilities, form novice to advanced. Students will attend one orientation and will then meet at designated trail heads in the Rogue Valley each week and participate in the mountain biking courses. Mountain Biking course topics include: comfort and competitive rides, fitness, safety, hydration, nutrition, basic bicycle maintenance, and opportunities to get involved in the sport through community rides, racing, and volunteering.

## PE185BOW (1 credit) Bowling

Teaches basic bowling skills as well as provides a foundation to more advanced skills and techniques for those who are ready and able. Through use of instructional videos, personalized coaching on and off the lanes, and feedback from fellow classmates and the instructor, students will achieve personal fitness goals while having fun and interacting with others. Upon completion of this course students will show an improvement in bowling techniques, develop an understanding of rules, verbiage and etiquette of the sport, and be able to watch and participate in the sport with greater ability and knowledge. Course is repeatable. Prerequisite: Sufficient physical ability to move on the lanes, lift a bowling ball, and throw it down the lane.

## PE185BPA (1 credit) Backpacking Adventure

Teaches the skills to travel and camp with quality and style, while exploring and respecting the wilderness. The skills necessary to plan equipment and food for group trips as well as the skills to make informed choices in a wilderness environment will be covered. There will be a required planning/backpacking principles orientation in order to prepare for a mountain backpacking trip to an Oregon wilderness area. Students will be expected to share the cost of food and gas and will be responsible for their own backpacking gear including rental if necessary. Course is repeatable. Prerequisite: Ability to walk in the wilderness with a backpack containing personal gear for a minimum of 5-8 miles per day.

## PE185CAC (1 credit) Core and Cardio

Offers a variety of methods to achieve a stronger core and greater cardiac performance: weighted workout, kick boxing, circuit training, dance aerobics, step aerobics, and interval training are used to strengthen and increase metabolism, heart circulation, and lung capacity. Stretching, Pilates mat work, and the use of balls, weights and exercise bands to tone, strengthen, and develop the core, will also be employed. Short lectures will cover: the benefits of exercise, proper breathing and execution of exercises, prevention and care of exercise-related injuries, diet, physiology, major muscle group and body terms, and information on related health issues. Course is repeatable.

#### PE185CFT (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. 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 circuit activities. Weight machines, free weights, steps, medicine ball, slides, jogging / walking, resistance bands, stability ball and jump ropes are among the activities and equipment included. Course is repeatable.

#### PE185CID (1 credit) Cycling Indoor

Improves fitness, health, and overall wellness through structured group cycling. The course is designed to improve cardiovascular endurance while enhancing cycling skills and mechanics. Instructor-led workouts are performed on stationary cycles using a variety of cyclingspecific body positions and drills to the sounds of music. Focuses on maintaining or improving fitness through participation in a regular schedule of bicycle riding. Options for intensity are provided. Promotes improved cardiorespiratory conditioning, muscle strength and endurance, flexibility, and body composition. Course is repeatable. Prerequisite: Ability to pedal a stationary bicycle.

## PE185CRD (1 credit) Road Cycling

Road Cycling offers credit for cycling throughout the week and is designed so that beginner to expert can participate to improve his/her skills and enjoyment. Topics covered: riding techniques, comfort, fitness, safety, and basic bicycle maintenance. Rides can be in various locations throughout the Rogue and Applegate Valley, such as to and from school. The class will meet virtually in week 1 for an orientation and cover course expectations and requirements as well as basic safety and bicycle maintenance. Students will provide evidence of completion of assigned rides to instructor through shared STRAVA (or other) app use and submit a journal for each ride through Blackboard.

#### PE185DBR (1 credit) Dance: Ballroom and Social

Introduces ballroom dancing including basic steps in some of the most popular European, Latin, and American ballroom dance rhythms. The emphasis is on learning the techniques of the basic moves in the different dance rhythms. Students are expected to execute moves based on the general dance patterned steps and are also expected to lead and follow extemporaneous sequences. Approximately 75 percent of the dance time the instructor cues the steps that students should be performing, and the class executes these moves together. 25 percent of the class time focuses on how to lead and how to follow for the various moves that have been taught. The goal is to have students leave with a fundamental working knowledge of the most popular and familiar ball room dances: Foxtrot, Rumba/Cha-Cha, Waltz, Tango, and Swing (Jitterbug/Jive). Course is repeatable.

## PE185DSL (1 credit) Dance: Salsa and Latin

Salsa and Latin dance is an introductory social dance course that covers basic steps, patterns, and technique for several popular Latin rhythms. An emphasis on lead and follow technique will allow students to execute improvised dance to music. By the end of the term, students will have a fundamental working knowledge of the dances presented in class, with some ability to both lead and follow as demonstrated in a final exam. The dances covered include: Salsa, Cumbia, Bachata, and Merengue. Course is repeatable. Prerequisite: Ability to stand and move in close contact with another person.

## PE185HOA (1 credit) Hiking Oregon Adventure

Teaches necessary skills involved in hiking. These skills include pre-trip planning, orienteering, traveling as a group, wilderness ethics, and safety. Course topics will also include plant, animal, and animal track identification. We will focus on learning about and exploring the diverse flora and fauna while enjoying the beauty that the Oregon National Recreation Area has to offer in wilderness areas and coastal environments. We will be camping in state or local campgrounds and hiking each day from that base camp. You are expected to learn and share in all aspects of hiking together including plant and animal identification, map and compass lessons and Geocaching GPS activities. We will cover basic preventative first aid, particularly hydration and foot care. We will approach challenges as a group, and involvement is critical to a safe and successful backcountry excursion. Course is repeatable. Prerequisites: Physical abilities and strength to sustain 3 days of hiking in the recreation areas of Oregon. Students must be able to minimally perform the requisite physical activities and participate on a regular, daily basis for the entire length of the class period to pass the class successfully.

#### PE185KAK (1 credit) Karate/Kenpo Self Defense (Beginning through Advanced)

Covers the fundamentals of the traditional form of karate, Daimon-Ryu Kenpo karate. Emphasis is on self-development and awareness, with the acquisition of self-defense skills as a practical by-product. The course covers postures, fundamental techniques, self-defense applications, and basic combinations of the material. Upon successful completion of the Yellow Belt exam, an official rank certificate will be recorded and issued to the candidate. Course is repeatable.

## PE185KAR (1 credit) Karate, Traditional

Teaches the fundamentals of Okinawan/Japanese karate (Ukinju-Ryu Karate-Do) that has an emphasis on balance, coordination, physical fitness, and personal wellbeing as a primary goal, with the acquisition of self-defense skills and a sport competition component as practical byproducts. Covers postures, fundamental techniques, interactive drills, and self-defense applications. In addition, international sport competition rules and regulations and the basic combative skills will be introduced that can lead to organized sport competition comparative, in style, to that of the Traditional Karate-Do to be featured in the 2021 Tokyo Olympic Games. Course is repeatable. Prerequisite: Students must be able to minimally perform the requisite physical activities defined by the course.

#### PE185KSA (1 credit) Kayaking the Sea Coast Adventure

Offers beginners and seasoned kayakers a unique educational, outdoor adventure. Students will learn to maneuver sea kayaks in different environments in the ocean based on the ACA's Essentials of Kayaking curriculum, Levels 1-3. The course is designed to heighten a student's enjoyment of padding in the ocean and to appreciate the beauty, both as a spectator and as a participant, of the kayaking adventure. Students will learn the fundamental kayaking skills that provide lifelong recreational learning and fitness enjoyment. Includes the basic elements of ocean navigation, safety considerations, and paddling and stability techniques. Course is repeatable. Prerequisites: Breathe independently (i.e., not require medical devices to sustain breathing); independently maintain sealed airway passages while underwater; independently hold head upright without neck/head support; manage personal care independently; manage personal mobility independently; follow instructions and effectively communicate independently; independently turn from face-down to face-up and remain floating face up while wearing a properly fitted life jacket; get in/out of a paddle craft independently as well as get out from under a capsized paddle craft.

## PE185KWW (1 credit) Kayaking Whitewater

Offers beginners and seasoned river runners a unique educational, outdoor adventure. Students will learn to kayak various parts of the Rogue River based on the ACA's Essentials of Kayaking curriculum levels 1-3. Course is designed to heighten a student's enjoyment of the river and its beauty, both as a spectator of the river and as a participant in the kayaking adventure in still waters up to Class I-II rapids. Students will learn fundamental kayaking skills that provide lifelong recreational learning and fitness enjoyment. Includes the basic elements of river reading, safety considerations, and paddling techniques, and learning the skills required to efficiently maneuver a kayak on rivers with Class I-II rapids. Prerequisites: Ability to breathe independently (i.e., not require medical devices to sustain breathing); independently maintain sealed airway passages while underwater; independently hold head upright without neck/head support; manage personal care independently; manage personal mobility independently; follow instructions and effectively communicate independently; independently turn from face-down to face-up and remain floating face up while wearing a properly fitted life jacket.

#### PE185LSW (1 credit) Lap Swimming

Fosters the development of cardiovascular health and increased strength and flexibility through aquatic and strength exercises at the community YMCA pool and fitness center. Emphasizes overall fitness and encourages students to swim and train at their own pace. Students set individual goals for swimming and strength training, and strive to reach those goals over the course of the term. Students meet with the instructor before the class begins to discuss class procedures and goals. Course is repeatable. Prerequisite: Sufficient physical ability to swim and/or move in a pool environment.

## PE185MTA (1 credit) Mountaineering Adventure

Covers the basic skills needed to explore and respect the wilderness while perfecting the ability to climb mountains safely. Skills necessary to plan equipment and make informed choices in a wilderness environment will be covered and include: equipment, knots, safety, training, stretching, skills and techniques, route finding, belaying, snow and ice anchors, rappelling, rope handling, selfarrest, crevasse rescue, and team work. The course will include two off-campus backcountry trips to learn and practice skills in preparation for a mountaineering trip. All three day trips are required for successful completion of the course. Students will be expected to share the cost of food and gas, and will be responsible for their own winter boots and clothing. Mountaineering equipment including: helmets, harnesses, ice axes, crampons, ropes, belay devices, prussiks, snow and ice anchors, and avalanche equipment will be provided. Course is repeatable. Prerequisite: Physical abilities and strength to climb mountains.

#### PE185PCW (1 credit) Physical Conditioning - Weight Training

Encompasses body composition evaluation, fitness assessments, a variety of the newest fitness industry weight training programs and activities such as EMOMs and supersets that involve muscle endurance and strength, aerobic activities for improved cardiovascular endurance and circulation, and stretching for flexibility. Students meet with the instructor to create an individual workout based on components of best practices in the fitness industry. Incorporates fitness and weight lifting activities to accommodate each student's ability and need by designing a workout to address individual performance levels and student goals. Course is repeatable. Prerequisite: Ability to lift weights and use cardio equipment.

#### PE185PIL (1 credit) Pilates

Designed to enhance flexibility, core strength, coordination, improved breathing and lung capacity, muscle control and balance through a system of controlled movements, Pilates is an "all comers" exercise course. Pilates is an effective method for reducing stress, increasing abdominal tone, improving posture and flexibility by combining smoothly controlled movements with concentration and breathing. Students of all ability levels are welcome. Course is repeatable.

## PE185RCA (1 credit) Rock Climbing Adventure

Provides extended learning opportunities for students to challenge themselves while focusing on safety and teamwork. Focus is on both top rope and sport climbing on a wide variety of rock types and route difficulty levels. Introduction to traditional clean lead climbing methods will also be covered. Students will have extended opportunities to practice anchor evaluation, safety equipment usage, topographical reading, route finding, climbing skills, and teamwork. This will be a three-day, two-night climbing expedition. Class requires an orientation session where skills will be demonstrated, practiced and audited. Class focus would be on continued skill development in the outdoor rock-climbing environment. Course is repeatable. Prerequisites: Physical abilities and strength to climb rock surfaces; and PE185RCB Beginning Rock Climbing or proficiency.

## PE185RCB (1 credit) Rock Climbing Beginning

Covers the basic skills needed to explore and respect the wilderness while perfecting the ability to climb rock faces safely. The skills necessary to plan equipment and make informed choices in a wilderness environment will be covered and include: equipment, knots, safety, training, stretching, skills and techniques, belaying, top rope anchors, rappelling and team work. The course will include several venues and a field trip for successful completion of the course. Students will be expected to share the cost of food and gas, and will be responsible for their own rock climbing gear including rentals if necessary. Course is repeatable. Prerequisite: Physical abilities and strength to climb rock surfaces.

#### PE185RRV (1 credit) Rafting the River

Offers beginners and seasoned river runners a unique educational, outdoor adventure. Students will learn to raft various parts of the Rogue River based on the ACA's Essentials of Rafting curriculum Levels 1-3. The course is designed to heighten a student's enjoyment of the river and its beauty, both as a spectator and as a participant of the rafting adventure in still waters up to mild rapids. Includes the skills required to efficiently row and paddle a raft on rivers by mastering skills such as using good judgement and organization, river reading, safety considerations, and paddling and rowing techniques such as forward/pushing, back/pulling, opposing, single and dual oar use, facing down and upstream on the river, turn craft to left, right, straight, reverse, spin-pivot turn, turn broad arcing while underway, river strategies, rowing in current, scouting, portaging/lining, and river signals. Students will enjoy boating skills that provide lifelong recreational learning and fitness enjoyment. Course is repeatable. Prerequisites: Ability to breathe independently (i.e., not require medical devices to sustain breathing); independently maintain sealed airway passages while underwater; independently hold head upright without neck/head support; manage personal care independently; manage personal mobility independently; follow instructions and effectively communicate independently; and independently turn from face-down to face-up and remain floating face up while wearing a properly fitted life jacket.

## PE185SAC (1 credit) Soccer and Conditioning

Encompasses body composition evaluation and fitness assessments, a variety of the fitness industry's weight training programs and activities that involve muscle endurance and strength, aerobic activities for improved cardiovascular endurance and circulation, and stretching for flexibility, specifically for soccer players. Students are paired together and will be put through intense circuit training each day. Each grouping of exercises has a set number of repetitions to be completed in a certain amount of time as displayed on the instructor's clock. Each session is a full body workout that includes major muscle groups of the upper body, lower body, and core. Each class ends in a short soccer match. Course is repeatable. Prerequisites: Ability to lift weights, use cardio equipment, and participate in small sided soccer games.

## PE185SAS (1 credit) Step and Stuff

Develops individual cardiovascular fitness, muscular strength and endurance, flexibility and stability through group exercise activities utilizing step platforms and various other exercise equipment. Learn about basic step moves, starting out easy and working up to more advanced moves, as well as mat work, stability balls, free weights, step/platforms and exercise bands to strengthen muscle, increase endurance, stretch bodies, and abdominal/core work. Each class begins with a warmup, including toning and dynamic stretching of all major muscle groups, followed by 40-55 minutes of fitness activities. Every class ends with a cool-down period focusing on static stretching, breathing, body alignment, and relaxation. At the end of class, the instructor will discuss handouts and information such as the benefits of breathing and exercise, the prevention and care of exercise-related injuries, muscles, diet, physiology, and information related to health. Course is repeatable.

## PE185SCU (1 credit) SCUBA Diving

Designed to foster the development of proper and safe techniques in obtaining an Open Water Diver Certificate issued by Scuba Schools International (SSI). Offers students classroom instruction, pool practice, and a minimum of four open water dives of 20 minutes each, in rivers, lakes or ocean. This certificate allows holders to dive to a maximum depth of 60' in open water with another certified diver. The two-part water skills are: confined water sessions at the YMCA and an open water, two-day weekend at a local river or lake. Additional fees are required. Course is repeatable.

#### PE185SDW (1 credit) Self Defense for Women

Offers instruction in basic self-defense awareness and practical physical techniques geared to specifically serve the needs and concerns of the female community. The physical core of the training is the Daimon-Ryu Kenpo Karate system, a traditional form of karate which has an emphasis on self-development and awareness as a primary goal, with the acquisition of self-defense skills as a practical by product. The course will cover situational awareness, critical distance, movement and postures, physical weapons awakening, self-defense applications, stress inoculation and assault scenario practice. Men and women alike are welcome in this practical, demonstration-based course. Course is repeatable.

## PE185SID (1 credit) Soccer, Indoor

Provides instruction in all areas of indoor soccer: essential components of skill sets, game tactics, offensive and defensive strategies, and fundamentals of team play. Students will learn fundamental rules and skills that will provide them lifelong recreational learning and fitness enjoyment. Through this course, students will foster qualities of sportsmanship, team play, collaboration, cardiorespiratory fitness, and commitment. Course is repeatable. Prerequisite: Students need to be able to run and kick a ball to fully participate in all activities.

## PE185SSS (1 credit) Snow Skiing - Snowboarding

Designed to teach the complete range of alpine skiing or snowboarding skills, from basic to advanced techniques, in small group settings of students based on ability levels. Course is designed to help students achieve personal fitness goals, while having fun and interacting with others. Upon completion of this course, students will show improvement in downhill techniques, develop an understanding of rules and etiquette of the sport and be able to view the sport with greater appreciation of the techniques and skills required. RCC HPER Department will communicate with instructors from Southern Oregon University, and Mt. Ashland ski/snowboard instructors to offer a seamless experience of combining students from two educational institutions. Course is repeatable. Prerequisite: Ability to stand on skis or snowboard and maintain balance while developing techniques on the mountain.

## PE185SUA (1 credit) Surfing Adventure

Provides training and practical application in the skills associated with longboard surfing. Surfing combines physical exercise, balance, and constant observation of one's environment. Students will enjoy the waves, wind, beach, and interacting with other surfers. Includes safety considerations in the ocean environment, communication, equipment usage and care, reading waves, wind and tides, paddling, standing, balancing, turning, the "art of wiping out", and surfing etiquette. Class includes a three-day, two-night surfing expedition. Students will be responsible for their own food, camping equipment, clothing, and transportation to and from the site, as well as travel to and from the camping location. Participation in all aspects of the orientation and trip are necessary to successfully complete the course. Course is repeatable. Prerequisite: Ability to float, swim, tread water and carry a surfboard into the ocean to at least waist-deep water.

#### PE185TAI (1 credit) Tai Chi

For beginners as well as more advanced students of Tai Chi. Students will learn techniques for relaxation and stress reduction using the Yang style of Tai Chi and various breathing exercises. The relationship of Tai Chi to martial arts and the applications of the various postures will be explained. Learning to do forms is one objective of this course, but the emphasis is on understanding the concepts of Tai Chi as related to stress reduction and relaxation. Course is repeatable. Prerequisite: Ability to engage in specific movement patterns.

#### PE185TRX (1 credit) TRX and Functional Fitness

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. Every class will end with a cool-down period focusing on static stretching and relaxation. Mini-lecture sections will cover benefits of exercise, functional strength for optimal wellness, proper breathing and execution of exercises, prevention and care of exercise-related injuries, diet, major muscles groups and body anatomy, and information on related health issues. Course is repeatable.

#### PE185VBL (1 credit) Volleyball Co-ed

Learn the fundamental rules and skills that will provide lifelong recreational learning and fitness enjoyment of volleyball. This course is designed to allow students to master basic volleyball proficiency, acquire advanced skills, gain knowledge of game tactics, offensive and defensive strategies, develop communication with teammates, and practice fair play in a lifetime sport. Through this course, students will foster qualities of sportsmanship, team play, collaboration. Course is repeatable. Prerequisite: Sufficient physical ability to move on the court and pass/hit a volleyball.

#### PE185WSA (1 credit) Winter Survival and Snow Camping Adventure

Provides training and practical application of learning to deal with the extremes of winter and camping in the snow. The winter environment poses many inherent challenges to travelers and outdoor adventure participants. Every year, individuals and families enter the wilderness and find themselves unprepared for peril due to accidents, poor planning, or lack of education. Course is repeatable. Prerequisite: Ability to walk in the snowy wilderness for short distances with a backpack containing personal gear.

#### PE185WWT (1 credit) Women and Weights: Weight Control and Strength Improvement

Focuses on empowering women and men with the basics of weight training and various modes of fitness, with a special focus on the physiology of the woman's body. The benefits of safe, effective, and progressive strength training will be emphasized. Topics in the course will include enhanced strength, muscle tone, increased metabolism, enhanced energy levels and reduction of depression symptoms. Each week a new mode of fitness will be introduced or incorporated into a progressively expanding circuit of exercises. These circuit activities will rotate on a regular schedule. Every class will end with a cool-down, stretching, and relaxation. 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 muscle groups and body terms, and information on related health issues. Course is repeatable.

#### PE185YOB (1 credit) Yoga Balance and Core

Yoga, balance and core is inspired by Yoga and Pilates with added core and strength conditioning. This class is designed to include exercises that increase strength, stamina, stability, balance, flexibility, and focus on the core muscles. Poses are held for several breaths to focus on increasing strength, while a rhythmic, flowing style generates heat in the body. This blend of focus and flow incorporates dynamic balance and functional training that challenge strength and balance, and emphasize the athleticism of yoga and Pilates. Classes end in a traditional way with deep relaxation and meditation. Modifications available for all fitness levels, no prior yoga or Pilates experience is required. Course is repeatable. Prerequisite: Ability to follow slow poses and movements.

#### PE185YOF (1 credit) Yoga Flow

Yoga Flow is inspired by Yoga, Tai Chi and Qi Gong, with added core and strength conditioning. This class is designed to include exercises that increase strength, stamina, stability, balance, flexibility, and focus on the core muscles. Poses are held for several breaths to focus on increasing strength, while a rhythmic, flowing style generates heat in the body. This blend of focus and flow incorporates dynamic balance and functional training that challenge strength and balance, and emphasize the athleticism of yoga. Classes end in a traditional way with deep relaxation and meditation. Modifications available for all fitness levels. No prior yoga, Tai Chi or Qi Gong experience is required. Course is repeatable. Prerequisite: Ability to follow the instructor's movements in Yoga/Tai Chi/Pilates style actions.

## PE185YOG (1 credit) 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 improving health. Yoga enhances flexibility, strength, coordination, lung capacity and balance through a system of gentle movements: various yoga poses (asanas), alignment principles, and breathing techniques (pranayamas). Students of all ability levels and all faith systems are welcome. Course is repeatable.

## PE185ZLG (1 credit) Zip Line Guide Technical Skills

Provides training and practical application in the skills associated with zip line challenge course facilitation. Students will learn the technical skills and safety procedures for safe zip line facilitation expectations. Combines physical demands, balance, and constant observation of one's environment. Includes all safety considerations and procedures, communication, equipment usage and care, and etiquette. Course is given over two weekends. Participation in all aspects of the orientation and trip are necessary to successfully complete the course. Course is repeatable. Prerequisite: Physical fitness in order to perform required duties of zip line guide.

## PE185ZUM (1 credit) Zumba ®

Zumba\* is a Latin-inspired, dance-fitness class that incorporates Latin and international music with dance movements, creating a dynamic, exciting, and effective fitness workout. This class combines fast and slow rhythms that tone and sculpt the body in an aerobic/ fitness fashion to achieve a unique blended balance of cardio and muscle toning movements through easy-to-follow steps. Movements target areas such as the legs, arms, core, abdominal, and the most important muscle in the body, the heart. Students are encouraged to work at their own paces. Activities include: muscular endurance, cardiovascular endurance, body composition, flexibility, and learning the basic muscle groups. Course is repeatable.

#### PE199 (variable credits) Special Studies: Physical Education

Offers selected topics of study in physical education through workshop and field study format.

#### PE280 (variable credits) Cooperative Work Experience / Physical Education

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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 and additionally, CWE courses require prior arrangements with faculty or the Department Chair. Corequisite: PE264 or HE259.

## 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 professional 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: Minimum 16 years of age and ability to pass swimming tests (freestyle, side stroke, and breast stroke).

## **PH - PHYSICS**

#### Lower Division Collegiate

### PH201 (3 credits) General Physics I

First of a three-term algebra-based physics course. Conservation laws and Newtonian mechanics are covered. This includes but is not limited to force and motion, forms of energy (including kinetic potential and various types of internal energy such as rotational, thermal and latent), conservation of momentum, conservation of angular momentum, conservation of energy, Newton's laws, kinematics, free-body diagrams, net force equations, torque and orbital mechanics. Students must enroll in lecture, laboratory and recitation sections. All three sections are required and to be taken concurrently. Prerequisites: MTH112 and WR115 or BT113 or designated placement score(s). Corequisites: PH201L, PH201R.

#### PH201L (1 credit)

**General Physics I Lab** Lab associated with PH201.

## PH201R (1 credit)

**General Physics I Recitation** Recitation associated with PH201.

## PH202 (3 credits)

**General Physics II** Second of a three-term algebra-based physics course. Special relativity and electromagnetism are covered. This includes but is not limited to space-time diagrams, time dilation, length contraction, conservation of four-momentum, electrostatics, fields, current, voltage, circuits, magnetism, induction, Maxwell's equations and electromagnetic waves. Students must enroll in lecture, laboratory and recitation sections. All three sections are required and to be taken concurrently. Prerequisites: PH201, PH201L, PH201R or PH211, PH211L, PH211R. Corequisites: PH202L, PH202R.

PH202L (1 credit) General Physics II Lab Lab associated with PH202.

PH202R (1 credit) General Physics II Recitation Recitation associated with PH202.

#### PH203 (3 credits) General Physics III

Third of a three-term algebra-based physics course. Waves, quantum mechanics, thermodynamics and statistical mechanics are covered. This includes but is not limited to wave interference, diffraction, photoelectric effect, wave-particle duality, Schrodinger wave equation, spectra, heat capacity, kinetic molecular theory, multiplicity, entropy, ideal gas law, cyclic processes, laws of thermodynamics and heat engines. Students must enroll in lecture, laboratory and recitation sections. All three sections are required and to be taken concurrently. Prerequisites: PH202, PH202L, PH202R or PH212, PH212L, PH212R. Corequisites: PH203L, PH203R.

#### PH203L (1 credit) General Physics III Lab Lab associated with PH203.

#### PH203R (1 credit) General Physics III Recitation Recitation associated with PH203.

#### PH211 (3 credits)

**General Physics (Calculus Based) I** First of a three-term calculus-based physics course. Conservation laws and Newtonian mechanics are covered. This includes but is not limited to forces and motion, forms of energy (including kinetic potential and various types of internal energy such as rotational, thermal and latent), conservation of momentum, conservation of angular momentum, conservation of energy, Newton's laws, kinematics, free-body diagrams, net force equations, torque and orbital mechanics. Students must enroll in lecture, laboratory and recitation sections. All three sections are required and to be taken concurrently. Prerequisites: MTH112 and WR115 or BT113 or designated placement score(s). Corequisites: MTH251, PH211L, PH211R.

#### PH211L (1 credit)

General Physics (Calculus Based) I Lab Lab associated with PH211.

#### PH211R (1 credit)

General Physics (Calculus Based) I Recitation

Recitation associated with PH211.

#### PH212 (3 credits) General Physics (Calculus Based) II

Second of a three-term calculus-based physics course. Special relativity and electromagnetism are covered. This includes but is not limited to space-time diagrams, time dilation, length contraction, conservation of four-momentum, electrostatics, fields, current, voltage, circuits, magnetism, induction, Maxwell's equations and electromagnetic waves. Students must enroll in lecture, laboratory and recitation sections. All three sections are required and to be taken concurrently. Prerequisites: PH211, PH211L, PH211R and MTH251. Corequisites: MTH252 and PH212L, PH212R.

#### PH212L (1 credit) General Physics (Calculus Based) II Lab

Lab associated with PH212.

PH212R (1 credit) General Physics (Calculus Based) II Recitation

Recitation associated with PH212.

#### PH213 (3 credits) General Physics (Calculus Based) III

Third of a three-term calculus-based physics course. Waves, quantum mechanics, thermodynamics and statistical mechanics are covered. This includes but is not limited to wave interference, diffraction, photoelectric effect, wave-particle duality, Schrodinger wave equation, spectra, heat capacity, kinetic molecular theory, multiplicity, entropy, ideal gas law, cyclic processes, laws of thermodynamics and heat engines. Students must enroll in lecture, laboratory and recitation sections. All three sections are required and to be taken concurrently. Prerequisites: PH212, PH212L, PH212R and MTH252. Corequisites: PH213L and PH213R.

## PH213L (1 credit) General Physics (Calculus Based) III Lab

Lab associated with PH213. PH213R (1 credit)

General Physics (Calculus Based) III Recitation

Recitation associated with PH213.

## PHL - PHILOSOPHY

#### Lower Division Collegiate

#### PHL101 (4 credits) Philosophical Problems

Introduces basic questions of philosophy and some of the persistent philosophical problems. Students will be introduced to some of the traditional solutions to those problems and be given a base to provide their own answers. Prerequisite: WR115 or designated placement score.

#### PHL102 (4 credits) Ethics

Develops the idea of humans as moral agents and provides critical consideration of various interpretations of the ideals and standards of moral conduct. Prerequisite: WR115 or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

## PHL199 (variable credits) Special Studies: Philosophy

Explores major ideas and belief systems of the world and the extent to which individual values are shaped by cultures. Prerequisite(s): Varies by course.

## PN - PRACTICAL NURSING

#### Career and Technical Courses

#### PN101 (8 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, simulation, and a long-term care setting. Course does not transfer. Prerequisites: OSBN CNA certification, B1121 and B1122 with lab (or B1231, B1232 and B1233 with labs) within 7 years, CPR, CIS120 or documented computer proficiency, MTH65 or higher-level math, PSY101, WR121, and acceptance into the Practical Nursing program (see the catalog for detailed information). Corequisite: PN101C.

## PN101C (4 credits) Practical Nursing I Clinical

Clinical associated with PN101. Occurs in the skills lab and a long-term care setting. Skills lab/clinical course is graded on a pass/no pass basis. Prerequisites: OSBN CNA certification, BI121 and BI122 with lab (or BI231, BI232 and BI233 with labs) within 7 years, CPR, CIS120 or documented computer proficiency, MTH65 or higherlevel math PSY101, WR121, and acceptance into the Practical Nursing program (see the catalog for detailed information).

## PN102 (8 credits) Practical Nursing II

Continues application of the nursing process and practical nursing scope of practice to content in selected medical and 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 selected specialty experiences. Clinical course is graded on a pass/no pass basis. Course does not transfer. Prerequisites: PN101, PN101C. Corequisite: PN102C.

#### PN102C (4 credits) Practical Nursing II Clinical

Clinical associated with PN102. 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 selected specialty experiences. Clinical course is graded on a pass/no pass basis. Course does not transfer. Prerequisites: PN101, PN101C

#### PN103 (8 credits) Practical Nursing III

Continues the application of the nursing process and practical nursing scope specific to foundations of oncology, immune disorders, HIV, reproduction, maternity, pediatrics, orthopedics, neurological and renal/urinary nursing. In addition, leadership and trends in practical nursing are considered, and the NCLEX-PN application process is discussed. 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. Course does not transfer. Prerequisites: PN102, PN102C. Corequisite: PN103C.

#### PN103C (4 credits) Practical Nursing III Clinical

Clinical associated with PN103. Nursing care provided by the student in clinical situations takes place primarily in long-term care settings with selected specialty experiences in the maternity and/or other units of local hospitals. Clinical is graded on a pass/no pass basis. Course does not transfer. Prerequisites: PN102, PN102C.

## 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. Course does not transfer. Corequisites: PN103, PN103C.

#### PN199 (variable credits) Practical Nursing: Selected Topics

Develops students' abilities to recognize and treat the symptoms of illness and injury in classroom labs and simulated patient scenes. Includes skills in focused assessment, basic nursing interventions, patient management, medication administration, and the use of different types of equipment. Prerequisite: Some level of nursing education or background is required.

## PRX - PHARMACY TECHNICIAN

#### **Career and Technical Courses**

## PRX101 (4 credits) Pharmacy Technician I

Introduces the basic concepts of the practice of pharmacy and the pharmacy technician's role, including the history of pharmacy, the types of pharmacy settings, the language of pharmacy and drug classifications, the types and use of technology in the pharmacy setting, and basic concepts of health insurance billing as they relate to the pharmacy technician's role. Prerequisite: Acceptance into the Pharmacy Technician Certificate program

## PRX102 (4 credits) Pharmacy Technician II

Builds on material learned in Pharmacy Technician I. Focus is on the pharmacy technician's role in purchasing and inventory control, the behaviors expected of a professional pharmacy technician, the process of preparing, labeling, packaging, storing, and distributing medication, and the purpose, reason, and process for compounded and sterile medications. Prerequisite: PRX101.

## **PS - POLITICAL SCIENCE**

#### Lower Division Collegiate

#### PS199 (variable credits) Special Studies: Political Science

Selected topics of study in political science are offered on demand through workshops, seminars, lecture, lab, and/ or independent study format. This course is designed to: Provide students with opportunities to explore in greater depth specific topics in the field of political science which are presented in the introductory political science course; Provide other RCC departments with a variety of subject offerings designed to address problems, issues and concerns which are unique to their specific discipline; Provide flexibility in meeting elective political science credits by allowing and encouraging students to research areas of political science not currently taught in the political science curriculum. Prerequisites: May vary depending on subject offerings.

#### PS201 (4 credits) U.S. Government: Institutions and Policy

Provides a general investigation of the socio-political processes in the United States and includes, but is not limited to, the following: an historical overview of American democracy and political institutions, the Constitution and the road to ratification, federalism and domestic and foreign policy. Prerequisite: WR115 or BT113 or designated placement score. Courses need not be taken in sequence.

#### PS202 (4 credits) U.S. Government: Ideologies and Political Participation

Examines the concepts and principles of the American political system including political ideologies, civil liberties, and the role of interest groups, media and public participation in campaigns and elections. Prerequisite: WR115 or BT113 or designated placement score. Courses need not be taken in sequence.

#### PS203 (4 credits) State and Local Government

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. Prerequisite: BT113 or WR115 or designated placement score. Courses need not be taken in sequence.

#### PS280 (variable credits) Cooperative Work Experience / Political Science

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

## PSY - PSYCHOLOGY

#### Lower Division Collegiate

## PSY101 (3 credits) Psychology of Human Relations

Focuses on the practical application of psychology in everyday situations. Topics include self-concept, emotions, needs, values, healthy relationships, interpersonal communications, and behavioral change. The course provides students an experiential opportunity to develop an understanding and awareness of themselves and others, and a variety of practical tools for the development of interpersonal skills. Emphasis is on becoming a more effective member of the human community. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

## 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 behavior and the behavior of others. The course consists of small and large group exercises augmented by lecture. Prerequisite: WR115 or BT113 or designated placement score.

#### PSY199 (variable credits) 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. Prerequisites: May vary depending on subject offerings.

## PSY201 (4 credits) General Psychology I

Provides students with the foundational knowledge required for further study in the field of psychology. This course 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. Provides training in the application of study skills, critical thinking and crosscultural awareness. Prerequisite: WR115 or BT113 or designated placement 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. Provides training in the application of study skills, critical thinking, and cross-cultural awareness. Prerequisite: WR115 or BT113 or designated placement score. Recommended prerequisite: PSY201.

#### PSY215 (4 credits) Lifespan 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: WR115 or BT113 or designated placement score and PSY201 OR PSY202

## 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, including legal issues such as insanity and civil commitment. Students will explore the nature of abnormality and examine social and cultural factors as well as specific disturbances in behavior, mood, thinking, and perception which have defined abnormality, past and present. Special problems of research with the clinical population and major theoretical models for assessment, diagnosis and treatment will also be studied. Specific topic areas include disorders of childhood and adolescence, anxiety, obsessive-compulsive and related disorders, disorders of trauma and stress, disorders featuring somatic symptoms, eating disorders, schizophrenia, and personality disorders. Prerequisites: WR115 or BT113 or designated placement score, and PSY201. Corequisite: 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. The most basic assumption is that human goodness and excellence are as important as disorder and human flaw. Topics covered in this course 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 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: WR115 or BT113 or designated placement score.

#### PSY280 (variable credits) Cooperative Work Experience/ Psychology

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

## RD - READING

# Lower Division Collegiate (except where noted)

#### RD90 (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 the student to further develop the background knowledge and vocabulary necessary to effectively read college level material. The course also addresses work-related literacies such as creative and critical thinking, following written and oral instructions, collaboration, and communication skills. When taken with WR90, course is equivalent to WR91. Course is graded on a pass/no pass basis. Prerequisite: Designated placement score as shown on current indicator chart. Course does not transfer.

#### RD115 (3 credits) Speedreading 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 nonfiction; and inferential and critical reading. Prerequisite: RD90 or WR91 or designated placement score.

## 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. This class also provides rules and techniques to help students strengthen their spelling abilities. 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 college students, as well as their chosen career paths. Attention is given to application of spelling and vocabulary to college, personal success, and future employment. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score.

## RD120 (3 credits) Critical Reading and Thinking

Develops a student's 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 thinking, reading and problem-solving skills. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score.

## REL - RELIGION

## Lower Division Collegiate

## 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 (AAOT). Prerequisite: WR115 or designated placement score.

## 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. Prerequisite: WR115 or designated placement score.

## SOC - SOCIOLOGY

## Lower Division Collegiate

#### SOC199 (variable credits) Special Studies: Sociology

Selected topics of study in sociology are offered on demand through workshops, seminars, lecture, lab, and/ or independent study format. This course is designed to: provide students with opportunities to explore in greater depth specific topics in the field of sociology which are presented in the introductory sociology courses; provide other RCC departments with a variety of subject offerings designed to address problems, issues and concerns which are unique to their specific discipline; and provide flexibility in meeting elective sociology credits by allowing and encouraging students to research areas of sociology not currently taught in the sociology curriculum. Prerequisites: May vary depending on subject offerings.

#### SOC204 (4 credits) Introduction to Sociology

Examines the social contexts in which all human behaviors occur and the social forces that impact individuals. Surveys theories and sociological topics including culture, groups, socialization and deviance. Emphasis is on applying the sociological perspective, the social construction of reality and the institutionalized stratification of U.S. society by gender, race, class and sexuality. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement score.

#### SOC205 (4 credits) American Society

Examines the organization of various American social institutions such as family, education, religion, politics, health care, criminal justice, media and economics, and analyzes distinctive features and how each are changing. Each social institution is examined in relation to how social class, gender and racial inequalities manifest, and how inequalities are perpetuated. Social change and social movements are also studied. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement 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, whitecollar crime, family violence, sexual variance, drug subcultures, cults, and social activism leading to positive social change. Prerequisite: BT113 or WR115 or designated placement score. Recommended prerequisite: SOC204.

## SOC213 (4 credits) Race and Ethnicity in the U.S.

A sociological examination of the various social, political, historical, economic and legal forces affecting diverse racial and ethnic groups in the U.S. This includes an analysis of American history, families, housing, education, employment and immigration patterns and racial and ethnic interactions. Includes a focus on the intersection of race, gender and social class and on social movements that have worked to counter inequalities. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: WR115 or BT113 or designated placement 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. The course emphasizes the ways in which gender intersects with race, social class and sexual orientation. The focus is primarily on U.S. and Western societies, with some cross-cultural material. Fulfills cultural literacy requirement within the Associate of Arts Oregon Transfer degree. Prerequisite: BT113 or WR115 or designated placement score.

## SOC221 (4 credits) Juvenile Delinquency

Presents a philosophical, historical, and practical survey of juvenile justice administration in the United States. 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. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

#### SOC225 (4 credits) Social Problems and Solutions

Introduces students to various social problems in the U.S. from a sociological and global perspective. Social problems covered may include social inequalities, war, climate change, disinformation, health issues, crime and deviance, affordable housing and poverty. A focus on solutions will include a study of effective public policies employed by societies around the world. Major theories of sociology are introduced and applied. Prerequisite: WR115 or BT113 or designated placement score.

## SOC228 (4 credits) Environment and Society

Examines the relationship between societies and the environment including how cultural, social, economic and political forces have impacted the natural environment. Explores the causes and consequences of topics such as population growth, consumerism, climate change, pollution and environmental racism and classism. A focus will be placed on the study of social movements, cultures and public policies that advance sustainability, including Indigenous cultures. Prerequisite: WR115 or BT113 or designated placement score.

## SOC230 (4 credits) Introduction to Gerontology

Introduces students to the field of gerontology and explores the relationships between the aging individual and society. Prerequisite: WR115 or BT113 or designated placement score.

### SOC235 (4 credits) The Chicano/Latino Historical Experience

Examines the diversity that resides within the Chicano, Mexicano, Latino, Hispanic and Caribbean cultural experience in the Americas, beginning from pre-Columbian times to the present. Covers pre-Columbian heritage, Spanish colonization, American conquest in the Mexican-American War and the Spanish American War, the Mexicans' role in American labor, 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. Dual numbered as HST259. Prerequisite: BT113 or WR115 or designated placement score.

### SOC237 (4 credits) Communication, Relationships and Technology

Introduces students to the personal and social perspectives of communicating through technology and focuses on the implications of computer-mediated communication. Current themes and theories focusing on the use of technology to communicate within relationships and to gain access to resources such as health care and education are introduced and applied. A variety of topics will be explored, including online relationships, social interactions, the workplace, web-based instruction, impression management, therapy and health care. Concepts such as ethics, confidentiality, accessibility, identity, trust, and global implications will be explored. Prerequisite: WR115 or BT113 or designated placement score.

## SOC243 (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 CJ243. Prerequisite: WR115 or designated placement score.

#### 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 CJ200. Prerequisite: WR115 or designated placement score. Recommended prerequisite: LIB127.

### SOC280 (variable credits) Cooperative Work Experience / Psychology

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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: CWE courses require prior arrangements with faculty or the Department Chair.

## SPAN - SPANISH

## Lower Division Collegiate

### SPAN101 (4 credits) First Year Spanish I

Introduces basic skills in Spanish in speaking, writing, reading, and aural comprehension to the Novice Mid level. 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). Course not suitable for heritage speakers. Prerequisite: WR115 or designated placement score.

#### SPAN102 (4 credits) First Year Spanish II

Introduces basic skills in Spanish in speaking, writing, reading, and aural comprehension to the Novice High level. 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). Course not suitable for heritage speakers. Prerequisites: WR115 or designated placement score and SPAN101 or equivalent Spanish experience. Corequisite: WR121.

#### 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). Course not suitable for heritage speakers. Prerequisites: WR121 or designated placement score and SPAN102 or equivalent Spanish language experience.

## 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 listening comprehension to the Intermediate Mid level. Special attention is given to developing cultural awareness. Students are required to communicate in Spanish. Materials include literary and cultural texts, audio exercises, films, music, and contextualized exercises in grammar. The sequence enables students to read at least intermediate-mid proficiency as defined by the guidelines of the ACTFL (American Council on the Teaching of Foreign Languages). Prerequisites: WR115 or designated placement score, two years of high school Spanish, or successful completion of SPAN103, or equivalent Spanish language experience. Corequisite: WR121.

## 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 listening 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, music, and contextualized exercises in grammar. The sequence enables students to read at least intermediatemid proficiency as defined by the guidelines of the ACTFL (American Council on the Teaching of Foreign Languages). Prerequisites: WR121 or designated placement score, and SPAN201 or equivalent Spanish language experience.

## 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 listening 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, music, and contextualized exercises in grammar. The sequence enables students to read at least intermediatemid proficiency as defined by the guidelines of the ACTFL (American Council on the Teaching of Foreign Languages). Prerequisites: WR121 or designated placement score, and SPAN202 or equivalent Spanish speaking experience.

## SRV - SERVICE LEARNING

#### **Career and Technical Course**

#### SRV101 (variable credits) Service Learning

Develops a personal understanding of civic engagement via direct service to a community-based organization and through critical reflection. Students may propose service projects of their own design or may choose from a list of available projects. Course emphasis is on participating in activities that address identified community needs while developing academic skills and self-awareness. Prerequisites: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement scores.

## TA - THEATER ARTS

#### Lower Division Collegiate

## 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 the class.

#### TA142 (4 credits) Fundamentals of Acting II

Builds on methods and techniques of acting as an art form introduced in TA141. Scene work is included and performance is part of the class. Prerequisite: TA141.

#### TA143 (4 credits) Fundamentals of Acting III

Continues developing methods and techniques of acting, growing towards a deeper understanding and proficiency in the art form. Scene work is included and performance is part of the class. Prerequisite: TA142.

## TA144 (4 credits) Improvisational Theater I

Introduces methods and techniques of the art of improvisation through exercises, theater games, and impromptu scenes. Performance is part of the class.

## TA145 (4 credits) Improvisational Theater II

Builds on methods and techniques of the art of improvisation introduced in TA144 through exercises, theater games, and impromptu scenes. Performance is part of the class. Prerequisite: TA144.

#### TA146 (4 credits) Improvisational Theater III

Continues developing methods and techniques of improvisation, growing towards a deeper understanding and proficiency in the art of improvisation through exercises, theater games, and impromptu scenes. Performance is part of the class. Prerequisite: TA145.

#### TA153 (4 credits) Theater Rehearsal and Performance

Provides experience in rehearsing and performing plays as a member of the design, technical crew, or acting ensemble. Students will be evaluated on their artistic or energetic merit, their level of understanding of the work they are doing as it relates to theater arts, and their increasing insights into the collaborative process of producing plays.

#### TA190 (variable credits) Theater Practicum

Allows students to receive credit for working on college theater productions. Students will be required to participate in a formal theater production in one or more of the following areas: acting, stage or house management, technical theater, directing, marketing, costume and/or makeup. Participation during the theater event is required for credit. Course may be repeated for up to 6 credits.

#### TA199 (variable credits) 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. Prerequisite(s): Varies by course.

#### TA280 (variable credits) Cooperative Work Experience / Theater

Cooperative education is a supervised program of on-the job training for college credit in a Theater-related area. Students are placed in a related industry, business, agency or organization which has been approved by the College as having the interest, personnel, and resources to serve as a training center. The goal of cooperative education is to provide a learning experience which enriches and strengthens the student's education, personal development, and vocational preparation. It joins educators and employers in developing the community's greatest assetits human resources. Prerequisite: CWE courses require prior arrangements with faculty or the Department Chair.

## WLD - 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, and Shielded Metal Arc Welding, with emphasis on safety. Prerequisite: WLD101.

#### 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. Course also introduces students to blueprint and drawing techniques which will be built upon with additional modules in the program. Dual numbered as MET105. Recommended prerequisite: MTH63.

## WLD111 (6 credits) Technology of Industrial Welding I

Covers the fundamentals of welding as required by the metal fabrication industry. Provides extensive handson 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. Prerequisite: Permission of Instructor.

#### WLD111D (6 credits) Technology of Industrial Welding for Diesel

Covers the fundamentals of welding required by the metal fabrication industry. Diesel students will be introduced to the principles of electric and gas welding and cutting. Prerequisite: Must be currently enrolled in a Diesel Technology program.

#### 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. Prerequisite: Must be currently enrolled in a Manufacturing Technology program.

## 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. Prerequisite: WLD111.

## 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: WLD112.

#### WLD121 (5 credits) Fabrication and Repair Practices I

As the first of a series of two fabrication and repair courses, students are given a fundamental overview of the various fabrication and repair practices used in the steel fabrication industry, and safety in welding and fabrication. Course is based on the American Welding Society Entry Level Requirements (AWS EG2.0 and AWS QC10) utilizing the instructor's experience, in accordance with the American Welding Society AWS D1.1 (Structural Welding Code – Steel). 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. Shop math, distortion control, how to use squares, protractors, levels, clamps and string lines used in the fit-up process are also taught. Prerequisites: WLD111, MET101. Corequisite: MET140.

## WLD122 (5 credits)

Fabrication and Repair Practices II As the second of two fabrication and repair courses, WLD122 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. 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, MET101.

#### WLD123 (6 credits) Aluminum Boat Building I

First in a three-course series on aluminum boat building. Students will cover basic terminology associated with aluminum boat manufacturing. Boat layout, metal forming and basic welding techniques utilizing the Gas Metal Arc Welding process in the flat and horizontal position will be covered. Material identifications, applications and dimensions will also be covered. Prerequisite: WLD111M or WLD250D.

#### WLD124 (6 credits) Aluminum Boat Building II

Students will build on Aluminum welding skills started in WLD123. Fillet welds in the vertical and overhead using GMAW and GTAW processes. Further understanding of boat structure will be derived through pattern development and forming of components in this class. Students will gain exposure in finishing processes that provide protection and aesthetic elements to a boat. Prerequisite: WLD123.

## WLD125 (6 credits) Aluminum Boat Building III

Third in a three-course series. Students will build on aluminum welding skills covered in WLD123 and WLD124. An understanding of applicable maritime codes, jurisdictional control, and project planning will give students a window into basic management areas necessary in the operation of boat manufacturing entities. Scale model boats will be manufactured as the first step in consolidating all areas covered in previous instructional levels followed by the manufacture of a full size sport boat to round out the student experience. Prerequisite: WLD124.

## WLD160 (1 credit) American Welding Society 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, GTAW and/or SMAW Unlimited Tests. If passed successfully, students will be awarded the AWS Unlimited 3G and 4G all position welding qualification. Prerequisite: WLD112.

## WLD199 (variable credits) Special Studies in Welding

Provides study for students in technical programs to areas linked to industry. State-of-the-art equipment is used for industry standard-level instruction. Prerequisites: May vary depending on subject offerings.

#### 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: WLD113.

## 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. Prerequisites: WLD111, WLD112, WLD113, WLD211.

#### 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.

## 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 or MTH63 or designated placement score, WR121 or BT114 or designated placement score, 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 or designated placement score, and MTH20 or higher-level math or designated placement score.

#### WLD250A (2 to 6 credits) Selected Topics in Welding: FCAW

Focuses on further development of skill in Flux Cored Arc Welding (FCAW) as identified by the student and instructor. An individualized plan will be developed to further the students' technical and practical application of self-shielded and/ or gas shielded flux core welding in all positions on carbon steel. Prerequisite: Student must be an Industrial Welding Technology major.

#### WLD250B (2 to 6 credits) Selected Topics in Welding: GTAW

Further development of skill in Gas Tungsten Arc Welding (GTAW), as identified by the student and instructor. An individualized plan will be developed to further the students' technical and practical application of GTAW on, but not limited to: mild steel, stainless steel, and aluminum. Prerequisite: Student must be an Industrial Welding Technology major.

#### WLD250C (2 to 6 credits) Selected Topics in Welding: SMAW

Course focus is on further development of skill in Shielded Metal Arc Welding (SMAW) as identified by the student and instructor. An individualized plan will be developed to further the students' technical and practical application of self-shielded and/or gas shielded flux core welding in all positions on carbon steel. Prerequisite: Student must be an Industrial Welding Technology major.

#### WLD250D (2 to 6 credits) Selected Topics in Welding: GMAW

Focuses on further development of skill in Gas Metal Arc Welding (GMAW) as identified by the student and instructor. An individualized plan will be developed to further the students' technical and practical application of gas metal arc welding in all positions on carbon steel and aluminum. Prerequisite: Student must be an Industrial Welding Technology major.

#### WLD250F (2 to 6 credits) Selected Topics: Welding Capstone Project

Designed to build on trade related practices such as welding, project design, layout, project finishing, planning and estimating. Students will utilize the aforementioned areas to independently complete a project to meet requisite hours for the class. Applicable welding processes may be GTAW, FCAW, GMAW and SMAW. Students will complete a detailed planning packet with drawings, schedules, pricing and inspection points where grades will be derived. Prerequisites: WLD113 and student must be an Industrial Welding Technology major.

#### WLD250P (3 credits) Selected Topics: CNC Plasma Cutting

Introduces students to the basics of CNC plasma cutting. Participants will learn operation and set-up procedures for CNC plasma as well as geometry creation and programming. This course is recommended for anyone interested in CNC plasma cutting for industry applications or artwork. Prerequisites: MTH60 or MTH63 or designated placement score, and WLD112. Recommended prerequisite: MFG140.

## WLD260 (1 credit) American Welding Society 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 6G welding certification. Prerequisite: WLD212.

#### WLD280 (variable credits) Cooperative Work Experience / Welding

Cooperative Work Experience is an educational program that enables students to receive academic credit for onthe-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. Prerequisite: As a capstone course, it should be completed within the last two terms of a certificate or degree program. CWE courses require prior arrangements with faculty or the Department Chair.

## WR - WRITING

# Lower Division Collegiate (except where noted)

#### WR90 (4 credits) Fundamentals of Composition

Introduces the basic five-paragraph essay form while reinforcing sentence skills and paragraph development. Critical thinking and reading are emphasized. Prepares students for transfer-level coursework and, specifically, for WR115. If a high proficiency is demonstrated with in-class writing and student self-identifies as challenging WR115, there is a process that allows students to meet the outcomes for WR115 and be eligible to enroll in WR121. When taken with RD90, course equivalent to WR91. Course is graded on a pass/no pass basis. Prerequisite: Designated placement score. Course does not transfer.

#### WR91 (5 credits) Fundamentals of Academic Literacy

Combines reading and writing requirements in order to accelerate progress and prepare students for transfer-level coursework and, specifically, for WR121. If a student in this course demonstrates a high proficiency with inclass writing and meets the course learning outcomes, the student may be able to register for WR121 (waiving WR115 placement). Each student is required to attend a lab session two hours a week. An embedded tutor will provide additional support during class and lab sessions. Course equivalent to RD90 and WR90, and graded on a pass/no pass basis. Course does not transfer. Prerequisite: Placement into WR90 and RD90. Course does not transfer.

## WR110 (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: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score.

#### 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: RD90 and WR90 or WR91 (WR91 substitutes for both RD90 and WR90) or designated placement score.

#### 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. Prerequisite: WR115 or designated placement score.

## 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. Prerequisite: WR121 or designated placement score.

#### WR199 (variable credits) Special Studies: Writing

Explores special topics in writing, including novel and journal writing as well as discipline-specific discourse conventions and professional preparedness. Prerequisite: WR115 or designated placement score.

## WR227 (4 credits) Technical Writing

Teaches students to communicate technical information in an accurate, detailed, formal, and functional way. Students will learn to make decisions about the purpose, audience, organization, and design of technical documents and presentations. This course emphasizes a problem-solving approach to technical communication, whether in oral, written, or visual form. The course provides students with the knowledge and opportunity to research and write a professional technical manuscript, analyze workplace situations requiring technical investigation, and deliver an oral presentation using PowerPoint software to an audience. WR227 is offered both in a computer lab classroom and online. Prerequisites: BA131 or CIS120 or documented proficiency and BT114 or WR121 or designated placement score. Recommended prerequisites: Public speaking ability is an asset; and CIS125WW and graphics ability or desktop publishing skills.

#### 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. Prerequisite: WR115 or designated placement score.

## 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. Prerequisite: WR241.

## WR243 (4 credits) Imaginative Writing III

Completes the year of imaginative writing, building on WR241 and WR242 and offering students further 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. Prerequisite: WR242.

# **Governance and Foundation**

## **Board of Education**

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**Pat Fahey** Zone 2, Josephine County

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Maria Ramos Underwood Zone 7, Jackson County

## Administration

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Juliet Long Vice President, Student and Academic Affairs

Lisa Stanton Vice President Operations and Finance Chief Financial Officer, College Services

Jamee Harrington Vice President, People, Culture and Safety / Chief Human Resources Officer

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Jodi Simons, Interim Executive Director

# Management, Faculty, and Staff

## www.roguecc.edu/Directory

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Transition Specialist, TRiO-ROC (Rogue Opportunity Center); B.A., English and Secondary Education, University of North Dakota, Grand Forks, ND, magna cum laude, 2003; M.A., Counseling, University of North Dakota, Grand Forks, ND, 2013

## Tamara Adams

Textbook Acquisition Specialist and Test Proctor, Academic Success; A.A.O.T., Business & Education, Rogue Community College, Grants Pass, OR, 2013; B.S., Innovation & Leadership, Southern Oregon University, Ashland, OR, magna cum laude, 2018

## **Corrie Alexander**

Faculty, Science; B.S., Biology, Oregon State University, Corvallis, OR, 2000; M.S., Science Education, Oregon State University, Corvallis, OR, 2002; M.S., Biology, University of Nebraska, Kearney, NE, 2015

## **Richard Amneus**

Contract Specialist, Contract and Procurement; B.S., Marketing/Advertising, Indiana University, Bloomington, IN, 1981; Certified Professional Buyer, 2019

## Kati Averyt

Director, HR and Payroll, Human Resources; B.S., Business Administration and Management, Western Governors University, Salt Lake City, UT, 2017; M.S., Management and Leadership, Western Governors University, Salt Lake City, UT, 2018; AA, General Studies, Rogue Community College, Grants Pass, OR, 2009

## **Dillon Ayers**

Media Specialist II, Instructional Media; A.A.O.T., Rogue Community College, Grants Pass, OR, 2012; B.S., Criminal Justice Southern Oregon University, Ashland, Oregon, 2017

## **Robert Bagwell**

Instructor, Business Technology; B.S., Computer Science/Minor in Math, California State University, East Bay, Hayward, CA, 1985; M.B.A., University of Phoenix, San Ramon, CA, Honors, 1995; CIPP Privacy Credential - 2007

## Susan Bame

Resource Coordinator, Student Affairs; B.A., English Education and Business Education, Glenville State College, Glenville, WV, magna cum laude, 1978; M.A., Conflict Resolution, Antioch University McGregor, Yellow Springs, OH, 2001; Machine Shorthand, Stenotype Institute of Lima, OH, 1985

## Makiko Barrey

Faculty, Counseling; B.S., Psychology, Southern Oregon University, Ashland, OR, 2005; M.S., Applied Psychology: Mental Health Counseling, Southern Oregon University, Ashland, OR, 2008

## Marissa Barrientos Shepherd

Chemistry Instructor, Science; B.S., Chemistry, California Institute of Technology, Pasadena, CA, 2012; M.S., Chemistry, University of California, Riverside, Riverside, CA, 2015; Ph.D, Inorganic Chemistry, University of California, Riverside, Riverside, CA

## Lucia Bartscher

Human Resources Specialist, Human Resources; B.A., Communications, Loyola University, New Orleans, New Orleans, LA

## Katelyn Bender

Program Support Specialist, Apprenticeship; A.A.O.T., Rogue Community College, Grants Pass, OR, 2020

## **Mariane Berry**

Director, Business Office, Budget Services; B.A., Accounting, Seattle University, Seattle, WA, 1992, CTP (Certified Treasury Professional), 1996-2007

## **Robert Blevens**

Building and Grounds Maintenance, Facilities Management Planning and Construction

## **Mary Ann Blinkhorn**

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## Laura, Bowles

Program Coordinator III, College Now; B.S., Innovation and Leadership, Southern Oregon University, Ashland, OR, magna cum laude, 2021; A.A.S., Marketing, Rogue Community College, Grants Pass, OR, Phi Kappa Theta, President's List, 2013; A.A.S., Business Technology, Rogue Community College, Grants Pass, OR, Phi Kappa Theta, President's List, 2013

## Karl Brake

Faculty, Visual Arts and Design; A.A., Liberal Arts, College of Southern Idaho, Twin Falls, Idaho, 1981; B.F.A., Painting and Drawing, Boise State University, Boise, ID, magna cum laude, 1983; M.F.A., Drawing and Painting, Utah State University, Logan, UT, Vice-President's Fellowship for Creative Research and Activity, 1987; Graduate Scholar in Residence, Painting, School of Visual Arts, New York City, 1984

## Sheri Bransfield

Procurement Specialist, Contract and Procurement; A.A.S., Accounting, Rogue Community College, Grants Pass, Oregon, 1996; Business Assistant Certificate, Rogue Community College, Grants Pass, Oregon, 1996; Certified Professional Public Buyer, 2013

## Margaret Brewer

Full Time Faculty, Nursing (ADN); A.A.S., Nursing, Harry S Truman City College of Chicago, Chicago IL; B.S.N., Nursing Southern Indiana University, Evansville Indiana; M.S.N., Leadership, Nursing Leadership, Grand Canyon University, Phoenix, AZ; Post Graduate Certificate in Healthcare Simulation from Boise State University 2019

## Brenda, Bridges

Financial Aid Specialist, Financial Aid; B.S., Anthropology/Archaeology/Sociology, Willamette University, Salem, OR, Dean's List, 1991; M.A., Anthropology/Archaeology/Osteology, Oregon State University, Corvallis, OR, Dean's List

## Sara Bristol

Communications Strategist, Marketing; B.A., Communication/Journalism, Southern Oregon University, Ashland, OR, 1999

## Kari Brooks

Library Specialist 2-Circulation, Library Services; B.A., Cultural Anthropology, UCLA-University California, Los Angeles, Los Angeles, CA, 1988

## **Rachelle Brown**

Assistant to the President - Governance, President's Office; B.A., Communications- Media Studies, The Pennsylvania State University, University Park, PA, 2012

## Michael Bullard

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## Elijah Bunnell

Faculty, Mathematics; B.S., Mathematics, Southern Oregon University, Ashland, OR, 2006; M.S., Mathematics, Oregon State University, Corvalis, OR, 2009

## Jennifer Burkes

Administrative Assistant III, Academic Affairs; B.A., Writing and Literature, Southern Oregon University, Ashland, OR, 1996

## **Elizabeth Butler**

Internet Strategist, Marketing; A.G.S., Computer Science, Rogue Community College, Grants Pass, OR, 2016; Website Development, 2016; Website Design, 2016; Adobe Applications Technician, 2016; Digital Graphics Design, 2002

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Payroll Specialist, Human Resources; M.B.A., Southern Oregon Univeristy, Ashland, OR, Honor Society Phi Kappa Phi, 2016

## Jan Carpenter

Program Support Specialist V, Adult Basic Skills (ABS); A.G.S. Business, Front Range Community College, Fort Collins, CO, Phi Theta Kappa, 2012; A.G.S., Sociology, Rogue Community College, Grants Pass, OR, Honors, 2017

## Thayer Chandler

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Transition Specialist, TRiO-ROC (Rogue Opportunity Center); B.S., Environmental Studies, University of Central Florida, Orlando, FL; M.P.A., Public Administation, University of Montana, Missoula, Montana

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## **Andrew Childress**

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## Tiffany Clarkin

Faculty and Department Chair, Massage Therapy; B.A., Biology with Human Biology emphasis, California State University, Hayward, Hayward, CA, 1990; Physical Therapy Aide Certificate, 1985; Swedish Esalen Massage Certificate, 1993; Oregon Licensed Massage Therapist, 1994-2022; Medical Massage Therapist Certification, 2015

## Debora Coen

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## Forrest Denison

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## **Dean Denison**

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Career Pathway Coordinator, Allied Health Occupations and STEP

## Arlene Dowell

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## Curt Erikson

Faculty, Social Science and Human Services; Ph.D., Counseling/Psychology, Pacific States University in alliance with UC-San Diego, San Diego, CA, Beta Beta Beta Biological Honorary Fraternity, 1975; M.S., Counseling/Psychology, Chapman University, Orange, CA, 1970; B.S., Biology and Psychology, Northern Arizona University, Flagstaff, AZ, 1965; Licensed Psychology and Marriage Family Therapy, California, 1970 to present

## Frankie Everett

Director, Financial Aid; B.A., Health, Linfield College, McMinnville, cum laude, 2002; M.A., Teaching, Oregon State University, Corvallis, magna cum laude, 2003

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## **Kevin Fay**

Assistant-Lead/Electrician, Facilities Management Planning and Construction; General Journeyman Electrical License

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## **Michael Friesen**

Faculty, Industrial Welding Technology

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## Pamela Green

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## **Danielle Green**

Help Desk Technician, IT - Network Services; A.A., Computer Support Technician, Rogue Community College, Grants Pass, OR, 2012

### **Lindsay Griffiths**

Accounting Support Specialist, RCC Foundation

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## April Hamlin

Dean of Student Success, Student Affairs; B.A., Psychology, Seattle Pacific University, Seattle, WA, 1998; M.S., Education, Eastern Oregon University, LaGrande, OR, 2006; Massage Therapy, 2002;

## Sherrie Hamner

Maintanance/Custodian, Facilities Management Planning and Construction

## Heidi Lee Harless

Faculty and Department Chair, Visual Arts and Design; B.A., Humanities, San Jose State University, San Jose, CA, 1995; A.A., Visual Communications, Art Institute of Seattle, Seattle, WA, 1998; M.A., Teaching, Southern Oregon University, Ashland, OR, magna cum laude

### **Brett Harrington**

Transition Specialist, TRiO-ROC (Rogue Opportunity Center); B.A., Creative Writing and English Literature, University of Houston, Houston, TX, Howard Moss Poetry Prize, 2007; M.F.A., Creative Writing-Poetry, University of Arkansas, Fayetteville, AR, 2011; TESOL, 2014

## Jamee Harrington

Vice President, People, Culture, & Safety; B.S., Communication, with a minor in Gender, Sexuality, and Women's Studies, Southern Oregon University, Ashland, OR, cum laude, 2010; M.S., Management and Leadership, Western Governor's University, Salt Lake City, UT, 2017; Mediation & Conflict Resolution, 2010; Senior Professional in Human Resources (SPHR), 2017; Certified Labor Relations Professional (CLRP), 2019

## Gary Heigel

Faculty and Department Chair, Emergency Services; B.A., Human Resources George Fox University, Newberg, OR, 1992; M.Ed., Adult Education, Colorado State University, Fort Collins, CO, 2020; Paramedicine, Oregon Health Sciences University, Portland, OR, 1984; Paramedic, 1984; Critical Care Transport Provider, 2006; Certified Flight Paramedic, 2009

## **Eric Hennings**

Faculty, Automotive Technology; A.A.S., Automotive Technology, Universal Technical Institute, Phoenix, AZ, 1992; ASE Master Technician; ASE Advanced Engine Performance Specialist; Toyota Master Diagnostic Technician

## Jeanine Henriques, Ph.D.

Dean of Curriculum and Academic Support, Academic Affairs; Ph.D., Public Safety specializing in Criminal Justice, Capella University, Minneapolis, MN, 2010; M.A., Business/Organizational Leadership, Vanguard University of Southern California, Costa Mesa, CA, 2005

## **Diane Hoover**

Director, Workforce Trainiing and Continuing Education; B.A., Healthcare Administration, Oregon State University, Corvallis, OR, 1983; M.A., Public Administration, Old Dominion University, Norfolk, VA, 1991; Ph.D., Human Services, Capella University, Minneapolis, MN, 2008; LFACHE - Lifetime Fellow, American College of Healthcare Executives American Heart Association Basic Life Support (BLS) Instructor, 2021

## Virginia (Peggy) Hull

Faculty, Social Science and Human Services; M.Ed., English, Southern Oregon University, Ashland OR, summa cum laude, 1997; M.S.W., Social Work, Portland State University, Portland, OR, 2006

## Andrew Huston

Instructional Technology Administrator, Instructional Media; A.S., Computer Networking, Rogue Community College, Grants Pass, OR, 2004; PC Microprocessor Systems Technician, 2004

#### **Michael Hutchison**

Maintenance Custodian, Facilities Management Planning and Construction

#### Alan Jackson

Faculty, Computer Science; B.A., English Eduction with a minor in Theater Education, Whitworth University, Spokane, WA, 1994; M.B.A., Business Administration, Southern Oregon University, Ashland, OR, 2013; CISSP, 2015; CISM, 2017

#### **Amy Johnson**

Assistant to Dean, Student Success, Academic Affairs; A.A.0.T., Rogue Community College, Grants Pass, OR, 2014; B.S., Business Administration, Southern Oregon University, Ashland, OR, magna cum laude, 2021; Social/Behavioral/Educational Research

## **Kelly Johnson**

Outcomes & Assessment Specialist, Outcomes and Assessment; B.S., Organizational Communication, The University of Texas at Arlington, Arlington, TX, 1995

## Nikki Johnson

Director Advising & Military Services, Veterans Services; B.S., Business and Health & Physicial Education, Colorado Chrisitan University, Lakewood, CO, 1998; M.B.A., Business Adminstration, Northwest Christian University, Eugene, OR, 2016

## Wendy Jones

Risk Management Coordinator, Risk Management

## Jessica Jones

Financial Aid Specialist, Financial Aid; A.A.O.T., Oregon Tech, Klamath Falls, OR, 1996

## Alice Jordan

Administrative Assistant, Academic Affairs

## **Denise Kerr**

Data Management Specialist III, Curriculum/ Scheduling; A.A.S., Business Technology - Accounting Option, Rogue Community College, Grants Pass, OR, 2017; B.A., Speech Communication, Portland State University, Portland, OR, 1990

## **Nicole Kieffer**

Math Marvels Administrative Assistant III and Alpha Zeta Pi Advisor, Student Life; B.S., Sociology, Southern Oregon University, Ashland, OR, 2008; M.A., School Counseling, Northwest Christian University, Eugene, OR, 2012

## Nichol Koenig

Advising Case Manager, Student Affairs; A.A.S., Business, Rogue Community College, Grants Pass, OR, Phi Theta Kappa, 2009

## Jennifer Konarske

Faculty Coordinator Medical Assistant Program, Allied Health Occupations; B.S., Health and Physical Education, Southern Oregon University, Ashland, OR, summa cum laude, 2019; Certified Medical Assistant, 2015 - current

## Kristi Kowalski

Lead Instructor/Co-Coordinator, Adult Basic Skills (ABS); A.A.O.T., Rogue Community College, Grants Pass, OR, 1997; B.A., International Studies, George Fox University, Newberg, OR, cum laude, 1999; M.A.T., Southern Oregon University, Ashland, OR, 2007

## Sonya Lagorio

Accounting Specialist II, Accounts Receivable, Business Office

## Veronica Lambert

Program Support Specialist IV, Small Business Development Center (SBDC); A.A.0.T., Psychology, Rogue Community College, Grants Pass, OR, 2014; B.S., Psychology, Southern Oregon University, Ashland, OR, 2016

## **Frank Lauterio**

Facilities Maintenance/IPM Coordinator, Facilities Management Planning and Construction; A.A.O.T., Biological Sciences, Rogue Community College, Grants Pass, OR, 2019; Landscape Technician 2016

## Juliet Long

Vice President of Academic and Student Affairs/ CAO; B.S., Computer Science/CIS, Southern Oregon State College, Ashland, OR, magna cum laude, 1994; M.Ed., Educational Leadership, Concordia University, Portland, OR, 2019; M.A., Education, University of Phoenix, Tempe, AZ, 2001; Graduate Certificate in Community College Leadership, Higher Education Leadership, University of Nebraska, Lincoln, Lincoln, Nebraska, 2020

## Nicole Longoria

Student Employment Services Program Coordinator, Student Employment Services; B.S., Social Science, Western Oregon University, Monmouth OR, 2015

## Nichole Lott

Science Lab Coordinator, Science; B.S., Biology University of Oregon, Eugene, OR, 1999

## Cara Lumpkin

Assistant to the Vice President, People, Culture, & Safety; A.A., Business Administration, Rogue Community College, Grants Pass, OR; B.A., Business Administration, Washington State University

## Paula Lupini Brooks

Deans Assistant, Academic Affairs; A.G.S., Communications, Olympic Community College, Bremerton, WA, Phi Theta Kappa and National Dean's List, 2007; Business Assistant, Rogue Community College, 2013

## Marie Maguire-Cook

Department Chair, Testing Administrator, Academic Affairs; Ed.M., Education, Oregon State University, Corvallis, OR, magna cum laude, 2002; B.A., Business Management, Northwest Christian University, Eugene, OR, cum laude, 2000; A.A.S., Electronic Office Technology, Rogue Community College, Grants Pass, OR, 1996; Business Assistant, 1994; Legal Office Assistant, 1994

## **Tiffany Malsberger**

Transition Specialist, Admissions and Recruitment; A.A.O.T., Rogue Community College, Grants Pass, OR, Phi Theta Kappa, 2012; B.A., Human Services, Southern Oregon University, Ashland, OR, 2016

## Anna Manley

Support Specialist, Development and Resources, RCC Foundation; B.A., Business Administration, Vanguard University, Costa Mesa, CA, 1990; M.A., Educational Leadership, San Diego State University, San Diego, CA, 1996

## Ryan Maple

Faculty, World Language Department Coordinator, Humanities; B.A., English and Spanish, University of Oregon, Eugene, OR, cum laude, 1997; M.A., Spanish, University of Oregon, Eugene, OR, 2000

## Lorri Jo McIntosh

Practical Nursing Faculty, Practical Nursing; M.S., Nursing, University of Pheonix, Phoenix, Arizona; A.S.N., Nursing, Central Oregon Community College, Bend, OR

## Dave McKeen

Faculty and Department Chair, Electronics; A.A.S., Electronics Technology, Rogue Community College, Grants Pass, OR, Outstanding Student Award, 1995; A.S., Management, Northwest Christian College, Eugene, OR, summa cum laude, 1999; M.A., Adult Education, Oregon State University, Corvallis, OR, summa cum laude, 2003; International Society Of Certified Electronics Technicians (ISCET) Certification, 1996

## Rene, McKenzie

Director of Student Engagement, Student Affairs; B.A., Business Management, Northwest Christian College, Eugene, OR, magna cum laude, 2002; M.Ed., Adult Education, Oregon State University, Corvallis, OR, magna cum laude, 2008; Ph.D., Philosophy and Community College Leadership, Oregon State University, Corvallis, OR; Computer Analyst Certificate, 1992

## **Rosalyn Mendoza**

Registration Management Specialist, Enrollment Services; B.A., Spanish, University of Oregon, Eugene, OR, 2013

## Bridey Mendoza-Moore

Department Chair Early Childhood and Elementary Education; M.S., Early Intervention/Early Childhood Special Education, University of Oregon, Eugene, OR, 2001

## **Mary Middleton**

Department Coordinator, Mathematics; B.S., Mathematics, Fort Lewis College, Durango, CO, cum laude, 2001; M.S., Mathematics, University of Colorado, Colorado Springs, CO, 2003

## **Ryanne Mitchell**

Graphics Specialist, Marketing; B.F.A., Graphic Design/Illustration, Oklahoma State University, Stillwater, OK, 1996

## **Carmen Mons**

Dental Assistant Coordinator, Allied Health Occupations; B.S., Dental Hygiene, Oregon Institute of Technology, Klamath Falls, OR, magna cum laude; M.S., Higher Education with a Specialization in Integrative Studies, Capella University, Minneapolis, MN, President's List; Certified Dental Assistant through the Dental Assisting National Board
# **Catherine Murphy**

Facilities Office Coordinator, Facilities Management Planning and Construction

# **Deborah Murphy**

Faculty, Early Childhood & Elementary Education; B.S., Elementary Education and English, State University of New York, New Paltz, NY, 1975; M.Ed., Elementary Education, Specialization in Early Childhood Education, State University of New York, New Paltz, NY, 1977

# **Kevin Murphy**

Faculty, Mathematics; B.S., Eastern Oregon University, La Grande, OR, summa cum laude; Ph.D., Theoretical Chemistry, University of Georgia, Athens, GA

# Fiona Nevin

Transition Specialist, Admissions and Recruitment; B.A., Communication Oregon State University, Corvallis, OR, magna cum laude, 2018; M.A., Interdisciplinary Studies, Communication, History of Technology, Oregon State University, Corvallis OR, magna cum laude, 2020

# Katie Nollenberger

Lead Instructor, Adult Basic Skills (ABS); B.A., French, University of Oregon, Eugene, OR; M.A., TESOL (Teaching English to Speakers of Other Languages), Gonzaga University, Spokane, WA

# Joshua Ogle

Chief Information Officer; B.S., Business Information Systems, Southern Oregon University, Ashland, 2008; M.B.A., Organizational Behavior, Marylhurst University, West Linn, 2012

# Tracie Olsen

Program Support Specialist IV, Academic Success; A.A.O.T., Humanities, Rogue Community College, Grants Pass, OR, magna cum laude, 2008

# **Rachel Ostroskie**

Transition Specialist, Admissions and Recruitment; A.G.S., Rogue Community College, Grants Pass, OR, 2016; B.S., Innovation and Leadership, Southern Oregon University, Ashland, OR, summa cum laude, 2020

# Manuel "Manny" Pacheco Jr.

Human Services Coordinator, Faculty Social Sciences/ Human Services; B.S., Social Sciences/Human Services, Southern Oregon University 2008, Ashland, M.S., Mental Health Counseling, Southern Oregon University 2010, M.S., Master in Management, Southern Oregon University, 2021

# **Rose Passione**

Financial Aid Advising Coordinator, Financial Aid; B.A., Music, George Fox University, Newberg, OR, summa cum laude, 2004

# Ailym Pinero Requena

Latino Outreach & Recruitment Transition Specialist, Admissions and Recruitment; B.S., Medicine Central University of Venezuela, Caracas, Venezuela, 1984; A.G.S., Rogue Community College, Medford Oregon, 2019; CNA 2019

# Donna Plummer

Program Coordinator, STEP; A.A.S., Business Technology, Rogue Community College, Grants Pass, OR, Phi Theta Kappa, Alpha Zeta Pi, 2008; B.S., Business Management/Psychology, Southern Oregon University, Ashland, OR, 2013

# Melissa Polen

Faculty and Department Chair, Business Technology; B.S., Business Administration, Southern Oregon University, Ashland, OR, 2007; M.B.A., Marylhurst University, 2010

# Julie Raefield-Gobbo

Public Information Officer/Community and Government Relations Coordinator, President's Office; B.A., Psychology, University of San Francisco, San Francisco, CA, cum laude, 1982; M.A., Counseling Psychology, Loyola Marymount University, 1985; Experiential Psychotherapy Post-Graduate Training, 1985-1987; McGraw-Hill Supervisory Skill Training of Trainers Certificate, 1993

# George Razavinematollahi

Human Resources Specialist, Human Resources; A.S., Business Administration, San Diego Mesa College, San Diego, CA, 2016; B.S., Business Administration, Management of Human Resources and Organizational Behavior(HROB), California State University, Sacramento, Sacramento, CA, 2018

#### Iris Reagan

Faculty, Nursing (ADN); B.S.N., Science of Nursing, Southern Oregon University, Ashland, OR, Sigma Theta Tau, 1990; M.S., Science of Nursing and Health Administration, University of Phoenix, Pheonix, AZ, Sigma Theta Tau, 2005; M.A., Health Administration, University of Phoenix, Tempe, AZ, Sigma Theta Tau, 2005

# **Michelle Rhodes**

Assistant, Dean of Curriculum and Academic Support, Academic Affairs; A.A.S., Business Technology, Rogue Community College, Grants Pass, OR, 2013; Business Assistant, 2013; Small Business Management, 2013

# Pete Ridgeway

Faculty and Department Chair, Automotive Technology; A.A.S., Automotive Technology, Rogue Community College, Grants Pass, OR, 1992; A.S.E. Master Technician

# **Rusty Riis**

EMS Clinical Coordinator, Emergency Services; B.S., Emergency Medical Services Administration, Eastern Oregon University, La Grande, OR, 2022; A.A.S., Paramedicine, Rogue Community College, Grants Pass, OR, 2010

# **Daniel Rodriguez**

Maintenance Technician, Facilities Management Planning and Construction; B.S., Business and Management, University of Redlands, Redlands, CA, 1992; A.S., Photography, San Bernardino Community College, San Bernardino, CA

# **Clyde Rounds**

Groundskeeper, Facilities Management Planning and Construction; A.A.S., Computer Technology, Rogue Community College, Grants Pass, OR, Phi Beta Kappa, 2015

# Chiharu Sai

Faculty and Music Coordinator, Humanities; D.M.A., Manhattan School of Music; M.M., Arizona State University; B.M. Willamette University

# Nicole Sakraida

Director, Admissions and Recruitment; B.A., Spanish, Seattle University, Seattle, WA, 2004; M.Ed., Universidad San Francisco de Quito, Quito, Ecuador, 2007

# Terrie Sandlin

Outcomes and Assessment Coordinator, Teaching and Learning Center (TLC); M.Ed., Education and Human Resource Studies, Colorado State University, Fort Collins, CO, summa cum laude; B.S., Criminal Justice, Southern Oregon University, Ashland, OR, summa cum laude

# Jim Shaw

Faculty/Advisor, Emergency Services; A.S., Emergency Medical Technology-Paramedic, Rogue Community College, Medford, OR, 2003; B.S., Public Safety, Emergency Management, Capella University, Minneapolis, MN, summa cum laude, 2015

# Jodi Simons

Interim, Executive Director, RCC Foundation; B.A., Psychology & Sociology, Oregon State University, Corvallis, OR, 2000; Ed.M., Adult Education and Higher Ed Leadership, Oregon State University, Corvalis, OR, 2013

# Laura Smith

Science Lab Technician II, Science; B.S., Forestry and Wildlife Management, Virginia Tech, Blacksburg, Virginia, 1990; M.S., Forestry - International Resource Conservation and Development, University of Montana, Missoula, MT, 1998; Professional Farrier Certification, 2003

# Helaine Smith

Faculty, Science; M.S., Environmental Education, Southern Oregon University, Ashland, OR, 2009; B.S., Biology, Southern Oregon University, Ashland, OR, 2000; B.S., Environmental Studies, Southern Oregon University, Ashland, OR, 2000

# David Snell

Instructional Systems Specialist, Outcomes and Assessment; B.A., Creative Writing, Pacific University, Forest Grove, OR; M.Ed., Instructional Design, Western Oregon University, Monmouth, OR

#### Sally Snyder

Assistant to the VP of Student Affairs; B.A., Theater Arts, University of Oregon, Eugene, OR, 1993

# Lisa Stanton

Vice President of Operations and Finance; B.A., Accounting, University of Portland, Portland, OR, 1995; M.B.A., Business, Northwest Christian University/Bushnell, Eugene, OR, Sigma Beta Delta, 2013

# **Rebecca Steen**

Transfer Advisor, TRiO-SSS (Student Support Services); M.Ed., Health and Wellness Education, American College of Education, summa cum laude, 2021

# Lynda Surran

Accountant II, Budget Services; B.A., Journalism, University of Oregon, Eugene, OR, 1980

#### **Ruth Swain**

Director, RCC Small Business Development Center (SBDC); B.A., Business Marketing General Studies, Eastern Washington University, magna cum laude; Certified Fund Raising Executive (CFRE); Certified Growth Wheel Adviser

# Sean Taggart

Director of Risk Management and Deputy Title IX Coordinator, Risk Management; M.S., Security Studies, Angelo State University, San Angelo, TX, 2016; B.S., Criminal Justice, Sam Houston State University, Huntsville, TX, cum laude, 2014; Certified Protection Professional

# Laurie Taylor

Administrative Assistant III, Advising; A.G.S., Rogue Community College, Grants Pass, OR, 2020

# Julie Toledo

Faculty, Allied Health Occupations; B.A., Geography, Southern Oregon University, Ashland, OR, 2000; M.A., Career and Technical Education, Concordia University, Portland, OR, 2021

# Ann-Margret Trausch

Faculty, Electronics Technology; Ph.D., Higher Education Administration, Capella University, Minneapolis MN, 2008; M.A., Industrial Technology/Education, Humboldt State University, Arcata, CA, 1992; B.S., Industrial Technology, Humboldt State University, Arcata, CA, 1990; Instructional Design for Online Learning, 2005; Human Performance Improvement and Training Systems, 2006; International Society of Certified Electronics Technicians, 2007

# Verne Underwood

Faculty and Department Chair, Humanities; B.A., English, University of Oregon, Eugene, OR, Phi Beta Kappa, 1987; M.A. English, University of Oregon, Eugene, OR, 1989; Ph.D., English Renaissance Literature, Arizona State University, Tempe, AZ

#### Darren Van Lehn

Athletic Director, Athletics; B.S., Sociology & Human Communication, Southern Oregon University, Ashland, OR, magna cum laude, 2007; M.S., Sports Management & Athletic Administration, Southern New Hampshire University Online, summa cum laude, 2017

# Suzanne VanBuren

Faculty, Nursing (ADN)

# Svetlana Varner-Garske

Faculty, Mathematics; B.S., Applied Mathematics, Chernivtsi State University, Ukraine; M.S., Applied Mathematics, Chernivtsi State University, Ukraine

#### Cessa Vichi

Library Circulation Services Coordinator, Library Services; A.G.S., Two-Dimensional Art, Rogue Community College, Grants Pass, OR, 1985

#### Sarah Vining

Faculty, Nursing (ADN); A.A.S., Nursing, Kirkwood Community College; B.S.N., Nursing, Grand Canyon Univeristy; MSN-Ed., Nursing Education, Grand Canyon University

#### Shannon Wade

Accounting Specialist III – Lead, Accounts Payable, Budget Services; A.A.S., Office Technology, Accounting, Rogue Community College, Grants Pass, OR, 2000; Office Assistant Certificate, 1999

#### Melissa Weast

Support Services Specialist V, Nursing (ADN); A.A.S., Criminal Administrative Management, Oregon Institute of Technology, Klamath Falls, OR, 1985

# **Randy Weber**

RCC President, President's Office; A.S., Health, Physical Education, Barton County Community College, Great Bend, KS, 1998; B.S., Sport Management, University of Kansas, Lawrence, KS, 2000; M.S.E., Sport Administration, University of Kansas, Lawrence, KS, 2003; Ed. D., Educational Leadership, Baker University, Baldwin, KS, 2009

# **Catherine Whitsel**

Administrative Assistant, Enrollment Services

#### **Barbara Wicks**

Student Records Specialist, Enrollment Services; A.A.O.T., Rogue Community College, Grants Pass, OR, 1995; B.S., Environmental Studies, University of Oregon, Eugene, OR, 1998

# Marita Wilder

Data Management Specialist II - Curriculum and Scheduling; B.A., California State University Northridge, Northridge, CA, 2013

# Ted Willhite

Faculty, Business Technology; B.S., Chemistry, University of California Berkeley, Berkeley, CA, graduated with honors, 1974; M.B.A., Finance, Santa Clara University, Santa Clara, CA, graduated with honors, 1984

# **Richard Charles Williams**

Faculty, Humanities; B.A., Political Science, International Relations Emphasis, CSU Northridge, Northridge, CA, 1989; M.A., English, American Literature and Composition, Humboldt State, Arcata, CA, 1998; M.A., Religious Studies, University of Wales, Trinity Saint David, Lampeter, Wales, UK, 2012

# Sarah Wofford

Accounting Specialist II, Accounts Receivable, Budget Services; A.G.S., Rogue Community College, Grants Pass, OR, PTK, 2011; B.A., Marketing Management, Western Governors University, Salt Lake City, UT, 2020; Bursar, 2019

#### Angelica Woods-Reuter

Administrative Assistant II/Call Center, Marketing; A.A.0.T., Rogue Community College, Grants Pass, OR, Alpha Zeta Pi, 2009; A.G.S., Rogue Community College, Grants Pass, OR, Alpha Zeta Pi, 2008

#### Christina M. Wooten

Faculty, Business Technology

# **Bernyne Wright**

Financial Aid Advisor, Financial Aid; A.A.S., Business - Accounting, Rogue Community College, Grants Pass, OR, 1999

# **Colletta Young**

Director, TRIO/SSS University Transfer; B.S., Home Economics Education, Abilene Christian University, bilene, TX, 1978; M.Ed., Counseling Psychology, West Texas A&M University, Canyon, TX, 1988; Ph.D., Educational Leadership, Gonzaga University, Spokane, WA, 2003

# **Adjunct faculty**

Rogue Community College values the contributions of its many adjunct faculty members who may serve as tutors, instructors, counselors, coordinators, or lab assistants.

Adamo, Marty Adams, Joyce Allphin, Josh Arbogast, Pamela Armstrong, Frank Arriola, Megan Atkins, Brandon Augustine, Al Baker, Johnny Ballou, Brian Barajas, Maria Barber, Catherine Barber, John Barker, Becky Barr, Sadie Battrick, Maria Baumer, Christopher Beck, Stacey Bennington, Brad Benson, Kim Berg, Glenn Bharucha, Gulestan Black, Miranda Bloom, Julia Blum, Rich Bohn, Larry Boothroyd, Paul Boyd, Ben Boyersmith, Steve Bradshaw, Lisa Brand, Jillease Brockman, Jane Brons, Rene Browning, Chase Bryan, Ben Buckland, Steven Bull, Genee Busald, Timothy Bushman, Sage Bussell, Dana Bustard, Aaron Callies, Katy Cantwell, Roger Carbin, Natasha Carlile, Galyn Carlino, Steven Castellon, Regina

Ceron, Herminia Chandler, Greg Chandler, Jasmyne Cole, Sandy Collins, Kenneth Collonge, Carrie Cook, Daniel Corliss, Dorian Cort, William Cox, Michael Cranford, Ace Crawford, Allen Crawford, Sharon Culhane, Kevin Daugherty, Chelsea Davila, Victor Davis, Sharon De Lisle, Tim DeHarty, Jordan Delonge, Randy Dempsey, Kaitlyn Dennis, Kesley DePuy, Gene DeSimone, Gary Deupree, Cameron Doersch, George Dooly, Robert Dorigan, Thomas Droesch, Peter Due, Delaine K Dunn, Talley Dusenbury, Gina Elworthy, Felicity Eufusia, Jennifer Evans, Michael Evans, Ryan Fabian-Krause, Marty Fazio, Michael Feetham, Mandi Feldman, Caleb Fernandez, Rogelio Fiore, Donna Foster, Kathleen Franchini-Smith, Anne-Marie Freeman, Justa Fricke-Gostnell, Kiersta Gallas, Diane

Garretson, Galen Gentile, Francine Getsinger, Philip Gettman, Dennis Gobel, Victor Goerisch, Hayley Goldenberg, Robert Goodboe, Ed Gordon, Court Graham, Shaylee Green, Randy Greist, Paula Griffis, Cindy Griffiths, Hugh Grissom, Brandon Gronemyer, Kathryn Gulrich, Paul Gunson, Frances Hale, Aina Hamblin, Chelsea Hamilton, Lori Hamilton, Susan Hansen, Corey Hansen, Evalyn Hardy, Liz Hauser, Cindy Haynes-Clark, Jennifer Headings Calderon, Gabrielle Hebert, Joe Heckert, Else Heinsohn, Trevor Helard, Ted Henderson, Duane Henderson, Ralph Herrera, Tony Hertel, Holly Hickman, Margueritte Higgins, Richard Hilliker, Matt Hirunpugdi, Brent Hobbs, David Hoeber, Joann Hohl, Shelly Holben, Matt Holliday, Natalie Holst, Steve Holub, Rose

The following are faculty who were contracted to teach part-time in 2021-22.

Hopkins, William Horton, Raelyn Houck, Kendall Huddleston, Mark Huggins, Kierra Hyatt, Joe Ibarra, Martha Inglehart, James Jackson, Jenny Jarvie, Noah Johnsen, Jami Johnson, Shirley Jones, Brandon Jones, Chris Kai, Irene Kalman, Jesse Kamery, Amanda Kasiah, Jacob Katorcha, Elizaveta Kerr, Erin Kitson, Ryan Klam, Genevieve Klise, Melissa Knight, Jeremy Kowalski, Thomas Kramer, Lutz Krausser, Joann Kuhs, Grover LaCoste, Rod Laney-Jarvis, Mickey Larive, Catherine Lasnik, Vincent Leavitt, Felicia Lebowitz, Daniel Leonhardt, Ellie Lesh, David Longo, Mike Lozano, Gabriela Lynam, Paula Mahfouz, Melissa Majkut, Chelsea Mannenbach, Robert Martin, Richard Martin-Sherman, Haley Masters, David Mattson, Clayton Mau, James

McAlmond, Russell McClain, Jessica McNellis, Brenda Medina, Rosario Mendoza, Marisela Micke-Johnson, Eileen Miller, Justin Miller, Kris Miller, Kyle Miller, Susan Miller, Tamlynn Mitchell, Michelle Mitchell, Sandra Mount, Caryne Nasholds, Wade Nelson, Christine Nelson, Jeremy Niedermeyer, Crystal Nielson, Kay Norwood, Suzanne Nowak, Rhonda Nye, Petra F Ortis, Leland Osborne, Travis Osorio, Cassandra Ostrowicki, Jeremy Otto, Jove Otto, Mark Owens Oas, Derek Page, Deborah Palanjian, Theresa Parker, Lauren Patel, Anuj Patryson, Trysha Paul, Ken Pawol, Aaron Pemberton, Eric Penicook, Dave Perkins, Douglas Perkins, Tom Perry, Sadie Peterkin, Karen Peterson, Paula Petitt, Bill Petitt, Virginia Petronella, Jeremy Phenix, Charles

Pierce, Robert Pleasant, Karen Poll, Robert Porter, Diana Powell, James Preston, Debbie Prusko, Kristopher Quinn, Kellie Raber, Travis Reid, Kerith Renfro, Richard Richards, Jennifer Richardson, Regina Rigaud, Brandon Robinson, Eveline Roeloffs, TaiLese Rogers, Chas Romero, Candelaria Roseborough, Michael Rountree, Monica Rufener, Todd Ryerson, Kristin Saada, Fred Saleska, Heidi Salisbury, John Sandberg, Heather Sanderson, Cynthia Sanford, Scott Sauro, Dennis Schmidt, Sharon Schmidt, William Scofield, Janelle Sharp, Bracken Sharp, Manuel Smith, Joshua Smith, Kilee Smith, Larry Smith, Moreland Snodgrass, Jerry Snyder, Sammi Sorenson, Karl Spears, Beth Spurgeon, Joe St. Clair, Serena Steele, Teri Stidham, Ryan Stillwell, Megan

Strickler, Mike Stuart, Randi Stubbs, Todd Stuckey, Steven Studebaker, Bryan Swain, Dorothy Swanson, Daniel Sweeney, James Sweeney, Thomas Szczesniak, Susan Tally, David Taylor, Joanne Teehan, Diane M Thanes, Zeno Thomas, Charles Thompson, Aaron Thompson, Peter Thompson-Hague, Ann Torguson, Michael Tosh, Franklyn Van Brunt, Jim Van Couvering, Ray Vargas Sanabria, Kylee Velazquez Rivas, Alejandro Venables, Tom Von Radics, Eric Wade, Christopher Wade, Randy Walker, Britta Wang, Yan Ward, Joshua Wardle, Julie Warner, Deelia Weaver, Diane Weaver, Larry Webb, Huck Wedekind, Cindy West, Daniel Westensee, Richard Weyland, Tina Whitchurch, Marina White, Barbara White, Eston Wilder, Joel Willits, Ryan Wilson, Lynda Winfrey, Jeffrey

Winters, Rachel Woodman, Mary Ann Zamorskaia, Evgenia Ziegler, Curtis Ziel, Steve Zottola, Martin

# Emeriti

The RCC Board of Education may grant president, vice president, dean or faculty emeritus status to retiring employees. Emeritus status is reserved to honor individual(s), at retirement, who have provided outstanding and distinguished service to the College, which means work that exceeds average, satisfactory performance in carrying out the routine responsibilities of his/her appointment and demonstrates an extraordinary impact on the College or the community.

The nomination process includes a nomination letter from the president or Board Chair before June 30th of the employee's retirement year. Nonetheless, the title of emeritus may be awarded posthumously. The recommendation must be approved by a majority of the Board.

Peter Angstadt, Ph.D. President Emeritus Laura Ault Faculty Emeritus, Business Technology **D.** Thomas Bradbeer Dean Emeritus, Human Resources and College Advancement Jerry Bryan Faculty Emeritus, Humanities Leslie Bryan Faculty Emeritus, Adult Basic Education Kathleen A. Burkey Dean Emeritus, Redwood Campus Pedro Cabrera Faculty Emeritus, Respiratory Care **Sue Calkins** Faculty Emeritus, Adult Basic Education Galyn Carlile, Ph.D. 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 Kori Ebenhack Vice President Emeritus, Student Affairs Steven Flannery Faculty Emeritus, Academic Skills **Stephen Foster** Faculty Emeritus, Manufacturing/Mechatronics David Fuller, Ph.D. Faculty Emeritus, Science Gary Gates Faculty Emeritus, Science Francine Gentile Faculty Emeritus, Social Science/Human Services Linda Goodyear-Stevenson Faculty Emeritus, Developmental Studies and Humanities

#### Sue Hall

Faculty Emeritus, Nursing **Roger Harding** Faculty Emeritus, Small Business Management **Richard Harms** Faculty Emeritus, Developmental Studies Cynthia Hauser Associate Dean Emeritus, Instruction Ralph Henderson Faculty Emeritus, Instruction/Career and Technical Education **Dorcas Herr** Faculty Emeritus, Language Arts **Dick Holliday** Faculty Emeritus, Mathematics Marilyn "Jeanne" Howell Associate Dean Emeritus, Instructional Services Robert Hutsell Faculty Emeritus, Jobs Program **Charlotte Hutt** Faculty Emeritus, Mathematics Terrance Johnson, Ph.D. Faculty Emeritus, Science Barbara "Bobbi" Kidder Faculty Emeritus, Humanities **Dennis Kimzey** Faculty Emeritus, Mathematics Alex Kozlowski Faculty Emeritus, Individualized Career Training Lutz Kramer Faculty Emeritus, Humanities Patti Kramer Faculty Emeritus, Academic Skills; High School Outreach Coordinator Kathy Krauss, Ph.D. Faculty Emeritus, Humanities Michael Laam Associate Dean Emeritus, Instruction B.C. Lamb Faculty Emeritus, Business Technology Gaia Layser Faculty Emeritus, Counselor **Rick Levine** President Emeritus John Lopez Associate Dean Emeritus, Instruction **Cheryl Markwell** Vice President Emeritus, Instruction **Greg Marton** Faculty Emeritus, Social Science Barb McAuley Classified, Emeritus Larry Mclane Faculty Emeritus, Motorcycle Technology

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RCC DISTRICT www.roguecc.edu/Maps



#### **REDWOOD CAMPUS, GRANTS PASS**

www.roguecc.edu/Maps | 3345 Redwood Highway, Grants Pass, OR 97527 • 541-956-7500

# Redwood Campus Legend



Updated 6/27/2022

#### **RIVERSIDE CAMPUS, MEDFORD**

Registration: 227 E. 9th St. Medford, OR 97501 • 541-956-7500



- 9 Craterian
- 10 Bartlett South
- 11 Riverside North
- 12 Bear Creek North
- 16 Central A (Expanding)
- 17 Riverside
- 18 Bear Creek South
- 19 Riverside South

301 Middleford Alley, Medford, 97501 Phone: (541) 774-2082

www.roguecc.edu/Maps

updated 9/27/2021

# TABLE ROCK CAMPUS, WHITE CITY

www.roguecc.edu/maps 7800 Pacific Ave., White City, OR 97503 541-956-7500

#### Table Rock Campus Legend

TRC-A	Table Rock Campus: Main Building			
TRC-B	7800 Pacific Ave., White City, OR Table Rock Campus:			
TRC-C	High Tech Center (HTC) Table Rock Campus:			
	Health Professions Center (HPC)			
FSC RCC/ Fire Dist 3:	Fire Science Center, 8383 Agate Rd., White City			
TRC-A 104	Library Lab and Student Study Area			
TRC-A 108	Library Faculty			
TRC-A 117	Criminal Justice/Juvenile Corrections/ROLEA			
TRC-A 117	Emergency Services Programs			
TRC-A 117	EMT/EMS			
TRC-A 117	Fire Science/Wildland Firefighting			
TRC-A 117	Paramedic			
TRC-A 122				
TRC-A 123 D	ADS Lana Physical Thorapy Assistant			
TRC-A 125 C	LBCC Occupational Therapy			
TRC-A 123 D	ABS			
TRC-A 124	Classroom			
TRC-A 126	Classroom			
TRC-A 125	Computer Labs			
TRC-A 12/	Student Success Center			
TRC-A 127	Iutoring Center			
TRC-A 127	lesting Center			
TRC-A 127	Adult Basic Skills (ABE/GED)			
TRC-A 127	Student Employment Services			
TRC-A 12/1	IT Media Services			
TRC-A 130	Security and Risk Management			
TRC-A 132	Staff Computer Help Desk			
TRC-A 133	Staff Computer Help Desk			
TRC-A 134	Staff Computer Help Desk			
TRC-A 135	Copy and Mail Room			
TRC-A 136	vacant currently, remove from list			
TRC-A 137	College Now			
TRC-A 138	Continuing Education and Workforce Development			
TRC-A 139	Continuing Education and Workforce Development			
TRC-A 140	Flex Lab			
TRC-A 141	Facilities and Operations			
TRC-A 141	Art Studio			
TRC-A 143	MacLab			
TRC-A 144	CS/CIS Department			
TRC-A 145	CS/CIS Department			
TRC-A 146	Adjunct Faculty			
TRC-A 147	Visual Art and Design Department			
TRC-A 148	Student Government/ASGRCC			
TRC-A 149	Student Government/ASGRCC			
TRC-A 150	Veterans Resource Center			
TRC-A 151	Veterans Services			
TRC-A 152	Apprenticeship Discol and Appronticeship Lab			
TRC-A 150	Apprenticeship			
TRC-A 162	Health/PE/Recreation			
TRC-A 163	Classroom			
TRC-A 164	Classroom			
TRC-A 166	Diesel Technology			
TRC-A 167	HPER			
TRC-A 170	Foodbank			
TRC-A 171-178	Electronics			
TRC-A184/184a	Large Multipurpose Classroom			
TRC-A 103-100	Vielcome Center			
TRC-A 187	Advising Center Student Services Administration			
TRC-A 107	Access and Disability Resources			
TRC-A 200	TRIOETS (Educational Talent Search)			
TRC-A 200	TRiOROC (Rogue Opportunity Center)			
TRC-A 201	Student Records			
TRC-A 202	Instructional Administration			
TRC-A 203	Instructional Administration			
TRC-A 204	Instructional Administration			
TRC-A 207	Student Services Administration			
TRC-A 209	Institutional Grant Coordination			
TRC-A 210	College Services Administration			



TRC-B Mechatronics Lab TRC-B Welding Lab

TRC-C 166       Materials Lab         TRC-C 172       Kitchenette & Vending         TRC-C 182       Large Study/Meeting Room         TRC-C 180       Large Study/Meeting Room         TRC-C 150       Large Study/Meeting Room         TRC-C 163       Treatment Planning/X-ray Processing         TRC-C 108       Reception         TRC-C 100       Reception         TRC-C 101       Open Office         TRC-C 102       Debriefing 1         TRC-C 230       Debriefing 1         TRC-C 231       Debriefing 1         TRC-C 232       Hi-Fi Patient Room A         TRC-C 233       Hi-Fi Patient Room A         TRC-C 230       Phiebtorny Lab/Classroom         TRC-C 230       Hi-Fi Sim Supply         TRC-C 233       Hi-Fi Sim Supply         TRC-C 240       Philebotomy Lab/Classroom         TRC-C 262       Central Supply         TRC-C 263       Study Room         TRC-C 234       Study Room         TRC-C 240       Shared Classroom         TRC-C 240       Shared Classroom
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Updated 6/21/2022

# Time management tool

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
6:00-6:30 am							
6:30-7:00							
7:00-7:30							
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Notes