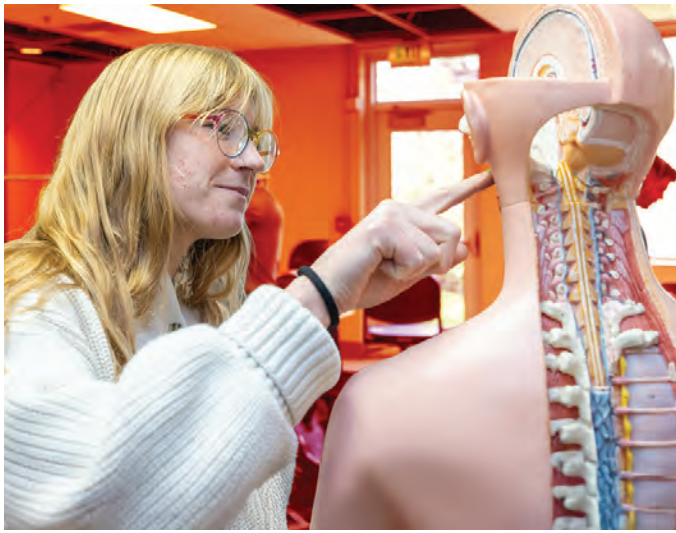
# CATALOG | 2026 2027

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COLUMBIA GORGE
COMMUNITY COLLEGE

# 2026-2027 Catalog Errata

| Page # | Program, Course or Topic Heading | Correction | Date of Correction |
|---|---|---|---|
| 143-144 | Veteran's Education Benefits<br>38 U.S.C. 3679© Veterans Access, Choice and Accountability Act of 2014<br>(paragraph 4) | (¶ 4) Anyone described above while he or she remains continuously enrolled (other than ... 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 relase as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.~~ | 9.18.28 |
| 122 | Course Descriptions<br>Consumer & Family Studies (HEC) | ~~**HPE 295 Health and Fitness for Life, 3 Cr. Explores the I**~~<br>**HEC 201 Family-Teacher Partnerships and Community Connections, 3 Cr.** Idntifies the influences on children and their families which impact ... | 9.18.28 |
| 35 | Business Management AAS<br>Career Description | **Career Description**<br>The Associate of Applied Science in ~~Entrepreneurship /~~ Business Management degree prepares students ... | 9.18.28 |
| 35 | Business Management AAS<br>Course of Study<br>(paragraph 1) | **Course of Study**<br>(¶ 1) The ~~Entrepreneurship /~~ Business Management AAS degree is the final step on the entrepreneurship educational ladder ... | 9.18.28 |
| 37 | Business Administration certificate<br>Career Description | **Career Description**<br>The ~~Entrepreneurship~~ Business Administration certificate offers a unique learning experience to students ... | 9.18.28 |
| 37 | Business Administration certificate<br>Course of Study<br>(paragraphs 1 and 3) | **Course of Study**<br>(¶ 1) The Business Pathway is designed using career ladders to accommodate both part-time and full-time stdents. The ~~Entrepreneurship~~ Business Administration certificate is the first step on the entrepreneurship educational ladder within the Business Pathway.<br>(¶ 3) The ~~Entrepreneurship~~ Business Administration certificate leads to the two-year ~~Entrepreneurship / Management~~ Business Management AAS degree. All courses in the certificate are contained in the degree. | 9.18.28 |
| 105 | Professional Small Uncrewed Aircraft Systems<br>(addition to lower right corner below Credit Summary in a box) | NOTICE: This certificate will be under review during the 2026-27 academic year. During this review, offering of UAS courses may be limited, and the review may result in significant changes or termination of the certificate and/or its courses in 2027-28. Please consult with your academic advisor for current information on certificate status and impacts for students. | 9.18.28 |
| 111 | Course Descriptions<br>Anthropology (ATH) | [Move the description for ATH 101 from the end of the Art / ART section to the beginning of the Anthropology / ATH section.] | 9.18.28 |


COLUMBIA GORGE
COMMUNITY COLLEGE



# WELCOME TO CGCC

At Columbia Gorge Community College (CGCC), we believe education is the best way for our community to learn, grow, and build a better future together. As a public two-year college serving The Dalles, Hood River, and the broader Columbia River Gorge—both in-person and online—we are committed to providing accessible, affordable, and high-quality education that helps people gain the skills and knowledge they need to succeed in life and work.

Our mission is to spark curiosity, encourage critical thinking, and help students thrive in a changing world. We offer pathways to personal growth, community vitality, and economic opportunity—helping students pursue their passions, master their chosen craft, and build meaningful, sustainable careers.

We believe in:

- Respect: We value every person and their story.
- Opportunity: We offer programs for all ages and backgrounds.
- Community: We work together to make our region stronger.
- Learning for Life: We help you keep growing, no matter where you start.

Our vision is to be the first choice for higher education and career training in the Gorge—where every student is supported, every voice is valued, and every dream has a pathway.

Our guiding principles are rooted in inclusivity, respect, and innovation. We champion lifelong learning, celebrate the strengths of our students, colleagues, and community, and continually adapt our programs to meet the evolving needs of the region.

Nestled within the Columbia River Gorge National Scenic Area, CGCC honors the history, cultures, and natural beauty that define our region. We respectfully acknowledge that our campuses are located on the traditional lands of several Indigenous peoples who have stewarded these lands since time immemorial. We pay our respects to their elders—past, present, and emerging—and recognize their enduring connection to this land, its waters, and its communities.

Our students come from all walks of life: recent high school graduates, adult learners returning to education, English language learners, and those seeking new directions or deeper enrichment. Whether you are here to complete a GED, earn a degree or certificate, transfer to a four-year university, gain new job skills, or simply explore a new interest, you are welcome here.

We offer small classes, caring and creative instructors, and a wide range of programs—from technical trades and health care to arts, sciences, and community education. Our goal is not just to help you find a job, but to help you launch a career and a life you love.

## WELCOME TO CGCC. THERE'S MORE TO LEARN HERE.




# A Welcome from President Lawson

Dear CGCC Community,

Welcome to the 2026-27 academic year at Columbia Gorge Community College.

Choosing to pursue a college education is one of the smartest investments a person can make — in their future, their family, and their community. In a time when the cost of nearly everything feels like it's rising faster than anyone would like, your decision to be here reflects both courage and clarity about what matters most. Whether your goal is to transfer to a university, begin a meaningful career, gain new skills, or simply grow as a human, your time at CGCC has the power to change the trajectory of your life.

At CGCC, students receive a high-quality education close to home, with the support, flexibility, and personal connections that help people succeed. We also understand the financial realities our students face, and we are committed to keeping education accessible and affordable through scholarships, financial aid, and student support services. Earning credits or credentials might be the reason you're here on paper, but the experience is about building confidence, discovering possibility, and developing the knowledge and skills that open doors long after graduation. The return on that investment can be measured not only in career opportunities and earnings, but also in stronger communities, expanded perspectives, and greater freedom to shape your future.

To our students: You belong here. Whether you are attending college for the first time, returning after years away, balancing coursework with work and family responsibilities, or exploring a new direction, we are committed to helping you succeed.

Our faculty and staff believe deeply in the potential of our students. Every day, they invest their energy, expertise, and care into creating meaningful learning experiences and providing the support students need to persist and thrive. Our mission remains clear: equitable access, empowerment through learning, and inclusive prosperity for our region. We believe education should create opportunity for everyone, and we are proud to serve as a place where people can learn, grow, and build better futures together.

The principles that guide us — honest communication, respect, collaboration, integrity, and equity and inclusion — shape how we work and learn alongside one another. They are the foundation of a college community where students can challenge themselves, feel supported, and know they matter.

Thank you for choosing CGCC. I am glad you are here, and I look forward to all you will accomplish in the year ahead.

With gratitude and excitement,
Dr. Kenneth Lawson
President, Columbia Gorge Community College

## Mission

Columbia Gorge Community College prioritizes equitable access to education, empowers all students through learning, and drives inclusive prosperity throughout our community.

## Vision

As an institution of higher education, CGCC innovates and excels, champions equity and inclusion, and nurtures belonging among our students, employees, and the community.

## Priorities

CGCC prioritizes educational equity by:

Ensuring equitable access to education
Advancing equitable student learning and educational outcomes
Fostering economic growth, inclusive prosperity, and a thriving community



# Executive Director of The Foundation Sue Davis

Columbia Gorge Community College Foundation – a nonprofit organization formed in 1979 – connects with students, donors, and the community to support scholarships, programs and initiatives that improve the accessibility and quality of education at Columbia Gorge Community College (CGCC).

The college prioritizes equitable access to education, empowers all students through learning, and drives inclusive prosperity throughout our community. Foundation staff and board work hand-in-hand with college leaders to embed those fundamental principles into our work.

In the 2025-26 academic year, The Foundation provided $212,510 in scholarships to 115 students. We are proud of our work, and grateful to our many supporters and volunteers. There is more to do, and we are committed to empowering every student to achieve their goals.

If you would like to support the Foundation's work, either by making a donation, joining us as a volunteer, or considering board service, please find us at cgccfoundation.org. We look forward to connecting with you.

With appreciation,

Executive Director of the CGCC Foundation
& College Advancement



# About CGCC

### History

Founded in 1977, Columbia Gorge Community College (CGCC) is the region's only higher education institution. Originally named Treaty Oak Education Center, it adopted its current name in 1989. In 1993, Wasco County voters established the main campus in The Dalles, and in 2001 Hood River County voted to expand the district to include eastern and central Hood River County. CGCC was academically supervised by Portland Community College until 2013, when it received independent accreditation from the Northwest Commission on Colleges and Universities.

For more college history, visit www.cgcc.edu/about.

### Sanctuary Campus

CGCC is a sanctuary college committed to protecting all students, including undocumented immigrants and DACA recipients. The college upholds student safety and privacy, releasing non-directory information only with a valid court order.

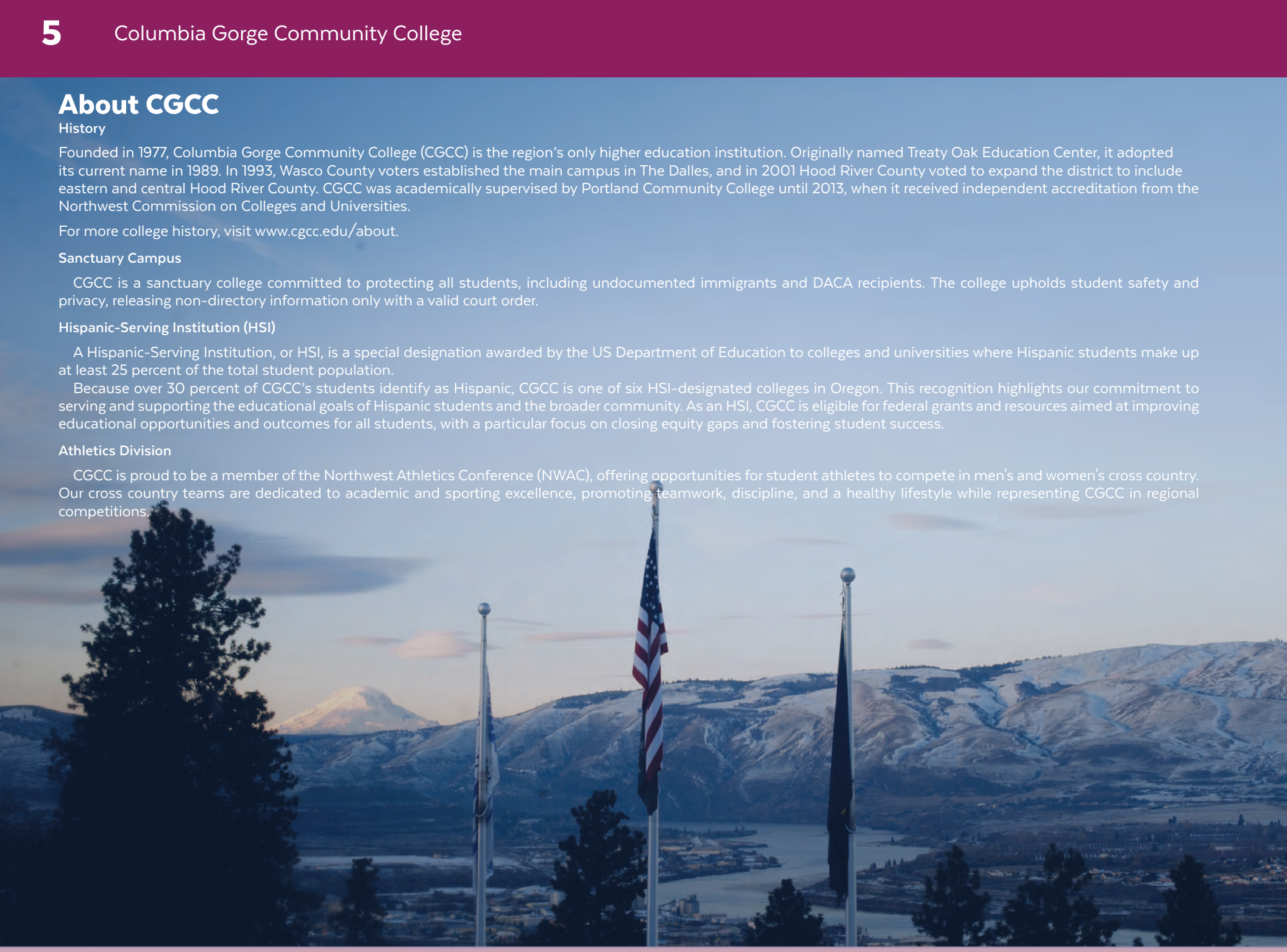
### Hispanic-Serving Institution (HSI)

A Hispanic-Serving Institution, or HSI, is a special designation awarded by the US Department of Education to colleges and universities where Hispanic students make up at least 25 percent of the total student population.

Because over 30 percent of CGCC's students identify as Hispanic, CGCC is one of six HSI-designated colleges in Oregon. This recognition highlights our commitment to serving and supporting the educational goals of Hispanic students and the broader community. As an HSI, CGCC is eligible for federal grants and resources aimed at improving educational opportunities and outcomes for all students, with a particular focus on closing equity gaps and fostering student success.

### Athletics Division

CGCC is proud to be a member of the Northwest Athletics Conference (NWAC), offering opportunities for student athletes to compete in men's and women's cross country. Our cross country teams are dedicated to academic and sporting excellence, promoting teamwork, discipline, and a healthy lifestyle while representing CGCC in regional competitions.



## Accreditation Statement

Columbia Gorge Community College is accredited by the Northwest Commission on Colleges and Universities (NWCCU).

Accreditation is a voluntary process where a college or university is evaluated by peers according to established standards. It provides public assurance about the quality of education and a mechanism for institutions to evaluate themselves and improve. When an institution is accredited, it signals to students, the institutional community, and the public that the institution is substantially achieving its mission and that it meets or surpasses key standards to support student achievement.

The overriding purpose of NWCCU accreditation is to assure stakeholders that an NWCCU accredited institution has been rigorously evaluated and that it meets or exceeds the criteria required to maintain accreditation. In addition, the accreditation process is designed to build a culture of evidence, promote a commitment to continuous institutional improvement, validate institutional integrity, and provide opportunities for feedback that improves the accreditation process.

Accreditation status granted by NWCCU is recognition that an institution's own purpose and mission are soundly conceived, that its educational programs promote student success and help close equity gaps, and that its structure, resources, and programs support and result in achieving the institution's stated mission and purpose. When granted or reaffirmed, accreditation applies to the entire institution at the time of the most recent evaluation. It indicates that the institution as a whole has been evaluated and has been found to be substantially fulfilling its mission and substantially meets NWCCU's expectations for compliance with the accreditation standards.

A hallmark of U.S. higher education in the 21st century is the diversity of institutions, their missions, and the students they serve. Common across this diversity is a widespread understanding that higher education represents both a public good and a private benefit, fostering individual development and serving the broader needs of society and the nation. The impact of higher education extends beyond the institution, contributing to the improvement of quality of life, problem solving, and shaping the future, which are essential to supporting economic prosperity, to create an informed and civically engaged populace, and to sustain democracy in the United States.

Inquiries regarding an institution's accredited status by NWCCU should be directed to the administrative staff of the institution. Individuals may also contact:

Northwest Commission on
Colleges and Universities
8060 165th Avenue N.E., Suite 200
Redmond, WA 98052
(425) 558-4224
www.nwccu.org

## Institutional Learning Outcomes

Through their respective disciplines, CGCC students who earn a degree can:

1. Communicate effectively using appropriate reading, writing, listening, and speaking skills. *(Communication)*
2. Creatively solve problems by using relevant methods of research, personal reflection, reasoning, and evaluation of information. *(Critical thinking and Problem-Solving)*
3. Extract, interpret, evaluate, communicate, and apply quantitative information and methods to solve problems, evaluate claims, and support decisions in their academic, professional and private lives. *(Quantitative Literacy)*
4. Use an understanding of cultural differences to constructively address issues that arise in the workplace and community. *(Intercultural Knowledge and Competence)*
5. Recognize the consequences of human activity upon our social and natural world. *(Community and Environmental Responsibility)*

## Educational Philosophy Statements

*CGCC Education Philosophy Statement*
CGCC is committed to providing high quality education, delivered in a flexible manner, resulting in opportunities for our students to achieve their diverse educational goals.

*CGCC General Education Philosophy Statement*
Through a broad, well balanced curriculum, the General Education program strives to instill a lifelong love of learning and to foster civic competence within our students.

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# GENERAL PROGRAM REQUIREMENTS

Columbia Gorge Community College confers six associate degrees:

- Associate of Arts Oregon Transfer (AAOT)
- Associate of Arts Transfer (AAT)
- Associate of Science (AS)
- Associate of Science Transfer (AST)
- Associate of General Studies (AGS)
- Associate of Applied Science (AAS)

In addition, CGCC offers numerous certificates in career and technical education programs. The choices students make will depend on their major and their goals following graduation.

**Course Prerequisites**

All degree candidates must demonstrate competency in basic mathematics and writing skills prior to receiving their degree. Most Lower Division Collegiate courses have a standard prerequisite:

- Math: Placement into MTH 65 or MTH 98
- Writing: Successful completion ("C" or better) of WR 121Z or concurrent enrollment

Successful completion of any prerequisite requires passing with a "C" or better, or a "P." A grade of "D," "F," "FA," or "NP" will not satisfy the requirement. Some courses may have higher requirements in these areas and/or additional prerequisites as appropriate. See individual course prerequisites. Instructors may waive prerequisites on a case-by-case basis. Students who have one of the following degrees from a U.S. accredited institution: AA, AS, AGS, AAS, BA, BS and higher, will have the basic competency in writing (WR 121Z) waived. Other writing requirements specified by the program remain in effect.

**Minimum Requirements**

Students earning an associate degree must successfully complete the following comprehensive requirements along with any additional requirements specific to individual associate degrees:

- *Minimum Credits:* All candidates must earn a minimum of 90 credits toward an associate degree. Credit courses numbered below 100 cannot be used to fulfill the 90 credit minimum requirement for any degree.
- *Minimum Grade Point Average.* All candidates for a degree must have at least a 2.0 minimum cumulative grade point average ("C" average).
- *Minimum Residency:* To establish residency, all degree candidates must successfully complete 34 percent of the degree requirements at CGCC. Credit for prior learning, credit transferred from another institution or challenge credit may not be used to establish residency.
- 24 of the credits earned at CGCC must be applied to the specific associate degree requirements the student is pursuing.

**Associate Degree Comprehensive Requirement Limits**

- A maximum of three credits of physical education courses may be used as electives, except for the Associate of General Studies, which may include six credits.
- Credit courses with passing grades may only be applied once in meeting a degree or certificate requirement (unless approved to be repeated).
- No more than 12 credits of Cooperative Education courses may be used. (Course numbers 180 or 280.)
- No more than nine credits of experimental courses may be used (course numbers 199-199Z and 299-299Z)
- Maximum number of Credit for Prior Learning (CPL) or "P" (pass) grades allowable for any degree:
  - AAS and AGS degrees: A maximum of 66 percent of degree requirements may be completed using CPL or "P" (pass) grades.
  - AAOT, AS, AAT, AST: A maximum of 25 percent of degree requirements may be completed using CPL or "P" (pass) grades.
- One-credit Management/Supervisory Development (MSD) workshops may only be applied to the Associate of General Studies Degree (maximum six credits).

**Certificate Requirements—One Year Certificates**

Certificates at CGCC ranging from 45-60 credits are awarded in several programs to students who complete the course of study with a minimum 2.0 grade point average. Specific courses required for each certificate program, including any General Education requirements, are listed under their appropriate programs.

- Credit courses numbered below 100 may not be used to fulfill the credit minimum requirements for certificates.
- To establish residency, a minimum of 34 percent of certificate requirements must be successfully completed at CGCC. Credit for prior learning, credit transferred from another institution or challenge credit may not be used to establish residency.
- A maximum of 66 percent of certificate requirements may be completed using Credit for Prior Learning (CPL) or "P" (pass) grades.
- No more than 12 credits of Cooperative Education courses may apply to any one-year certificate. (Course numbers 180 and 280.)
- No more than nine credits of experimental courses may be used (course numbers 199-199Z and 299-299Z).

**Certificate Requirements—Less-Than-One-Year Certificates**

Certificates at CGCC ranging from 12-44 credits are awarded in several programs to students who complete the course of study with a minimum 2.0 grade point average. Specific courses required for each certificate program, including any General Education requirements, are listed under their appropriate programs.

- Credit courses numbered below 100 may not be used to fulfill the credit minimum requirements for certificates.
- To establish residency, a minimum of 34 percent of certificate requirements must be

successfully completed at CGCC. Credit for prior learning, credit transferred from another institution or challenge credit may not be used to establish residency.

- A maximum of 66 percent of certificate requirements may be completed using Credit for Prior Learning (CPL) or "P" (pass) grades.
- No more than nine credits of experimental courses may be used (course numbers 199-199Z and 299-299Z).

**Career Pathway Certificates**

Career Pathway Certificates are short-term credentials (12-44 credits) which prepare individuals for entry-level employment within an occupational area. Career Pathway Certificates may be the first certificate a student earns while pursuing a certificate of greater length or an Associate of Applied Science degree. Information about Career Pathways in specific areas of study can be found in the program section of the catalog. Based upon credits, career pathway certificates need to meet less-than- one-year requirements.

**Computer Proficiency: A Statement to Students**

In order to succeed on campus and in the world beyond college, students need to be familiar with and capable of using computers and computer software. Both upper division college work and the requirements of the workplace demand such skills. Most CGCC faculty will require students to access class materials on the Internet, or use word processing, email and databases as part of regular course activities. Students should contact their academic advisor to find out what computer resources and courses are available to help them achieve computer proficiency.

**Three-to-Four Credit Conversion**

Some lower division collegiate courses (LDC) have changed to four credits. For degrees and certificates requiring specific LDC courses, the three-credit version of the same course is generally accepted. Comprehensive degree and certificate minimum requirements must be met.

**Course Repetition**

It is possible to repeat a class only in certain circumstances as follows:

- The course has been identified as eligible for repetition as noted in the course description in the catalog; or

To receive a higher grade:

- Students are limited to three (3) total enrollments for most credit courses. Students will not be allowed to repeat a course more than three times without documented evidence of extenuating circumstances. "W" grades are counted as enrollments.
- Students who receive substandard grades ("D", "F", "NP" or "I") and/or one or more withdrawals ("W") may attempt to successfully complete the course up to a total of two additional times at Columbia Gorge Community College, if necessary to alleviate the substandard grade or successfully complete the course.

Appealing after the third attempt:

- After the third attempt to receive a passing grade in a course, the student may appeal to the Registrar's Office for one additional attempt. Appeals are only considered for documented extenuating circumstances. Students who withdraw and receive a "W" on each of the three allowable attempts will not be able to withdraw from the course again, if granted an additional attempt through appeal, and a letter grade will be transcripted. NO FURTHER ATTEMPTS WILL BE PERMITTED.

**Experimental Courses**

Courses numbered 99, 199, and 299 are experimental in nature. These courses may be offered twice in a 15-month period. After that time, they are either converted to a regularly numbered course or inactivated. While these courses count for graduation, they may not transfer to other institutions.

**Non-Credit Courses**

CGCC offers a number of non-credit courses for personal and career advancement, listed as "Community Education," as well as continuing education classes for professionals in several areas. Non-credit courses do not apply to any degrees or certificates.

**Effective Catalog**

CGCC operates on the quarter system. Catalog requirements are effective for six academic years. Students may graduate under the catalog requirements existing at the time of initial enrollment as long as they successfully complete at least one CGCC credit applicable to degree requirements per academic year. A new academic year begins with each summer term and ends the next spring term. No catalog is valid for longer than spring term following the sixth academic year after issuance of the catalog.

Some programs may impose shorter time limits on accepting credits for degree or certificate requirements. Students enrolled in programs that are accredited or licensed must meet the requirements most recently approved by the accrediting agency or licensing authority. All returning students who have not been enrolled in a college credit course for one academic year must meet new degree requirements. Occasionally, the college may change courses and course numbers within a program. Students should regularly consult an advisor focused on their major pathway about their course of study.

# GENERAL EDUCATION ELECTIVES

**What are General Education Electives?**

General Education Electives are classes that fall within specific academic discipline areas and may be used to fulfill the "general education elective" requirements in Associate degrees and some certificates. Additionally, some classes also meet the Cultural Literacy requirement for the AAOT degree.

**What is meant by academic disciplines?**

General Education classes are divided into three branches of knowledge, called "academic disciplines." The three disciplines are: "Arts and Letters," "Social Sciences," and "Science, Mathematics and Computer Science."

**LIST KEY**

* Does Not Meet Requirements for AAOT

# Meets Cultural Literacy Requirement

## Arts & Letters

ART 102 . . . . . Understanding the Visual Arts
ART 211, 212 . . . . . Modern Art History
ART 230 . . . . . Drawing I
ART 252 . . . . . Ceramics I
ART 269 . . . . . Printmaking I
ART 280 . . . . . Painting Basics
ART 286 . . . . . Watercolor I
CHN 101*, 102*, 103* . . . . . First Year Chinese
COMM 111Z . . . . . Public Speaking
COMM 140 # . . . . . Introduction to Intercultural Communication
COMM 218Z . . . . . Interpersonal Communication
COMM 215 . . . . . Small Group Communication: Process and Theory
COMM 228 . . . . . Mass Communication and Society
COMM 237 . . . . . Gender and Communication
ENG 104Z, 105Z, 106Z . . . . . Introduction to Fiction, Drama, Poetry
ENG 195 . . . . . Film Studies: Film as Art
ENG 203 . . . . . Introduction to Shakespeare
ENG 213 # . . . . . Latin American Literature
ENG 214 . . . . . Literature of the Pacific Northwest
ENG 222 # . . . . . Images of Women in Literature
ENG 237 # . . . . . American Working Class Literature
ENG 240 # . . . . . Native American Literature
ENG 244 # . . . . . Asian American Literature
ENG 250 # . . . . . Introduction to Folklore and Mythology
ENG 253, 254 . . . . . Survey of American Literature
ENG 257 # . . . . . African American Literature
ENG 260 # . . . . . Introduction to Women Writers
MUS 108 # . . . . . Music Cultures of the World
MUS 110 . . . . . Fundamentals of Music
PHL 201 . . . . . Introduction to Philosophy: Philosophical Problems
PHL 202 . . . . . Introduction to Philosophy: Elementary Ethics
PHL 204 . . . . . Philosophy of Religion
SPA 101Z*, 102Z*, 103Z* . . . . . First-Year Spanish I, II, III
SPA 201, 202, 203 . . . . . Second Year Spanish
TA 274 . . . . . Theatre History
WR 240, 241, 242, 243 . . . . . Creative Writing
WR 244, 245, 246, 247, 248 . . . . . Advanced Creative Writing

## Social Sciences

ATH 101 . . . . . Introduction to Physical Anthropology
ATH 102 . . . . . Introduction to Archaeology and Prehistory
ATH 103 . . . . . Introduction to Cultural Anthropology
ATH 208 # . . . . . Introduction to Ethnography
ATH 231 # . . . . . Native Americans of the Northwest
BA 101Z . . . . . Introduction to Business
BA 208 . . . . . Business Ethics
EC 200, 201Z, 202Z . . . . . Principles of Economics
ED 216 . . . . . Purpose, Structure, & Function of Education in a Democracy
ED 219 . . . . . Civil Rights & Multicultural Issues in Educational Settings
ES 201 # . . . . . Introduction to Native American Studies
ES 203 # . . . . . Introduction to Chicane/Latine Studies: Making Culture
FYE 100 . . . . . College Planning and Survival Skills
HEC 202 . . . . . Contemporary Families in the US
HEC 226* . . . . . Child Development
HST 104 # . . . . . History of the Middle East
HST 110 #, 111 #, 112 # . . . . . World History
HST 201Z #, 202Z #, 203Z # . . . . . United States History I, II, III
HST 218 # . . . . . American Indian History
HST 225 # . . . . . History of Women, Sex & the Family
HST 240 # . . . . . Oregon History
HST 260 . . . . . Conspiracy Theories, Secret Societies and Historical Controversies
HST 270 # . . . . . History of Mexico
PS 201, 202 . . . . . U.S. Government I, II
PS 203 . . . . . State and Local Politics
PS 204 # . . . . . Comparative Political Systems
PS 205 # . . . . . Global Politics: Conflict & Cooperation
PS 211 # . . . . . Peace and Conflict
PS 220 . . . . . U.S. Foreign Policy
PS 225 # . . . . . Political Ideologies: Idea Systems
PSY 101 . . . . . Psychology and Human Relations
PSY 201Z #, 202Z # . . . . . Introduction to Psychology I, II
PSY 213 . . . . . Introduction to Behavioral Neuroscience
PSY 214 . . . . . Introduction to Personality
PSY 215 . . . . . Lifespan Development

PSY 216 . . . . . Social Psychology
PSY 222 # . . . . . Family & Intimate Relationships
PSY 231, 232 . . . . . Human Sexuality
PSY 239 . . . . . Introduction to Abnormal Psychology
SOC 204Z # . . . . . Introduction to Sociology
SOC 205Z # . . . . . Social Change and Institutions
SOC 206Z # . . . . . Social Problems
SOC 213 # . . . . . Diversity in the United States
SOC 218 # . . . . . Sociology of Gender
SOC 219 # . . . . . Religion & Culture: Social Dimensions
SOC 231 # . . . . . Sociology of Health & Aging
WGS 101 # . . . . . Women's and Gender Studies
WGS 201 # . . . . . Intercultural Gender Studies
WGS 202 # . . . . . Activism and Social Change

## Science, Mathematics, & Computer Science

BI 101 . . . . . Biology
BI 121, 122 . . . . . Introduction to Human Anatomy & Physiology I, II
BI 141, 142, 143 . . . . . Habitats
BI 221Z . . . . . Principles of Biology
BI 231Z, 232Z, 233Z . . . . . Human Anatomy & Physiology I, II, III
BI 234 . . . . . Microbiology
CH 100 . . . . . Everyday Chemistry with Lab
CH 121, 122, 123 . . . . . General Chemistry for Non-Science Majors I, II, III
ESR 171, 172, 173 . . . . . Environmental Science
G 184 . . . . . Global Climate Change
G 201, 202 . . . . . Physical Geology
G 203 . . . . . Historical Geology
G 207 . . . . . Geology of the Pacific Northwest
G 208 . . . . . Volcanoes and Their Activity
GS 106, 107, 108, 109 . . . . . Physical Science
MTH 105Z . . . . . Math in Society
MTH 111Z . . . . . Precalculus I: Functions
MTH 112Z . . . . . Precalculus II: Trigonometry
MTH 211, 212, 213 . . . . . Foundations of Elementary Mathematics I, II, III
MTH 251Z . . . . . Differential Calculus
MTH 252Z . . . . . Integral Calculus
MTH 253Z . . . . . Calculus: Sequences and Series
STAT 243Z . . . . . Elementary Statistics I
STAT 244 . . . . . Statistics II

## Cultural Literacy

ATH 208 . . . . . Introduction to Ethnography
ATH 231 . . . . . Native Americans of the Northwest
COMM 140 . . . . . Introduction to Intercultural Communication
ENG 213 . . . . . Latin American Literature
ENG 222 . . . . . Images of Women in Literature
ENG 237 . . . . . American Working Class Literature
ENG 240 . . . . . Native American Literature
ENG 244 . . . . . Asian American Literature
ENG 250 . . . . . Introduction to Folklore and Mythology
ENG 257 . . . . . African American Literature
ENG 260 . . . . . Introduction to Women Writers
ES 201 . . . . . Introduction to Native American Studies
ES 203 . . . . . Introduction to Chicane/Latine Studies: Making Culture
HST 104 . . . . . History of the Middle East
HST 110, 111, 112 . . . . . World History
HST 201Z, 202Z, 203Z . . . . . United States History I, II, III
HST 218 . . . . . American Indian History
HST 225 . . . . . History of Women, Sex & the Family
HST 240 . . . . . Oregon History
HST 270 . . . . . History of Mexico
MUS 108 . . . . . Music Cultures of the World
PS 204 . . . . . Comparative Political Systems
PS 205 . . . . . Global Politics: Conflict & Cooperation
PS 211 . . . . . Peace and Conflict
PS 225 . . . . . Political Ideologies: Idea Systems
PSY 201Z, 202Z . . . . . Introduction to Psychology I, II
PSY 222 . . . . . Family & Intimate Relationships
SOC 204Z . . . . . Introduction to Sociology
SOC 205Z . . . . . Social Change and Institutions
SOC 206Z . . . . . Social Problems
SOC 213 . . . . . Diversity in the United States
SOC 218 . . . . . Sociology of Gender
SOC 219 . . . . . Religion & Culture: Social Dimensions
SOC 231 . . . . . Sociology of Health & Aging
WGS 101 . . . . . Women's and Gender Studies
WGS 201 . . . . . Intercultural Gender Studies
WGS 202 . . . . . Activism and Social Change

Associate of Arts Oregon Transfer

# Oregon Transfer

90 credit minimum

The Associate of Arts Oregon Transfer (AAOT) degree is the best choice for students who plan to transfer to one of the Oregon public universities. Students who have completed this degree and are accepted will be admitted as having completed most lower division comprehensive and general education requirements for a baccalaureate degree.*

Candidates for the AAOT degree must satisfy the General Education Requirements and Associate Degree Comprehensive Requirement Limits as established on page 9 and meet all the degree-specific requirements listed here.

Students transfering under this agreement will have junior status for registration purposes. Course, class standing or GPA, and requirements for specific majors, departments or schools are not necessarily satisfied by an AAOT degree.

All courses should be aligned with the student's intended program of study and the degree requirements of the baccalaureate institution to which the student plans to transfer.

** Some baccalaureate degrees require specific lower-division courses. Students should consult with a transfer advisor at the institution to which they intend to transfer.*

**Core Requirements**

| Requirements | Credits | Courses which satisfy requirements |
|---|---|---|
| Writing** | 8 | WR 121Z and either WR 122Z or WR 227Z. A student must have at least eight credits of Writing. |
| Math | 4 | MTH 105Z or higher |
| Oral Communications | 4 | Choose from: COMM 111Z, COMM 140, COMM 215, or COMM 218Z |
| Health/Wellness/Fitness | 3 | Choose from: HPE 295 or three PE courses (one credit each for a total of three credits) |
| First Year Experience | 4 | FYE 100 (May count towards Social Science General Education Requirement) |
| Cultural Literacy | 3 | See list of acceptable courses on pages 11-12. The course may be from any area and may also count as part of the overall distribution requirement |

***The information literacy requirement is satisfied by successful completion of writing courses.*

## AAOT Degree Requirements

- Associate Degree Comprehensive Requirement Limits, see page 9
- All courses must be passed with a grade of "C" or better

## AAOT Elective Credit Requirements

All candidates must complete elective credits to meet the overall requirement of 90 credits for this degree. Elective credits may include any lower division collegiate courses (level 100 or higher). A maximum of 12 credits of Career and Technical Education (CTE) courses may be applied.

## General Education Requirements

All candidates must complete at least 11 Academic Discipline studies courses from the list of approved general education courses, pages 11:

- Arts & Letters: complete three courses from two subject areas
- Social Sciences: Complete four courses from two subject areas
- Science, Mathematics, and Computer Science: Complete four courses from at least two subject areas (including three laboratory courses in biological and/or physical science)

A course may count towards core requirements or discipline studies, but not both.

Associate of Arts Oregon Transfer | Transfer Map

# Core Transfer Map

30 credits

The Core Transfer Map is a broad description of course requirements for students at any Oregon community college or public university. Students who have not yet declared a major and plan to transfer may take classes that fit these categories at any Oregon community college and expect all classes to transfer and meet at least 30 credits of general education requirements for a bachelor's degree at any Oregon public university.

Note that many majors have specific course requirements for categories within the Core Transfer Map. The Core Transfer Map is intended as a starting point for students who plan to transfer to a university, but are unsure of their intended major or transfer destination. Students who are certain of their major, but not their transfer destination, should determine if there is a developed Major Transfer Map for their chosen discipline, and follow that as a guide. Students who are certain of both their major and their intended transfer destination should consult an advisor for information on an existing specific articulation agreement, Major Transfer Map, or degree map that will prescribe their course requirements.

## Required Courses

| Requirement | Credits | Note |
|---|---|---|
| Writing | 3-4 | All courses must meet AAOT requirements. Please see an Academic Advisor for recommendations. |
| Arts & Letters | 6-8 | |
| Social Sciences | 6-8 | |
| Natural Sciences | 8-10 | |
| Mathematics | 4-5 | |

## Additional Requirements

| Requirement | Courses which satisfy requirements |
|---|---|
| Cultural Literacy | At least one required course must also meet the Cultural Literacy requirements |
| At least 30 total credits | If the credit total for the required courses is less than 30 credits, select a course of your choice from the AAOT outcome approved courses (pages 11-12) |
| Completion standards | All courses must be passed with a grade of "C-" or better. Students must have a minimum cumulative GPA of 2.0 at the time of award |

*To notate the CTM on a transcript, submit a graduation petition and mark "notate transcript for Core Transfer Map" on the petition*

Oregon Transfer Compass

Associate of Arts Oregon Transfer | Associate of Arts Transfer | Associate of Science Transfer

# Major Transfer Maps

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 are generally embedded within the Associate of Arts Oregon Transfer (AAOT), Associate of Arts Transfer (AAT) or the Associate of Science Transfer (AST), which build upon the 30-credit general education foundation defined by the generic Core Transfer Map (CTM – see page 14). Finally, to earn an AAT or AST, students will need to successfully complete at least 90 credits. Therefore, in order to complete a Major Transfer Map in two years, students should take an average of 45 credits per year, or approximately 15 credits per quarter.

Be aware that variances in major requirements exist between universities and are detailed in curriculum crosswalks for each MTM. An academic advisor can provide specific crosswalk information and guidance. Students are strongly encouraged to: 1) seek advising before their first term of college; 2) seek advising after they have completed the 27-35 credits of the Core Transfer Map requirements; and 3) seek advising and meet with a transfer coordinator before registration opens at the beginning of the student's second year in college.

Oregon Transfer Compass

## MTMs Currently Offered

### Associate of Arts Oregon Transfer (AAOT):

- Elementary Education (see pages 49-50)

### Associate of Arts Transfer (AAT):

- Communication (see pages 23-24) **(NEW)**
- English (see pages 25-29)
- Human Development and Family Services (see pages 51-52) **(NEW)**
- Sociology (see pages 55-57) **(NEW)**

### Associate of Science Transfer (AST):

- Business (see pages 33-34)
- Computer Science (see pages 75-76)
- Human Development & Family Services (see pages 51-52) **(NEW)**
- Psychology (see pages 53-54) **(NEW)**
- Sociology (see pages 55-57) **(NEW)**

Meet with a CGCC academic advisor for specific MTM degree requirements and to determine an appropriate degree plan that best aligns with your choice of university destination.

Associate of Arts Oregon Transfer | Transfer Module

# Oregon Transfer Module

45 credit minimum

The Oregon Transfer Module (OTM) is an approved 45-credit subset of general education courses that are common among Oregon's two-year and four-year colleges and universities. It is designed to improve student access to a college degree by enhancing opportunities for the transfer of credits earned at one institution to another. The OTM is an organized framework for students who are undecided regarding their academic majors or who change majors early in their college careers. It provides clear milestones that students can accomplish to serve their future goals, and it is supportive of students who transfer early to a four-year institution by allowing for seamless transfer of first year of coursework.

Any student holding an Oregon Transfer Module that conforms to the guidelines below will have met the requirements for the OTM at any Oregon community college or public university. Upon transfer, the receiving institution may specify additional coursework that is required for a major or for degree requirements or to make up the difference between the Transfer Module and the institution's total General Education requirements. The OTM may be applied toward the Associate of Arts Oregon Transfer degree, the Associate of Science Oregon Transfer—Business, or a baccalaureate degree from a public university or participating Oregon independent college or university.

**Core Requirements**

| Requirements | Credits | Courses which satisfy requirements |
|---|---|---|
| Writing | 8 | Successful completion of WR 121Z and either WR 122Z or WR 227Z |
| Mathematics | 4 | Successful completion of MTH 105Z or higher |
| Oral Communications | 4 | COMM 111Z, 140, 215, 218Z |

- The OTM satisfies the majority of general education requirements. (Some campuses may have additional requirements in subjects such as diversity or foreign language.)
- The OTM represents approximately half (45 credits) of an associate degree or the first year of a baccalaureate degree.
- The OTM is not a degree or certificate.

## Required Coursework

The Oregon Transfer Module includes coursework which is equivalent to 3 academic quarters. All courses must be passed with a grade of "C-" or better and must be worth at least 3 credits. Students must have a minimum cumulative GPA of 2.00 at the time the module is posted.

## General Education Discipline Studies

Courses must be from the General Education Discipline areas (Arts & Letters, Social Science, or Science/Math/Computer Science). Students are encouraged to complete at least one course with the embedded Cultural Literacy component in order to complete AAOT requirements. See page 11-12 for a list of all general education electives, including courses that fulfill the cultural literacy requirement.

- Arts and Letters: Three courses.
- Social Sciences: Three courses.
- Science/Math/Computer Science: Three courses, including at least one biological or physical science with a lab.

# Associate of Science

90 credits

The Associate of Science Degree (AS) is designed for students planning to transfer credits to a baccalaureate degree program at a four-year institution. This degree allows more freedom in course selection than the Oregon Transfer Degrees but does not guarantee that students will be accepted as having completed all lower-division comprehensive and general education requirements for a baccalaureate degree. To be assured of meeting additional requirements at four-year colleges and universities, students should meet with an advisor at CGCC, and at the institution to which they plan to transfer.

Candidates for the AS degree must satisfy the General Education Requirements and Associate Degree Comprehensive Requirement Limits as established on page 9 and meet all the degree-specific requirements listed here.

## Associate of Science Degree Requirements

- Associate Degree Comprehensive Requirement Limits, see page 9.

## General Education Requirements

All candidates must earn a minimum of 21 credits selected from the list of approved courses, pages 11. Each course must be a minimum of three credits. A minimum of seven credits from each discipline must come from courses taken in each of the following categories:

- Arts & Letters
- Social Sciences
- Science, Mathematics, and Computer Science

## AS Elective Credit Requirements

All candidates must complete elective credits to meet the overall requirement of 90 credits for this degree. Elective credits may include any lower division collegiate courses (level 100 or higher).

**Core Requirements**

| Requirements | Credits | Courses which satisfy requirements |
|---|---|---|
| Writing | 6 | WR 121Z with grade "C" or higher, and another lower-division writing course for which WR 121Z is a prerequisite. |
| Mathematics | 4 | MTH 111Z or any mathematics course, minimum four credits, with Intermediate Algebra as a prerequisite, with grade "C" or higher. |
| Health/Wellness/Fitness | 3 | HPE 295 |
| First Year Experience | 4 | FYE 100 (May count towards Social Science General Education Requirement) |
| General Education | 21 | See list of acceptable courses on pages 11-12. The course may be from any area and may also count as part of the overall distribution requirement |

# Associate of General Studies

90 credit minimum

The Associate of General Studies degree (AGS) is designed for students wishing to acquire a broad education rather than pursuing a specific college major or career program. Coursework may include a variety of technical and college transfer courses. Because of the flexibility of this degree, it may not fulfill requirements for transfer to a four-year institution. Students are responsible for checking with the college of their choice if transferability is desired. Students should consult a Columbia Gorge Community College advisor in selecting appropriate courses. Degree candidates must complete at least 90 transferable credit hours.

Candidates for the AGS degree must satisfy the General Education Requirements and Associate Degree Comprehensive Requirement Limits as established on page 9 and meet all the degree-specific requirements listed here.

## General Studies Degree Requirements

- Associate Degree Comprehensive Requirement Limits, see page 9

## General Education Requirements

Students must take a minimum of four course of General Education from the list of approved courses on page 11-12. All courses must be a minimum of three credits and be in the following disciplines:

- Arts & Letters
- Social Sciences
- Science, Mathematics, and Computer Science

The 4 courses must include at least one course with a minimum of three credits from each discipline.

Students should consult an advisor regarding General Education appropriate to their goals and interests.

General Education requirements will be waived for students who enroll at CGCC with an AA, AAS, AGS, AS, BA, BS, or higher degree, from a regionally-accredited United States institution.

## Elective Credit Requirements

- All students must complete elective credits to meet the overall requirements of 90 credits. Elective credits from any lower division collegiate or career technical courses may apply. Elective credits may apply from any course numbered 100 or higher
- Maximum of six credits of PE may apply
- Maximum of six credits of one-credit MSD workshops may apply

**Core Requirements**

| Requirements | Credits | Courses which satisfy requirements |
|---|---|---|
| Writing | 4 | WR 121Z (with grade "C" or better) or passing a lower division collegiate writing course for which WR 121Z is prerequisite |
| Mathematics | 4 | MTH 65 or MTH 98 (with grade "C" or better) or passing a math course for which MTH 65 or MTH 98 is a prerequisite |
| First Year Experience | 4 | FYE 100 (May count towards Social Science General Education Requirement). |
| General Education | 12-16 | See Electives List on pages 11-12. |

General Requirements for

# Associate of Applied Science

90 credit minimum

The Associate of Applied Science degree (AAS) is designed for students who complete approved coursework in professional/technical programs. The Associate of Applied Science is a state approved degree that is intended to prepare graduates for direct entry into the workforce. The AAS may also help to prepare students for career advancements, occupational licensure, or further study toward a baccalaureate degree.

Candidates for the AAS degree must satisfy the General Education Requirements and Associate Degree Comprehensive Requirement Limits as established on page 9, and meet all the degree-specific requirements listed here.

## Associate of Applied Science Degrees Offered At CGCC


Accounting . . . . . 29-30
Business Management . . . . . 35-36
Early Childhood Education . . . . . 41-41
Nursing . . . . . 63-65
Advanced Manufacturing and Fabrication . . . . 79-80
CNC and Additive Manufacturing . . . . . 81-82
Fabrication and Additive Manufacturing . . . . . 83-84
Aviation Maintenance Technology . . . . . 89-90
Construction Technology . . . . . 97-98
Electro-Mechanical Technology . . . . . 101-102


## Requirements for AAS

- Associate Degree Comprehensive Requirement Limits, see page 9.
- The final 16 credits that apply to the degree must include at least eight credits at CGCC that apply to the specific program requirements, excluding courses used solely for the General Education requirements. (Students may apply to the department chair for waiver of this requirement if they can demonstrate currency in the field.)
- Twenty-four of the credits from CGCC must apply to the specific program requirements excluding courses used solely for the General Education requirements.
- No more than three credits of Physical Education (PE) may be applied.
- All AAS candidates must complete a program of approved course work in the major field. (see the specific program of study pages)

## General Education Requirements

Students must take a minimum of four courses of General Education from the list of approved courses on page 11-12. All courses must be a minimum of three credits and be in the following disciplines:

- Arts & Letters
- Social Sciences
- Science, Mathematics, and Computer Science

The four courses must include at least one course with a minimum of three credits from each discipline.

Students should consult an advisor regarding General Education courses appropriate to their goals and interests.

General Education requirements will be waived for students who enroll at CGCC with an AA, AAS, AGS, AS, BA, BS degree or higher from a regionally accredited United States institution. Program-specific General Education requirements for AAS degrees will not be waived.

**Core Requirements**

| Requirements | Credits | Courses which satisfy requirements |
|---|---|---|
| Writing | 4 | WR 121Z (with grade "C" or better) or passing a lower division collegiate writing course for which WR 121Z is prerequisite |
| Mathematics | 4 | MTH 65 or MTH 98 (with grade "C" or better) or passing a math course for which MTH 65 or MTH 98 is a prerequisite |
| General Education | 12-16 | See Electives List on pages 11-12. |

# Arts, Culture & Communication Pathway

Students can open doors to a world of creativity, thought, self-expression and human understanding while journeying down the Art, Culture and Communication Pathway.

**POTENTIAL CAREER PATHS**

- GRAPHIC DESIGNER
- CONTENT WRITER
- ARTS ADMINISTRATOR
- PUBLIC RELATIONS SPECIALIST
- MUSEUM CURATOR
- MEDIA PRODUCER
- ARTS EDUCATOR

**21**
PACIFIC NORTHWEST COLLEGE OF ART (PNCA) TRANSFER AGREEMENTS

**23**
ASSOCIATE OF ARTS TRANSFER - COMMUNICATION

**25**
ASSOCIATE OF ARTS TRANSFER - ENGLISH



Transfer Agreement with

# Pacific Northwest College of Art Transfer Agreements

90 credits

Columbia Gorge Community College (CGCC) has entered into a transfer agreement with the Pacific Northwest College of Art (PNCA), facilitating transfer between the two institutions for students earning approved coursework at CGCC and interested in pursuing a four-year degree in the studio arts or creative writing at PNCA.

It is recommended that all students take courses related to their expected major interest. Requirements can be waived by strength of portfolio upon review by the chair of the department, though credits must still be earned.

If a student at CGCC gets the proper advising, especially in the aspect of the "Major Requirements," then they may indeed transfer in at the junior level at PNCA with 60 semester credits (90 quarter credits).

In addition, PNCA has several scholarship opportunities available for students participating in this transfer agreement.

## PNCA's Transfer Agreements Currently Offered

cgcc.edu/pnca-transfer-agreement

**Pacific Northwest College of Arts**

- Studio Arts
- Creative Writing **(NEW)**



# STUDENT STORY: OSCAR ORTIZ LEON



CGCC is proud to support students from all walks of life as they pursue their goals and create new opportunities for themselves and their communities. Our interview with Oscar Ortiz Leon highlights how CGCC has helped him return to school and work toward his dream of becoming a nurse. Inspired by his experiences working with patients and his lifelong fascination with the human body, Oscar found a supportive and welcoming community at CGCC that empowered him to pursue his passion close to home. His story is a reminder that it's never too late to follow your dreams. At CGCC, you can start here and go anywhere.

**What inspired you to pursue nursing?**

I really became interested in nursing when I worked at OHSU in Portland delivering food to patients. A lot of the nurses complimented my bedside manner and people skills, and they told me I would make a really good nurse. Even as a child, I was fascinated by how the human body works. I used to watch Surgery Saved My Life on the Discovery Channel with my mom, and seeing organ and heart transplants really inspired me. That interest stayed with me growing up.

**What do you like most about CGCC?**

What I like most about CGCC is that it's close to home. I grew up in The Dalles, and even when I take classes in Hood River, it's still a beautiful and manageable drive through the Gorge. It's affordable, and the best part is that it's part of my community. The teachers, staff, and students are all connected because many of us live in the same area or nearby communities.

**Would you recommend CGCC's program to others?**

Definitely, yes. It's inexpensive, and everyone is willing to help. When you walk into the main office, people greet you with a smile and ask how they can help. If they don't know the answer, they'll connect you with the right resources. Everyone is really friendly and supportive.

**What advice would you give to someone considering college or trying something new?**

I would say go for it. Try new classes and explore different subjects because you never know what you might enjoy or where it could lead you. I've even encouraged my younger brother to take classes and just try something new. Sometimes you discover passions you didn't expect.

**How has your experience as an older student been different?**

As an older student returning to school, I feel much more empowered. Right after high school, I attended Portland State University for music education, but after about a year I decided to step away and experience life a little more. Later, I realized I wanted to return to school and try again. Now I'm back, and I'm actually being really successful at it.

**What message would you share with others who may be hesitant to return to school**

If things don't work out the first time, try again. Life is short, and you never know what could happen if you don't take the chance. Sometimes those dreams you had as a child come back to you later in life. That's what happened to me. I had a dream when I was younger, and now I'm finally pursuing it. You never know where trying again might lead you.

Associate of Arts Transfer

# Communication

90 credits

The Associate of Arts Transfer in Communication offers a streamlined path for CGCC students to gain credits and transfer seamlessly to a participating Oregon university in pursuit of a Bachelor of Arts in Communication. This map is beneficial for students who know they want to transfer in the field of Communications, but who may be unsure of their intended transfer destination. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the necessary requirements. Students who are certain of both their major and their intended transfer destination should consult an advisor for information on an existing specific articulation agreement or degree map that will prescribe their course requirements.

## Program Outcomes

Students who successfully complete this degree will be able to:

1. Create messages appropriate to the audience, purpose and context.
2. Apply communication theories, perspectives, principles, and/or concepts.
3. Recognize how cultural filters and culturally-based assumptions impact communication, perceptions and behaviors.
4. Apply ethical standards in all forms of communication.multimedia forms to respond to, analyze, and/or produce texts.

## Prerequisites

Successful completion of (MTH 65 or MTH 98) and WR 115 or equivalent placement.

| | | | | | | |
|---|---|---|---|---|---|---|
| Year One | Fall | College Planning and Survival Skills<br>FYE 100, 4 cr | Composition I<br>WR 121Z, 4 cr | Communication MTM Elective[1]<br>4 cr | First-year Spanish I<br>SPA 101Z, 4 cr | 16 Credits |
| | Winter | Public Speaking<br>COMM 111Z, 4 cr | Technical Writing<br>WR 227Z, 4 cr | General Education Elective Arts & Letters[2]<br>3-4 cr | First-year Spanish II<br>SPA 102Z, 4 cr | 15-16 Credits |
| | Spring | Interpersonal Communication<br>COMM 218Z, 4 cr | Communication MTM Elective[1]<br>4 cr | General Education Elective Social Sciences[3]<br>3-4 cr | First-year Spanish III<br>SPA 103Z, 4 cr | 15-16 Credits |
| Year Two | Fall | Introduction to Intercultural Communication<br>COMM 140, 4 cr | Math in Society (or higher)<br>MTH 105Z, 4 cr | General Education Elective Arts & Letters[2]<br>3-4 cr | Second Year Spanish I - First Term<br>SPA 201, 4 cr | 15-16 Credits |
| | Winter | Small Group Communication: Process and Theory or Mass Communication and Society<br>COMM 215 or COMM 228, 4 cr | Communication MTM Electives[1]<br>0-3, cr | General Education Elective Natural Science[4]<br>4-5 cr | Second Year Spanish II - Second Term<br>SPA 202, 4 cr | 12-16 Credits |
| | Spring | Communication MTM Elective[1]<br>0-3, cr | General Education Elective Social Sciences[3]<br>3-4 cr | General Education Elective Natural Science[4]<br>4-5 cr | Second Year Spanish III - Third Term<br>SPA 203, 4 cr | 15 Credits |

## Electives

| | | |
|---|---|---|
| | **[1]Communication MTM Electives** | |
| COMM 237 | Gender and Communications | 4 credits |
| | Choose any course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-5 credits |
| | **[2]General Education - Arts & Letters** | |
| | Choose any Arts & Letters course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[3]General Education - Social Sciences** | |
| | Choose any Social Science course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[4]General Education - Natural Sciences** | |
| | Choose any Sciences course with a lab from the General Education designation list that has one of the following prefixes: BI, ESR, G, or GS. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 4-5 credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Communications (COMM) | 16 |
| Communications MTM Electives | 8-14 |
| First Year Experience (FYE) | 4 |
| Mathematics (MTH) | 4 |

| | |
|---|---|
| Writing (WR) | 8 |
| Spanish (SPA) | 24 |
| General Education (Arts & Letters) | 6-8 |
| General Education (Social Sciences) | 6-8 |
| General Education (Natural Sciences) | 8-10 |

Associate of Arts Transfer

# Associate of Arts Transfer: English

90 credits

The Associate of Arts Transfer – English degree offers a streamlined path for CGCC students to gain credits and transfer seamlessly to an Oregon university in pursuit of a degree/career in English.

The study of English places high value on the ability to read intelligently and to write clearly; as such, it opens doors to careers in education, communications law, government, community service, and business. Indeed, the ability to handle the language with clarity and cogency is the skill most frequently cited by business professionals as desirable. A major in English gives students the breadth of outlook and depth of perspective that are increasingly important in twenty-first century careers.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Demonstrate understanding of literary works in context, including the ways texts engage notions of genre, culture, history, class, race, gender, and/or sexuality.
2. Use a variety of written, verbal, and/or multimedia forms to respond to, analyze, and/or produce texts.

## General Degree Requirements

Associate Degree Comprehensive Requirement Limits, see page 9

## Prerequisites

Placement into MTH 65 or MTH 98; IRW 115 or WR 115 or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Year One** | Fall | First-year Spanish I[2]<br>SPA 101Z, 4 cr | Composition I<br>WR 121Z, 4 cr | College Planning and Survival Skills<br>FYE 100, 4 cr | Math in Society (or higher)<br>MTH 105Z, 4 cr | 16 Credits |
| | Winter | First-year Spanish II[2]<br>SPA 102Z, 4 cr | Composition II or Technical Writing<br>WR 122Z or WR 227Z, 4 cr | General Education Elective<br>Social Sciences[1]<br>3-4 cr | Electives[3]<br>3 cr | 14-15 Credits |
| | Spring | First-year Spanish III[2]<br>SPA 103Z, 4 cr | General Education Elective - Arts & Letters: 200 Level Literature or Writing[1]<br>4 cr | General Education Elective<br>Social Sciences[1]<br>3-4 cr | Electives[3]<br>3 cr | 14-15 Credits |
| **Year Two** | Fall | Second-year Spanish - First Term[2]<br>SPA 201, 4 cr | General Education Elective - Arts & Letters: 200 Level Literature or Writing[1]<br>4 cr | General Education Elective - Natural Science w/Lab<br>4-5 cr | Electives[3]<br>3-4 cr | 16 Credits |
| | Winter | Second-year Spanish - Second Term[2]<br>SPA 202, 4 cr | General Education Elective<br>200 Level ENG[1]<br>4 cr | General Education Elective<br>Natural Science w/Lab<br>4-5 cr | Electives[3]<br>3-4 cr | 16 Credits |
| | Spring | Second-year Spanish - Third Term[2]<br>SPA 203, 4 cr | General Education Elective<br>200 Level ENG[1]<br>4 cr | Electives[3]<br>4 cr | | 12 Credits |

[1] *At least 1 Core Transfer Requirement must satisfy Cultural Literacy outcomes from the AAOT (qualifying courses are identified on the Gen Ed discipline list on page 11-12 )*

[2] *CPL credit available through CLEP testing, demonstrating Spanish language skills. 2 years of foreign language highly recommended; however, may be replaced with electives. (inquire with advisor)*

[3] *Work with an advisor to determine the best choices to match university requirements. Total electives are 16-20 credits depending on science course credits.*

## Credit Summary

| Requirements | Credits |
|---|---|
| Spanish (SPA) | 24 |
| Writing (WR) | 8 |
| Math (MTH) | 4 |
| First Year Experience (FYE) | 4 |
| General Education - 200 Level Literature (ENG) | 8 |
| General Education - 200 Level Literature (ENG) or Writing (WR) | 8 |
| General Education Social Science | 8 |
| General Education - Natural Science w/Lab | 8-10 |
| Program Electives | 16-20 |



# Business Pathway

Opportunities abound throughout today's business fields for those individuals trained in current business management and support techniques. The Business Pathway provides multiple ways to access dynamic and profitable professions.

## POTENTIAL CAREER PATHS

- ENTREPRENEUR
- PROJECT MANAGER
- MARKETING MANAGER
- ACCOUNTANT
- HUMAN RESOURCES MANAGER
- DATABASE ADMINISTRATOR
- WEB DESIGNER

**29**
ACCOUNTING

**33**
BUSINESS MANAGEMENT

Associate of Applied Science
# Accounting
91 credits

## Career Description

The Associate of Applied Science in Accounting degree prepares students for work in the accounting field as bookkeepers, accounting clerks, or accounting assistants who summarize and post transactions, prepare invoices, payroll, and trial balances, perform bank reconciliations, record keeping, calculations, data entry, and word processing duties, plus a variety of other accounting and general business activities.

## Course of Study

The Accounting AAS degree is the final step on the accounting educational ladder within the Business Pathway. The degree program expands on the one-year certificate and includes further coursework in accounting and finance as well as general business and general education. In year two, students develop a greater depth of knowledge in managerial accounting and financial management as well as economics.

Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science General Requirements. In addition, students must meet the General Education Electives requirement. Some courses specified within the program may be used as General Education Electives.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Analyze, record, and report accounting information in conformity with Generally Accepted Accounting Principles.
2. Use applicable technology available in accounting practice.
3. Communicate effectively with business professionals.
4. Practice within the legal, ethical, and economic standards of the business environment.
5. Develop and interpret accounting and financial information for decision making.

## Prerequisites

Succeesful completion of: WR 115 or equivalent placement; Placement into MTH 65 or MTH 98.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Year One | Fall | Introduction to Business[1] BA 101Z, 4 cr | Applied Business Math BA 104, 4 cr | Principles of Financial Accounting BA 211Z, 4 cr | Keyboarding for Business CAS 123, 4 cr | | 16 Credits |
| | Winter | Introduction to Business Technology BA 131, 4 cr | Human Relations in Organizations BA 285, 3 cr | Composition I WR 121Z, 4 cr | QuickBooks for Business BA 228, 3 cr | | 14 Credits |
| | Spring | Data Analysis Using Microsoft Excel BA 169Z, 4 cr | Project Management Fundamentals BA 170, 4 cr | Business Communication BA 205, 4 cr | Principles of Managerial Accounting BA 213Z, 4 cr | | 16 Credits |
| Year Two | Fall | Introduction to Human Resource Management BA 224, 3 cr | Workplace Experience BA 280A, 3 cr | Workplace Readiness BA 280B, 1 cr | Beginning Databases CAS 140, 4 cr | General Education Elective Arts & Letters 4 cr | 15 Credits |
| | Winter | Business Ethics[1] BA 208, 4 cr | Financial Management BA 222, 3 cr | Principles of Microeconomics[1] EC 201Z, 4 cr | General Education Elective, Science, Math or Computer Science 4 cr | | 15 Credits |
| | Spring | Management Fundamentals BA 206, 3 cr | Introduction to Business Law BA 226Z, 4 cr | Principles of Macroeconomics[1] EC 202Z, 4 cr | Records and Information Management OS 240, 4 cr | | 15 Credits |

*1 Fufills Social Science General Education elective.*

## Credit Summary

| Requirements | Credits |
|---|---|
| Business Administration (BA) | 59 |
| Computer Applications (CAS) | 8 |
| Economics (EC) | 8 |
| Office Systems (OS) | 4 |
| Writing (WR) | 4 |
| General Education Electives | 8 |

Certificate

# Accounting Technician

46 credits

## Career Description

The Accounting Technician certificate prepares students for entry-level positions in bookkeeping or accounting. Entry-level bookkeepers perform routine tasks such as bank reconcilliations, transaction posting, worksheet preparation and data entry, processing accounts payable, accounts receivable, plus general clerical duties such as typing and filing.

## Course of Study

The Business Pathway is designed using career ladders to accommodate both part-time and full-time students. The Accounting Technician certificate emphasizes financial accounting and general business plus related courses in applied math, computer applications, and keyboard skills.

The certificate leads to the two-year Accounting AAS degree. All courses in the certificate are contained in the degree.

Students must also meet the general Certificate Requirements.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Apply math principles to analyze, record, and report accounting information in conformity with Generally Accepted Accounting Principles.
2. Use applicable technology available in accounting practice.
3. Communicate effectively with business professionals.
4. Recognize and respectfully address basic ethical conflicts & issues in accounting.
5. Use accounting and financial information for analysis and reporting.

## Credit Summary

| Requirements | Credits |
|---|---|
| Business Administration (BA) | 34 |
| Computer Applications (CAS) | 4 |
| Office Systems (OS) | 4 |
| Writing (WR) | 4 |

## Prerequisites

Successful completion of: IRW 115 or WR 115 or equivalent placement. Placement into MTH 65 or MTH 98.

## Suggested Course Sequence

Sequence shown is a *recommended* plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students *must* meet with an academic advisor to map their specific degree plan.

| One-Year Certificate | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Introduction to Business<br>BA 101Z, 4 cr | Applied Business Math<br>BA 104, 4 cr | Principles of Financial Accounting<br>BA 211Z, 4 cr | Keyboarding for Business<br>CAS 123, 4 cr | 16 Credits |
| | Winter | Introduction to Business Technology<br>BA 131, 4 cr | QuickBooks for Business<br>BA 228, 3 cr | Human Relations in Organizations<br>BA 285, 3 cr | Composition I<br>WR 121Z, 4 cr | 14 Credits |
| | Spring | Data Analysis Using Microsoft Excel<br>BA 169Z, 4cr | Project Management Fundamentals<br>BA 170, 4 cr | Business Communication<br>BA 205, 4 cr | Records and Information Management<br>OS 240, 4 cr | 16 Credits |

Career Pathway Certificate

# Bookkeeping

19 credits

## Career Description

The Bookkeeping certificate prepares students for an entry-level position in a bookkeeping or accounting department. Entry-level bookkeeping perform routine tasks such as data entry plus other clerical duties such as typing and filing. They often support the accounts payable and receivable functions, organize and match invoices, identify and resolve discrepancies, and process other general business transactions.

## Course of Study

This career pathway certificate is the first step on the accounting educational ladder within the Business Pathway. Students who earn the Bookkeeping certificate may then continue on to the one-year and two-year programs in a seamless path. The certificate may also lead to entry-level jobs.

All courses in the certificate are contained in the one-year Accounting Technician certificate and the two-year Accounting AAS degree.

## Program Outcomes

1. Analyze, record, and report accounting information.
2. Use applicable technology available in accounting practice.
3. Communicate effectively with business professionals.

## Prerequisites

Successful completion of: WR 115 or equivalent placement; placement into MTH 65 or MTH 98.

## Suggested Course Sequence

Sequence shown is a *recommended* plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students *must* meet with an academic advisor to map their specific degree plan.

| | | | | | |
|---|---|---|---|---|---|
| Two Terms | Fall | Introduction to Business<br>BA 101Z, 4 cr | Applied Business Math<br>BA 104, 4 cr | Principles of Financial Accounting<br>BA 211Z, 4 cr | 12 Credits |
| | Winter | Introduction to Business Technology<br>BA 131, 4 cr | QuickBooks for Business<br>BA 228, 3 cr | | 7 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Business Administration (BA) | 19 |

Associate of Science Transfer

# Associate of Science Transfer: Business

90 credits

The Associate of Science Transfer – Business degree offers a streamlined path for CGCC students to gain credits and transfer seamlessly to an Oregon university in pursuit of a Bachelor of Science in Business. This map is beneficial for students who know they want to transfer in Business, but who may be unsure of their intended transfer destination. There are two possible transfer paths: CGCC offers Track A which aligns with Eastern Oregon University, Portland State University, Southern Oregon University and the Oregon Institute of Technology. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the requirements of this major transfer map.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Explain basic business functions and their integration into the business environment.
2. Integrate diverse cultural perspectives and ethical reasoning and actions into business decisions.
3. Demonstrate effective oral and written communication skills.
4. Apply critical thinking and analytical reasoning skills to buisness decisions.

## Prerequisites

Placement into MTH 65 or MTH 98; IRW 115 or WR 115 or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Year One** | Fall | Introduction to Buisness<br>BA 101Z, 4 cr | Principles of Financial Accounting<br>BA 211Z, 4 ctr | College Planning and Survival Skills<br>FYE 100, 4 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Winter | Math in Society[1]<br>MTH 105Z, 4 cr (or higher) | Technical Writing<br>WR 227Z, 4 cr | General Education Elective<br>Arts & Letters[2]<br>3-4 cr | General Education Elective<br>Social Sciences[2]<br>3-4 cr | 14-16 Credits |
| | Spring | Data Analysis Using Microsoft Excel<br>BA 169Z, 4 cr | Principles of Managerial Accounting<br>BA 213Z, 4 cr | Elementary Statistics I<br>STAT 243Z, 4 cr | Electives[3]<br>3 cr | 15 Credits |
| **Year Two** | Fall | Public Speaking<br>COMM 111Z, 4 cr | General Education Elective<br>Social Sciences[2]<br>3-4 cr | General Education Elective<br>Natural Sciences w/lab<br>4-5 cr | Electives[3]<br>3-4 cr | 15-16 Credits |
| | Winter | Principles of Microeconomics<br>EC 201Z, 4 cr | General Education Elective<br>Natural Sciences w/lab<br>4-5 cr | Electives[3]<br>3-4 cr | | 11-13 Credits |
| | Spring | Principles of Macroeconomics<br>EC 202Z, 4 cr | Introduction to Business Law<br>BA 226Z, 4 cr | General Education Elective<br>Arts & Letters[2]<br>3-4 cr | Electives[3]<br>3-4 cr | 14-16 Credits |

[1]MTH 111Z must be taken for OU, OIT, and OSU prior to transfer

[2]*At least 1 Core Transfer Requirement must satisfy Cultural Literacy outcomes for the AAOT (qualifying courses are identified on the Gen Ed discipline list in the catalog)*

[3]*Work with an advisor to determine the best elective choices to match university requirements. Total electives are 12-16 credits depending on credits for Science and Arts & Letters Gen Eds.*

## Credit Summary

| Requirements | Credits |
|---|---|
| Business Administration (BA) | 20 |
| Economics (EC) | 8 |
| Statistics (STAT) | 4 |
| Communication (COMM) | 4 |
| Math (MTH) | 4 |
| Writing (WR) | 8 |
| First Year Experience (FYE) | 4 |
| General Education Electives | 22-26 |
| Degree Electives | 12-16 |

Associate of Applied Science
# Business Management
91 credits

## Career Description

The Associate of Applied Science in Business Management degree prepares students to launch and grow their own business, invigorate a family business, or add significant value in a management position with employers of various sizes. Graduates learn the skills to enhance startups as well as mature businesses across a wide array of industries.

## Course of Study

The Business Management AAS degree is the final step on the entrepreneurship educational ladder within the Business Pathway. The degree program expands on the one-year certificate and includes further coursework in entrepreneurship and management as well as general business and general education. In year two, students develop a greater depth of knowledge of how businesses function and best practices for management. The degree culminates in a final capstone course which synthesizes the two years of study, provides real-life context as students develop an entrepreneurial venture and/or manage an ongoing small business, and prepares students to seek financing with an organized portfolio of work suitable for presentation to investors or other interested parties.

Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science General Requirements on page 9. In addition, students must meet the General Education Electives requirement.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Prepare a comprehensive business plan including prospective balance sheet, income statement, cash flow statement, funding sources and the capital structure of a business.
2. Apply an understanding of the management process, inclusive of planning, organizing, leading, and controlling resources within organizations.
3. Differentiate between operational and organizational structures for business.
4. Construct a marketing plan based on objectives developed from a strategic market assessment.
5. Utilize technology skills with business software applications to facilitate efficiency and quality.
6. Analyze and apply the legal, ethical, and economic standards of business.
7. Communicate effectively with customers, suppliers, employees, and other stakeholders, using standard business terminology.

## Prerequisites

Successful completion of WR 115, or equivalent placement. Placement into MTH 65 or MTH 98. Keyboarding by touch.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Introduction to Business[1] BA 101Z, 4 cr | Applied Business Math BA 104, 4 cr | Introduction to Entrepreneurship BA 150, 4 cr | Principles of Financial Accounting BA 211Z, 4 cr | | 16 Credits |
| | Winter | Introduction to Business Technology BA 131, 4 cr | Business Ethics BA 208, 4 cr | Human Relations in Organizations BA 285, 3 cr | Composition I WR 121Z, 4 cr | | 15 Credits |
| | Spring | Data Analysis Using Microsoft Excel BA 169Z, 4 cr | Project Management Fundamentals BA 170, 4 cr | Business Communication BA 205, 4 cr | Management Fundamentals BA 206, 3 cr | | 15 Credits |
| **Year Two** | Fall | Introduction to Human Resource Management BA 224, 3 cr | Beginning Databases CAS 140, 4 cr | General Education Elective: Math, Science, or Computer Science 4 cr | General Education Elective Arts & Letters 4 cr | | 15 Credits |
| | Winter | Financial Mangagement BA 222, 3 cr | Quickbooks for Business BA 228, 3 cr | Workplace Experience BA 280A, 3 cr | Workplace Experience BA 280A, 3 cr | Principles of Microeconomics[1] EC 201Z, 4 cr | 14 Credits |
| | Spring | Principles of Managerial Accounting BA 213Z, 4 cr | Principles of Marketing BA 223, 4 cr | Introduction to Business Law BA 226Z, 4 cr | Principles of Macroeconomics[1] EC 202Z, 4 cr | | 16 Credits |

*1 Fulfils a Social Science General Education Elective*

## Credit Summary

| Requirements | Credits |
|---|---|
| Business Administration (BA) | 67 |
| Economics (EC) | 8 |
| Writing (WR) | 4 |
| Computer Application Systems (CAS) | 4 |
| General Education Electives | 8 |

Certificate

# Business Administration

46 credits

## Career Description

The Business Administration certificate offers a unique learning experience to students who aspire to start their own business, work in a family business, or obtain employment as entry-level managers and supervisors in other growth-oriented businesses.

## Course of Study

The Business Pathway is designed using career ladders to accommodate both part-time and full-time students. The Business Administration certificate is the first step on the entrepreneurship educational ladder within the Business Pathway.

The certificate introduces the cultivation of an entrepreneurial mindset, converting business ideas from dreams to reality, management concepts and skills, as well as preparing students to enter the workforce as business managers and supervisors.

The Business Administration certificate leads to the two-year Business Management AAS degree. All courses in the certificate are contained in the degree.

Students must also meet the General Certificate Requirements (page 9).

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Develop a business plan which plans and allocates resources effectively, creates a budget/forecast and creates a funding plan for prospective business, details operational information and a summary of business objectives.
2. Communicate effectively with customers, suppliers, employees, and other stakeholders, using standard business terminology.
3. Design a marketing/promotions plan based on a critical analysis of the factors influencing a particular business.
4. Establish a plan to manage employee and other business related items.

## Prerequisites

Successful completion of WR 115, or equivalent placement; placement into MTH 65 or MTH 98.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

**One Year Program**

| | | | | | | |
|---|---|---|---|---|---|---|
| Fall | Introduction to Business<br>BA 101Z, 4 cr | Applied Business Math<br>BA 104, 4 cr | Introduction to Entrepreneurship<br>BA 150, 4 cr | Principles of Financial Accounting<br>BA 211Z, 4 cr | 16 Credits |
| Winter | Introduction to Business Technology<br>BA 131, 4 cr | Business Ethics<br>BA 208, 4 cr | Human Relations in Organizations<br>BA 285, 3 cr | Composition I<br>WR 121Z, 4 cr | 15 Credits |
| Spring | Project Management Fundamentals<br>BA 170, 4 cr | Business Communication<br>BA 205, 4 cr | Management Fundamentals<br>BA 206, 3 cr | Principles of Marketing<br>BA 223, 4 cr | 15 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Business Administration (BA) | 42 |
| Writing (WR) | 4 |

# Education & Social Science Pathway




Ranging from teaching and counseling to research, economics and politics, the Education & Social Science Pathway has probably the broadest variety of avenues available for exploring the human experience.

## POTENTIAL CAREER PATHS

- PRESCHOOL TEACHER
- EARLY CHILDHOOD EDUCATION SPECIALIST
- CHILDCARE CENTER DIRECTOR
- EARLY INTERVENTION SPECIALIST
- SOCIAL WORKER
- PSYCHOLOGIST
- SOCIOLOGIST
- ANTHROPOLOGIST
- HISTORIAN
- ECONOMIST
- POLITICAL SCIENTIST

**40** EARLY CHILDHOOD EDUCATION

**49** ELEMENTARY EDUCATION

**51** HUMAN DEVELOPMENT & FAMILY SERVICES

**53** PSYCHOLOGY

**55** SOCIOLOGY

Overview

# Early Childhood Education

## Introduction

The overview information on this page refers to the Initial Early Childhood Education, the Early Childhood Education Fundamentals and Early Childhood Education Curriculum certificates and the Associate of Applied Science: Early Childhood Education degree unless otherwise noted.

The three certificates are all wholly contained within the Early Childhood Education Associate of Applied Science degree, and as such, all course work completed for the certificates may be applied to the completion of the AAS degree.

## Program Requirements

Students must earn a "C" or better in all the required ECE, HEC, and HE courses.

## Criminal Background Check

All CGCC students in the Early Childhood Education Program must pass a criminal background check and be enrolled in the Central Background Registry before they are eligible to complete their practicum hours in an early care and education facility.

If a student believes that their criminal history may interfere with their ability to complete the program of study, they should contact the appropriate state board or program director.

## Practicum Requirements

All practicum and seminar courses are graded as Pass ("P") or No Pass ("NP"). To earn a passing grade, students must demonstrate their ability to meet all practicum competencies. Students may retake classes up to three times in order to meet the grade requirement.

To be considered for practicum, students must:

- be enrolled in the Oregon Child Care Division, Central Background Registry
- submit verification of measles immunization
- submit verification of TB Skin Test
- hold a valid Food Handler's Certificate
- hold current Infant/Child First Aid & CPR Card
- complete Recognizing and Reporting Child Care and Abuse (RRCAN)
- complete Introduction to Child Care Health and Safety (ICCHS)
- complete Safe Sleep for Oregon's Infants (SS)
- complete Prevention is Better Than Treatment (PBTT)

Costs associated with the required practicum documentation are the sole responsibility of the student.

Associate of Applied Science

# Early Childhood Education

94 credits

## Career Description

The Early Childhood Education AAS degree is equivalent to a Step 9 in the Oregon Registry and qualifies students for a variety of positions within the field of early childhood education including Family Advocate, Parent Educator, Head Teacher, Quality Improvement Specialist, Child Care Center Director, and many others.

## Course of Study

The AAS degree provides graduates with the ability to know and apply the depth and breadth of all six professional standards and competency areas recognized nationally across the birth through age 8 continuum and settings, with a dedicated focus on young children in birth through age 5 settings.

The degree runs seven consecutive terms, fall of year one through spring of year two. It is designed for full-time students but can also be completed part-time. All required courses and competencies mastered for the ECE Fundamentals and ECE Curriculum certificates apply to the AAS degree.

Students must also meet Associate degree comprehensive requirements and Associate of Applied Science degree requirements.

## Program Outcomes

Students who successfully complete this degree will be able to:

1. Use multidimensional knowledge to make evidence-based decisions for creating and implementing curriculum, teaching practices, and learning environments that are safe, healthy, respectful, culturally and linguistically responsive, supportive and challenging for each.
2. Use knowledge of family structures, positive parental and family development, available community resources, and a variety of communication and engagement skills to establish and sustain respectful, reciprocal relationships that affirm and respect family diversity and engage families in their child's development and learning as collaborative partners.
3. Use observation, documentation, and assessment to inform instruction and planning in early learning settings in ways that are ethically grounded and developmentally, culturally, ability, and linguistically appropriate to promote positive outcomes for each child in partnership with families and professional colleagues.
4. Create an inclusive classroom culture, maintain supportive relationships and interactions with young children and use a broad repertoire of developmentally appropriate, culturally and linguistically relevant, anti-bias and evidence-based teaching skills and strategies that reflect the principles of universal design for learning and meet the needs of each child.
5. Use knowledge of child development and early learning standards to describe how young children learn across core content areas and use this understanding to select or create curriculum that counters biases and stereotypes, fosters young children's interest in the content areas, and facilitates individual and group learning.
6. Use collaborative, reflective, and intentional practice in their work with young children and as members of the early childhood profession.
7. Use knowledge of history, current issues, the NAEYC Code of Ethical Conduct, the mission of the early childhood education profession, and college-level speaking and writing skills to support and advocate for young children, families and the profession.

## Approved Electives

| Course number and title | # credits |
|---|---|
| ECE 167 Bilingual Children's Literature | 1 |
| ECE 177 Multi-age Groups | 1 |
| ECE 179 Child Portfolios in ECE | 1 |
| ECE 185 Field Trips in Early Childhood | 1 |
| ECE 187 Cooking Experiences for Young Children | 1 |
| ECE 188 Block Play and Woodworking for Young Children | 1 |
| ECE 238 Administration of ECE Programs | 3 |
| ED 101 Teachers Make a Difference: Exploring the K-5 Classroom | 1 |
| CG 209 Job Finding Skills | 1 |
| WR 122 or WR122Z Composition II | 4 |
| Up to 3 credits of foreign language | |
| Up to 3 credits of Physical Education (PE) | |
| Up to 3 credits of Set Three Community-based Training (1 credit per 10 hours) | |

**Credit Summary**

| Requirements | Credits |
|---|---|
| Early Childhood Education (ECE) | 52 |
| Health Education (HE) | 4 |
| Consumer & Family Studies (HEC) | 10 |
| Education (ED) | 3 |
| Writing (WR) | 8 |
| General Education Electives | 8 |
| Mathematics (MTH) | 4 |
| ECE Electives | 4 |
| College Guidance & Success (CG) | 1 |

## Prerequisites

Placement into WR 115 and (MTH 65 or MTH 98).

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

### Year One

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Fall | Exploring the ECE Field **or** Explorando el campo de ECE<br>ECE 101, 1 cr | Introduction to Early Childhood Education **or** Introducción a la educación infantil temprana<br>ECE 120, 3 cr | Anti-Bias Practices<br>ECE 124, 3 cr | Children's Health, Nutrition, & Safety<br>HE 262, 3 cr | College Survival and Success: Personal Responsibility<br>CG 101, 1 cr | Introduction to Expository Writing<br>WR 115, 4 cr (or higher) | 15 Credits |
| Winter | Guidance and Classroom Management: Birth to Age 8 **or** Orientación y gestión del aula: desde el nacimiento hasta los 8 años<br>ECE 121, 3 cr | Environments & Curriculum: Birth to Age 8<br>ECE 122, 4 cr | Practicum Orientation<br>ECE 130A, 2 cr | Inclusion of Children with Special Needs<br>ECE 234, 3 cr | ECE Electives<br>2 cr | | 14 Credits |
| Spring | Early Childhood Development: Birth to Age 8 **or** Desarrollo infantil temprano: desde el nacimiento hasta los 8 años<br>ECE 126, 3 cr | Professionalism & Advocacy<br>ECE 200, 3 cr | Art, Music & Movement: Birth to Age 8<br>ECE 235, 3 cr | Language & Literacy in Early Childhood Education<br>ECE 236, 3 cr | Family-Teacher Partnerships and Community Connections<br>HEC 201, 3 cr | First Aid & CPR/AED/Professional Rescuers/Healthcare Providers[1] **or** Primeros auxilios y RCP/SED para rescatistas profesionales y proveedores de atención medica<br>HE 113, 1 cr | 16 Credits |
| Summer | Practicum Seminar 1<br>ECE 130B, 1 cr | Practicum 1<br>ECE 134, 2 cr | Observation, Documentation & Assessment<br>ECE 221, 3 cr | Composition I<br>WR 121Z, 4 cr (or higher) | | | 10 Credits |

### Year Two

| | | | | | | |
|---|---|---|---|---|---|---|
| Fall | Resilience & Wellness for Educators<br>ECE 222, 3 cr | Child Development[2]<br>HEC 226, 4 cr | Beginning Algebra or Quantitative Math<br>MTH 65 or MTH 98, 4 cr (or higher) | General Education Elective Arts & Letters<br>4 cr | | 15 Credits |
| Winter | Supporting Dual Language Learners: Birth to Age 8<br>ECE 223, 3 cr | ECE Elective<br>2 cr | Contemporary Families in the US[2]<br>HEC 202, 3 cr | General Education Elective in Science, Math, or Computer Science<br>4 cr | | 12 Credits |
| Spring | Practicum Seminar 2<br>ECE 130C, 1 cr | Practicum 2<br>ECE 135, 2 cr | S.T.E.A.M.: Birth to Age 8<br>ECE 232, 3 cr | Trauma-Informed Care and Education: Birth to Age 8<br>ECE 237, 3 cr | Civil Rights & Multicultural Issues in Educational Settings[2]<br>ED 219, 3 cr | 12 Credits |

*1 Students with a valid CPR and First Aid card may submit a form to request non-traditional credit.*

*2 Fufills Social Science General Education elective.*

Certificate

# Early Childhood Education Fundamentals

33 credits

## Career Description

The ECE Fundamentals certificate is designed to provide students with the fundamental knowledge and skills necessary to begin a career in Early Childhood Education. It prepares students for a variety of positions in the ECE field, but the main emphasis is on supportive roles, such as classroom or teacher assistants, in settings that serve children birth through age eight.

## Course of Study

The certificate is equivalent to a Step 8 in the Oregon Registry. (The Oregon Registry Steps are a sequence of 12 steps that ECE professionals can ascend as they increase their training and education in the early childhood care and education field. As an ECE professional reaches specific steps they qualify for higher positions in the field.) It addresses all six of the Professional Standards and Competencies for Early Childhood Educators at an introductory to intermediate level. The certificate also provides students with the 120 hours of training needed to sit for the nationally recognized exam to earn the Child Development Associate (CDA) credential.

The ECE Fundamentals certificate runs four consecutive terms, fall through summer. It is designed for part-time students but can be combined with the Early Childhood Education Curriculum certificate to achieve full-time enrollment status. All certificate courses may be applied towards the Early Childhood Education AAS degree.

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Use introductory knowledge of early childhood development and of individual children in the implementation of early childhood curriculum, teaching practices, and learning environments that are safe, healthy, respectful, culturally and linguistically responsive, developmentally appropriate, supportive and challenging for each child.
2. Use knowledge of family structures and available community resources to establish respectful, reciprocal relationships that affirm and respect family diversity and engage families in their child's development and learning as collaborative partners.
3. Use observation, documentation and assessment to inform instruction and planning in early learning settings in ways that are ethically grounded and developmentally, culturally, ability, and linguistically appropriate to promote positive outcomes for each child in partnership with families and professional colleagues.
4. Use supportive relationships and interactions with young children along with developmentally appropriate, culturally and linguistically relevant, anti-bias and evidence-based teaching skills and strategies to meet the needs of each child.
5. Use critical thinking and problem solving to apply knowledge of child development and early learning standards to the implementation of curriculum across content areas, facilitating individual and group learning.
6. Use collaborative, reflective, and intentional practice in their work with young children and as members of the early childhood profession.
7. Use knowledge of history, current issues, the NAEYC Code of Ethical Conduct, and the mission of the early childhood education profession to support and advocate for young children, families and the profession.

## Prerequisites

Placement into WR 115.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Exploring the ECE Field<br>**or**<br>Explorando el campo de ECE<br>ECE 101, 1 cr | Introduction to Early Childhood Education<br>**or**<br>Introducción a la educación Infantil Temprana<br>ECE 120, 3 cr | Anti-Bias Practices<br>ECE 124, 3 cr | College Survival and Success: Personal Responsibility<br>CG 101, 1 cr | | 8 Credits |
| | Winter | Guidance and Classroom Management: Birth to Age 8<br>**or**<br>Orientación y gestión del aula: desde el nacimiento hasta los 8 años<br>ECE 121, 3 cr | Environments & Curriculum: Birth to Age 8<br>ECE 122, 4 cr | Practicum Orientation<br>ECE 130A, 2 cr | | | 9 Credits |
| | Spring | Early Childhood Development: Birth to Age 8<br>**or**<br>Desarrollo infantil temprano: nesde el nacimiento hasta los 8 años<br>ECE 126, 3 cr | Professionalism & Advocacy<br>ECE 200, 3 cr | Family-Teacher Partnerships and Community Connections<br>HEC 201, 3 cr | First Aid & CPR/AED/ Professional Rescuers/ Healthcare Providers[1]<br>**or**<br>Primeros auxilios y RCP/SED para rescatistas profesionales y proveedores de atención medica<br>HE 113, 1 cr | | 10 Credits |
| | Summer | Observation, Documentation & Assessment<br>ECE 221, 3 cr | Practicum Seminar 1<br>ECE 130B, 1 cr | Practicum 1<br>ECE 134, 2 cr | | | 6 Credits |

*1 Students with a valid CPR and First Aid card may submit a form to request non-traditional credit.*

## Credit Summary

| Requirements | Credits |
|---|---|
| Early Childhood Education (ECE) | 28 |
| College Guidance & Success (CG) | 1 |
| Health Education (HE) | 1 |
| Consumer & Family Studies (HEC) | 3 |

Certificate

# Early Childhood Education Curriculum

23 credits

## Career Description

For students not yet working in the field, it is recommended that this certificate be taken alongside or immediately after completing the ECE Fundamentals certificate. Upon completion of both certificates, students will be qualified for teaching positions in private licensed child care programs.

Early childhood professionals currently working in the field as home visitors, assistants, or teachers can apply this coursework towards their required professional development hours and to progress up the Oregon Registry Steps.

## Course of Study

The ECE Curriculum certificate is designed to build upon the fundamentals of ECE and provide additional knowledge and skills for creating and implementing a high-quality curriculum and an inclusive classroom culture for children birth through age eight.

The certificate addresses all six of the Professional Standards and Competencies for Early Childhood Educators, with an emphasis on child development and learning in context (Standard 1), teaching practices that are developmentally, culturally, and linguistically appropriate (Standard 4), and the integration of academic content in the early childhood curriculum (Standard 5).

The certificate runs three consecutive terms, fall through spring. It is designed for part-time students but can be combined with the ECE Fundamentals certificate or additional ECE coursework to achieve full-time enrollment status. All certificate courses may be applied towards the Early Childhood Education AAS degree.

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Use intermediate knowledge of early childhood development and of individual children for creating and implementing curriculum, teaching practices, and learning environments that are safe, healthy, respectful, culturally and linguistically responsive, developmentally appropriate, supportive and challenging for each child.
2. Establish respectful, reciprocal relationships that engage families in their child's development and learning as collaborative partners.
3. Use observation, documentation and assessment to inform instruction and planning in early learning settings.
4. Create an inclusive classroom culture, maintain supportive relationships and interactions with young children and use a broad repertoire of developmentally appropriate, culturally and linguistically relevant, anti-bias and evidence-based teaching skills and strategies that reflect the principles of universal design for learning and meet the needs of each child.
5. Use knowledge of child development and early learning standards to select and create curriculum that counters biases and stereotypes, fosters young children's interest in the content areas, and facilitates individual and group learning.
6. Use collaborative, reflective, and intentional practice in their work with young children and as members of the early childhood profession.
7. Support and advocate for young children in their care.

## Approved Electives

| Course number and title | # credits |
|---|---|
| ECE 167 Bilingual Children's Literature | 1 |
| ECE 177 Multi-age Groups | 1 |
| ECE 179 Child Portfolios in ECE | 1 |
| ECE 185 Field Trips in Early Childhood | 1 |
| ECE 187 Cooking Experiences for Young Children | 1 |
| ECE 188 Block Play and Woodworking for Young Children | 1 |
| ECE 238 Administration of ECE Programs | 3 |
| ED 101 Teachers Make a Difference: Exploring the K-5 Classroom | 1 |
| CG 209 Job Finding Skills | 1 |
| WR 122Z Composition II | 4 |

Up to 3 credits of Physical Education (PE) courses

Up to 3 credits of Set Three Community-based Training (1 credit per 10 hours)

Up to 3 credits of foreign language

## Prerequisites

Placement into WR 115. Recommended: ECE 120 or Step 8 in the Oregon Registry.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | |
|---|---|---|---|---|---|
| **Year One** | Fall | Children's Health, Nutrition & Safety or Resilience & Wellness for Educators<br>HE 262 or ECE 222, 3 cr | Introduction to Expository Writing<br>WR 115, 4 cr (or higher) | College Survival and Success: Personal Responsibility<br>CG 101, 1 cr | 8 Credits |
| | Winter | Inclusion of Children with Special Needs or Supporting Dual Language Learners: Birth to Age 8<br>ECE 234 or ECE 223, 3 cr | ECE Electives<br>3 cr | | 6 Credits |
| | Spring | Early Childhood Development: Birth to Age 8 **or** Desarrollo infantil temprano: nesde el nacimiento hasta los 8 años<br>ECE 126, 3 cr | Art, Music & Movement: Birth to Age 8 or Trauma-Informed Care and Education: Birth to Age 8<br>ECE 235 or ECE 237, 3 cr | Language and Literacy in Early Childhood Education or S.T.E.A.M.: Birth to Age 8<br>ECE 236 or ECE 232, 3cr | 9 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Early Childhood Education (ECE) | 12 |
| ECE Electives | 3 |
| College Guidance & Success (CG) | 1 |
| Health Education (HE) | 3 |
| Writing (WR) | 4 |

Certificate/Certificado

# Initial Early Childhood Education/Educación inicial en la primera infancia

12 credits\créditos

## Career Description

The certificate serves as a strong first step for any career working with children ages 0-8. Upon successful completion, students qualify for the Oregon Registry Step 7 and may be eligible for the following positions: preschool teacher, teaching assistant in PreK to third grade classrooms, childcare center worker. (The Oregon Registry Steps are a sequence of 12 steps that ECE professionals can ascend as they increase their training and education in the field.)

## Descripción de la carrera

Este certificado sirve como un sólido primer paso para cualquier carrera que implique trabajar con niños de 0 a 8 años. Al completarlo con éxito, los estudiantes califican para el Paso 7 del Registro de Oregón (ORO) y pueden ser elegibles para los siguientes puestos: maestro/a de preescolar, asistente de enseñanza en aulas de preescolar hasta tercer grado, y trabajador/a en centros de cuidado infantil. (El Registro de Oregón se compone de 12 niveles o pasos que los profesionales de la educación en la primera infancia pueden alcanzar a medida que aumentan su formación y preparación en el campo.)

## Course of Study

The Initial Early Childhood Education certificate runs four consecutive terms, fall through summer. It is designed for part-time students; however, it can be combined with the ECE Fundamentals certificate, the Early Childhood Education Associate of Applied Science or the Associate of Arts Oregon Transfer degree pathways to achieve full-time enrollment status. All certificate courses may be applied to the completion of the ECE AAS degree.

## Plan de estudios

El certificado de Educación Inicial en la Primera Infancia se ofrece durante tres términos consecutivos, de otoño a primavera. Está diseñado para estudiantes de tiempo parcial; sin embargo, puede combinarse con el certificado de Fundamentos de ECE, la opción de grado de Asociado en Ciencias Aplicadas (AAS) en Educación Infantil Temprana o la vía de Transferencia del grado de Asociado en Artes de Oregón (AAOT) para alcanzar la condición de estudiante de tiempo completo. Todos los cursos del certificado pueden aplicarse al cumplimiento del grado AAS en ECE.

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Recognize developmental, environmental, cultural, and social factors that influence children's behavior.
2. Identify, individually and collectively, appropriate guidance techniques for groups of children based on proven theory, research, and developmentally appropriate practice and list the related developmental theories.
3. Demonstrate positive, respectful, and culturally responsive approaches to guidance.
4. Explain how children learn and develop within relationships and within multiple contexts, including families, cultures, languages, communities, and society.

## Resultados del certificado

Los estudiantes que completen satisfactoriamente este certificado podrán:

1. Reconocer los factores del desarrollo, ambientales, culturales y sociales que influyen en el comportamiento de los niños.
2. Identificar, de manera individual y colectiva, técnicas apropiadas de orientación para grupos deniños basadas en teorías comprobadas, investigación y prácticas apropiadas para el desarrollo, y enumerar las teorías del desarrollo relacionadas.
3. 3. Demostrar enfoques positivos, respetuosos y culturalmente receptivos para la orientación.
4. 4. Explicar cómo los niños aprenden y se desarrollan dentro de las relaciones y en múltiples contextos, incluyendo familias, culturas, idiomas, comunidades y la sociedad.

| Prerequisites/Requisitos previos |
|---|
| Placement into WR 115 / Colocación en WR 115. |

| | | | | |
|---|---|---|---|---|
| Year One | Fall/ Otoño | Exploring the ECE Field<br>or Explorando el campo de ECE<br>ECE 101, 1 cr | Introduction to ECE<br>or Introducción a la educación infantil temprana<br>ECE 120, 3 cr | 4 Credits/Créditos |
| | Winter/ Invierno | Guidance and Classroom Management: Birth to Age 8<br>or Orientación y gestión del aula: esde el nacimiento hasta los 8 años<br>ECE 121, 3 cr | Bilingual Children's Literature<br>ECE 167, 1 cr | 4 Credits/Créditos |
| | Spring/ Primavera | Early Childhood Development: Birth to Age 8<br>**or** Desarrollo infantil temprano: desde el nacimiento hasta los 8 años<br>ECE 126, 3 cr | First Aid and CPR/SED Professional Rescuers/Healthcare Providers<br>**or** Primeros auxilios y RCP/SED para rescatistas profesionales y proveedores de atención médica<br>HE 113, 1 cr | 4 Credits/Créditos |

**Credit Summary / Resumen de Créditos**

| Requirements / Requisitos | Credits |
|---|---|
| Early Childhood Education (ECE) | 11 |
| Health Education (HE) | 1 |

Associate of Arts Oregon Transfer (AAOT):

# Elementary Education

90 credits

## Course of Study

The Associate of Arts Oregon Transfer – Elementary Education degree offers a streamlined path for CGCC students to gain credits and transfer seamlessly to any Oregon public university in pursuit of a bachelor's degree in Elementary Education. This map is beneficial for students who know they want to transfer in Elementary Education, but who may be unsure of their intended transfer destination. CGCC's program aligns with Eastern Oregon University, Oregon State University, Southern Oregon University, University of Oregon, and the Western Oregon University. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the requirements of this major transfer map.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Apply critical thinking to analyze social issues necessary to support the function of public education.
2. Describe culturally-responsive pedagogy and integration of social justice into a teaching philosophy.
3. Identify the ethics and responsibilities necessary to obtain a professional license in the teaching field and clarify career confirmation.

## Prerequisites

Placement into MTH 65 or MTH 98 Quantitative Math (4 credits); WR 115 Introduction to Expository Writing (4 credits) or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Teachers Make a Difference: Exploring the K-5 Classroom<br>ED 101, 1 cr | Child Development<br>HEC 226, 4 cr | Health & Fitness for Life<br>HPE 295, 3 cr | Composition I<br>WR 121Z, 4 cr | College Planning and Survival Skills<br>FYE 100, 4 cr | 16 Credits |
| | Winter | Inclusion of Children with Special Needs<br>ECE 234, 3 cr | Introduction to Cultural Anthropology<br>ATH 103, 4 cr | Composition II<br>122Z, 4 cr | Drawing I<br>ART 230, 3 cr | | 14 Credits |
| | Spring | Civil Rights & Multicultural Issues in Educational Settings<br>ED 219, 3 cr | History of the United States[1]<br>HST 201, 202, or 203, 4 cr | Introduction to Psychology<br>PSY 201Z or PSY 202Z, 4 cr | General Education Electives Arts & Letters<br>3-4 cr | | 14-15 Credits |
| **Year Two** | Fall | Purposes, Structure & Function of Education in a Democracy<br>ED 216, 3 cr | Foundations of Elementary Math I<br>MTH 211, 4 cr | Introduction to Fiction, Drama, or Poetry<br>ENG 104Z, 105Z, or 106Z, 4 cr | General Education Elective Biological Science w/lab<br>4-5 cr | | 15-16 Credits |
| | Winter | Foundations of Elementary Math II<br>MTH 212, 4 cr | Public Speaking<br>COMM 111Z, 4 cr | US Government<br>PS 201 or 202, 4 cr | General Education Elective Earth Science w/lab<br>4-5 cr | | 16-17 Credits |
| | Spring | Elementary Educator Practicum<br>ED 293, 2 cr | Education Practicum Seminar<br>ED 294, 1 cr | Foundations of Elementary Math III<br>MTH 213, 4 cr | General Education Elective Natural Sciences w/ Lab<br>4-5 cr | Electives[2]<br>0-4 cr | 11-15 Credits |

[1]*Satisfies Cultural Literacy outcomes for the AAOT.*

[2]*Work with an advisor to determine the best choices to match university requirements.*

## Credit Summary

| Requirements | Credits |
|---|---|
| Early Childhood Education (ECE) | 3 |
| Education (ED) | 10 |
| Consumer and Family Studies (HEC) | 4 |
| Health & Physical Education (HPE) | 3 |
| Political Science (PH) | 4 |
| Anthropology (ATH) | 4 |
| Psychology (PSY) | 4 |
| History (HST) | 4 |

| | |
|---|---|
| Art (ART) | 3 |
| English (ENG) | 4 |
| Math (MTH) | 12 |
| Communication (COMM) | 4 |
| Writing (WR) | 8 |
| First Year Experience (FYE) | 4 |
| General Education Electives | 15-19 |
| Program Electives | 0-4 |

Associate of Arts Transfer / Associate of Science Transfer:

# Human Development and Family Services

90 credits

## Course of Study

The Associate of Arts Transfer or Associate of Science Transfer in Human Development and Family Services outlines specific course requirements for students at any participating Oregon community college who plan to transfer to a participating four-year public university and earn a Bachelor of Arts or Science in Human Development and Family Services. These maps are beneficial for students who know they want to transfer in the field of Human Development and Family Services, but who may be unsure of their intended transfer destination. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill necessary requirements. Students who are certain of both their major and their intended transfer destination should consult an advisor for information on an existing specific articulation agreement or degree map that will prescribe their course requirements.

## Degree Outcomes

Students who successfully complete the AAT in Human Development and Family Services degree will be able to:

1. Prepare to successfully complete an undergraduate bachelor of arts or science degree in human development related majors, such as family services or child and human services at any public university in Oregon.
2. Apply critical thinking and problem solving to identify and evaluate current challenges in family dynamics in order to propose applicable solutions.
3. Analyze ways in which the interactions of social categories, such as race, ethnicity, social class, gender, religion, sexual orientation, disability, and age, are related to difference, power, and discrimination.
4. Design evidence-based interventions to support individuals and families.
5. Demonstrate an understanding of how family, community, biological, and societal factors influence people across the lifespan.

Students who successfully complete the AST in Human Development and Family Services degree will be able to:

1. Prepare to successfully complete an undergraduate bachelor of arts or science degree in human development related majors, such as family services or child and human services at any public university in Oregon.
2. Demonstrate an understanding of the impact of culture, gender, and social context on individual and family life.
3. Provide evidence-based interventions for presented scenarios using problem solving and critical thinking, as needed.
4. Present viable techniques that prevent problems (e.g., abuse, neglect) and promote health, well-being, and resilience for a variety of demographics.

| Prerequisites |
|---|
| Successful completion of (MTH 65 or MTH 98) and WR 115 or equivalent placement. |

| Core Transfer Map Requirements - 32 credits | | |
|---|---|---|
| Writing | WR 121Z Composition I | 4 credits |
| Math | Choose one: MTH 105Z, MTH 111Z, MTH 112Z, MTH 211 | 4 credits |
| Arts & Letters | Choose two: ART 230, ART 252, COMM 140[1], COMM 218Z, ENG 104Z, ENG 105Z, ENG 106Z, PHL 202 | 8 credits |
| Social Sciences | Required: SOC 204Z[1]<br>Choose one additional: PSY 216, SOC 205Z[1] , SOC 206Z[1] | 8 credits |
| Natural Sciences | Choose two: BI 101, GS 106, GS 107, GS 108, GS 109 | 8 credits |
| **Major Requirement Category - 16-18 credits** | | |
| Family | Required: HEC 202 | 3 credits |
| Human Development | Choose one: PSY 215, ECE 126, HEC 226 | 3-4 credits |
| Intro to Profession | Required: ECE 120 | 3 credits |
| Justice, Diversity, Equity, and Inclusion | Choose one: ECE 124, ED 219, SOC 213, WGS 201 | 3-4 credits |
| Additional AAOT Social Science Course | Choose one: ATH 103, PSY 201Z, PSY 202Z, WGS 202 | 4 |
| **Additional BA-Only Degree Requirements (for students earning the AAT) - 0-24 credits** | | |
| Language Other than English | SPA 101Z, 102Z, 103Z, 201, 202, 203 1st and 2nd year Spanish CLEP testing available (inquire with your CGCC advisor) | 0-24 credits |
| **Electives - 18-42 credits** | | |
| FYE 100 | CGCC Requirement: College Planning and Survival Skills | 4 credits |
| | Electives: Choose any course from the General Education elective list numbered 100 or above that brings the total credits to 90 quarter hours. Work with an advisor to determine the best fit for your transfer university and major. | |

[1]*Satisfies Cultural Literacy outcomes for the AAOT.*

Associate of Science Transfer:

# Psychology

90 credits

## Course of Study

The Associate of Science Transfer in Psychology offers a streamlined path for CGCC students to gain credits and transfer seamlessly to a participating Oregon university in pursuit of a Bachelor of Science in Psychology. This map is beneficial for students who know they want to transfer in Psychology, but who may be unsure of their intended transfer destination. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the necessary requirements. Students who are certain of both their major and their intended transfer destination should consult an advisor for information on an existing specific articulation agreement or degree map that will prescribe their course requirements

## Degree Outcomes

Students who successfully complete this degree will be able to:

1. Describe psychology's major subfields.
2. Express ideas that accurately reflect basic psychological concepts and principles.
3. Demonstrate operational competence in critical thinking and problem solving.
4. Exemplify communication and interpersonal skills (empathy, compassion, understanding relationships, and conflict resolution).
5. Describe the roles of nature vs nurture in human behavioral context.

**Credit Summary**

| Requirements | Credits |
|---|---|
| Psychology (PSY) | 12 |
| Psychology MTM Electives | 28-34 |
| First Year Experience (FYE) | 4 |
| Mathematics (MTH) | 8 |
| Writing (WR) | 8 |
| Communications (COMM) | 4 |
| General Education (Arts & Letters) | 6-8 |
| General Education (Social Sciences) | 6-8 |
| General Education (Biological Sciences) | 8-10 |

| Prerequisites |
|---|
| Successful completion of (MTH 65 or MTH 98) and WR 115 or equivalent placement. |

| | | | | | | |
|---|---|---|---|---|---|---|
| Year One | Fall | College Planning and Survival Skills<br>FYE 100, 4 cr | Composition I<br>WR 121Z, 4 cr | General Education Elective Arts & Letters[1]<br>3-4 cr | Psychology MTM Electives[4]<br>3-4 cr | 15 Credits |
| | Winter | Introduction to Psychology I<br>PSY 201Z, 4 cr | Composition II<br>WR 122Z, 4 cr | General Education Elective Social Sciences[2]<br>3-4 cr | Psychology MTM Electives[4]<br>3-4 cr | 15 Credits |
| | Spring | Introduction to Psychology II<br>PSY 202Z, 4 cr | Public Speaking<br>COMM 111Z, 4 cr | General Education Elective Arts & Letters[1]<br>3-4 cr | Psychology MTM Electives[4]<br>3-4 cr | 15 Credits |
| Year Two | Fall | Lifespan Development<br>PSY 215, 4 cr | Math in Society (or higher)<br>MTH 105Z, 4 cr | Psychology MTM Electives[4]<br>3-4 cr | | 15 Credits |
| | Winter | General Education - Biological Sciences[3]<br>4-5 cr | Elementary Statistics I<br>STAT 243Z 4, cr | Psychology MTM Electives[4]<br>3-4 cr | | 15 Credits |
| | Spring | General Education - Biological Sciences[3]<br>4-5 cr | General Education - Social Sciences[2]<br>3-4 cr | Psychology MTM Electives[4]<br>6-8 cr | | 15 Credits |

| Electives | | |
|---|---|---|
| | **[1]General Education - Arts & Letters** | |
| | Choose any Arts & Letters course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[2]General Education - Social Sciences** | |
| | Choose any Social Science course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[3]General Education - Biological Sciences** | |
| BI101 | Biology | 4 credits |
| BI 121 & 122 | Introduction to Human Anatomy & Physiology I & II | 4 credits |
| BI141 | Habitats: Life of the Forest | 4 credits |
| BI142 | Habitats: Marine Biology | 4 credits |
| BI143 | Habitats: Fresh Water Biology | 4 credits |
| BI 221Z | Principles of Biology: Cells | 5 credits |
| BI 231Z | Human Anatomy & Physiology I | 4 credits |
| BI 232Z | Human Anatomy & Physiology II | 4 credits |
| BI 233Z | Human Anatomy &Physiology III | 4 credits |
| BI 234 | Microbiology | 5 credits |
| | **[4]Psychology MTM Electives** | |
| | Choose any course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-5 credits |

Associate of Arts Transfer/Associate of Science Transfer

# Sociology

90 credits

## Course of Study

The Associate of Arts Transfer (AAT) and the Associate of Science Transfer (AST) in Sociology offer a streamlined path for CGCC students who plan to transfer to a participating four-year public university and earn a Bachelor of Arts or Science in Sociology or Sociology/Anthropology. A Bachelor of Arts (BA) or a Bachelor of Science (BS) degree in Sociology or Sociology/Anthropology is a social science degree that explores the systematic study of social life, social change, and the social causes and consequences of human behavior. Sociology or Sociology/Anthropology students investigate social structure, group life, organizations, societies and how people interact within these contexts. Students graduating with this degree gain new perspectives about social organization, social divisions, and social inequalities.

These maps are beneficial for students who know they want to transfer in Sociology or Sociology/Anthropology, but who may be unsure of their intended transfer destination. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the necessary requirements. Students who are certain of both their major and their intended transfer destination should consult an advisor for information on an existing specific articulation agreement or degree map that will prescribe their course requirements. At CGCC, the primary difference between the AAT and the AST is that the AAT includes a second language requirement.s

## Degree Outcomes

Students who successfully complete the AAT in Sociology degree will be able to:

1. Apply the sociological imagination or other sociological approaches to explain how human experiences relate to social structures and/or cultures across time and space.
2. Analyze how social inequality and systems of power operate across institutions and social categories such as class, race and ethnicity, sex and gender, sexuality, age, etc.
3. Identify root causes of special issues and analyze complex situations through the application of critical thinking and problem solving.
4. Demonstrate the ability to navigate diverse environments as part of workplace collaboration and community engagement.
5. Demonstrate a clear articulation of complex social concepts and reporting through the use of both written and verbal communication.

## Degree Outcomes

Students who successfully complete the AST in Sociology degree will be able to:

1. Apply the sociological imagination or other sociological approaches to explain how human experiences relate to social structures and/or cultures across time and space.
2. Analyze how social inequality and systems of power operate across institutions and social categories such as class, race and ethnicity, sex and gender, sexuality, age, etc.
3. Define and apply foundational concepts such as social structure, stratification, culture, socialization, and inequality (gender, race, age) to analyze social life.
4. Demonstrate awareness and knowledge of key intercultural communication principles and concepts, including the role of social construction and how it perpetuates social inequities.
5. Apply a sociological imagination to analyze how individual lives are shaped by broader social forces, institutions, and global trends.

**Credit Summary AAT**

| Requirements | Credits |
|---|---|
| Sociology (SOC) | 4 |
| Sociology Major Electives (SOC) | 8 |
| Sociology MTM Electives | 0-6 |
| Anthropology (ATH) | 4 |
| Spanish (SPA) | 24 |
| First Year Experience (FYE) | 4 |
| Mathematics/Statistics (MTH/STAT) | 8 |
| Writing (WR) | 8 |
| Communications (COMM) | 4 |
| General Education (Arts & Letters) | 6-8 |
| General Education (Social Sciences) | 6-8 |
| General Education (Biological Sciences) | 8-10 |

**Credit Summary AST**

| Requirements | Credits |
|---|---|
| Sociology (SOC) | 4 |
| Sociology Major Electives (SOC) | 8 |
| Sociology MTM Electives | 24-30 |
| Anthropology (ATH) | 4 |
| First Year Experience (FYE) | 4 |
| Mathematics/Statistics (MTH/STAT) | 8 |
| Writing (WR) | 8 |
| Communications (COMM) | 4 |
| General Education (Arts &Letters) | 6-8 |
| General Education (Social Sciences) | 6-8 |
| General Education (Biological Sciences) | 8-10 |

## Associate of Arts Transfer: Sociology

**Prerequisites**

Successful completion of (MTH 65 or MTH 98) and WR 115 or equivalent placement.

| | | | | | | |
|---|---|---|---|---|---|---|
| Year One | Fall | College Planning and Survival Skills<br>FYE 100, 4 cr | Composition I<br>WR 121Z, 4 cr | Introduction to Cultural Anthropology<br>ATH 103 4 cr | First-year Spanish I<br>SPA 101Z, 4 cr | 16 Credits |
| | Winter | Composition II or Technical Writing<br>WR 122Z or WR 227Z, 4 cr | Introduction to Cultural Antropology<br>ATH 103, 4 cr | General Education Elective<br>Social Sciences[3]<br>3-4 cr | First-year Spanish II<br>SPA 102Z, 4 cr | 16 Credits |
| | Spring | Sociology Major Elective[1]<br>4 cr | Public Speaking<br>COMM 111Z, 4 cr | General Education Elective<br>Arts & Letters[2]<br>3-4 cr | First-year Spanish III<br>SPA 103Z, 4 cr | 15-16 Credits |
| Year Two | Fall | Math in Society (or higher)<br>MTH 105Z, 4 cr | General Education Elective<br>Natural Sciences[4]<br>4-5 cr | Second-year Spanish - First Term<br>SPA 201, 4 cr | Sociology MTM Electives[5]<br>0-3 cr | 12-16 Credits |
| | Winter | Sociology Major Elective[1]<br>4 cr | Elementary Statistics I<br>STAT 243Z, 4 cr | General Education Elective<br>Natural Sciences[4]<br>4-5 cr | Second-year Spanish - Second Term<br>SPA 202, 4 cr | 16-17 Credits |
| | Spring | General Education Elective<br>Arts & Letters[2]<br>3-4 cr | General Education Elective<br>Social Sciences[3]<br>3-4 cr | Second-year Spanish - Third Term<br>SPA 202, 4 cr | Sociology MTM Electives[5]<br>0-3 cr | 10-15 Credits |

| Electives for both AAT and AST in Sociology | | |
|---|---|---|
| | **[1]Sociology Major Electives** | |
| SOC 205Z | Social Change and Institutions | |
| SOC 206Z | Social Problems | |
| SOC 213 | Diversity in the United States | |
| SOC 218 | Sociology of Gender | |
| SOC 219 | Religion & Culture: Social Dimensions | |
| SOC 231 | Sociology of Health and Aging | |
| | **[2]General Education - Arts & Letters** | |
| | Choose any Arts & Letters course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[3]General Education - Social Sciences** | |
| | Choose any Social Science course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[4]General Education -Natural Sciences** | |
| | Choose any Sciences course with a lab from the General Education designation list that has one of the following prefixes: BI, ESR, G, or GS. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 4-5 credits |
| | **[5]Sociology MTM Electives** | |
| | Choose any course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-5 credits |

## Associate of Science Transfer: Sociology

### Prerequisites

Successful completion of (MTH 65 or MTH 98) and WR 115 or equivalent placement.

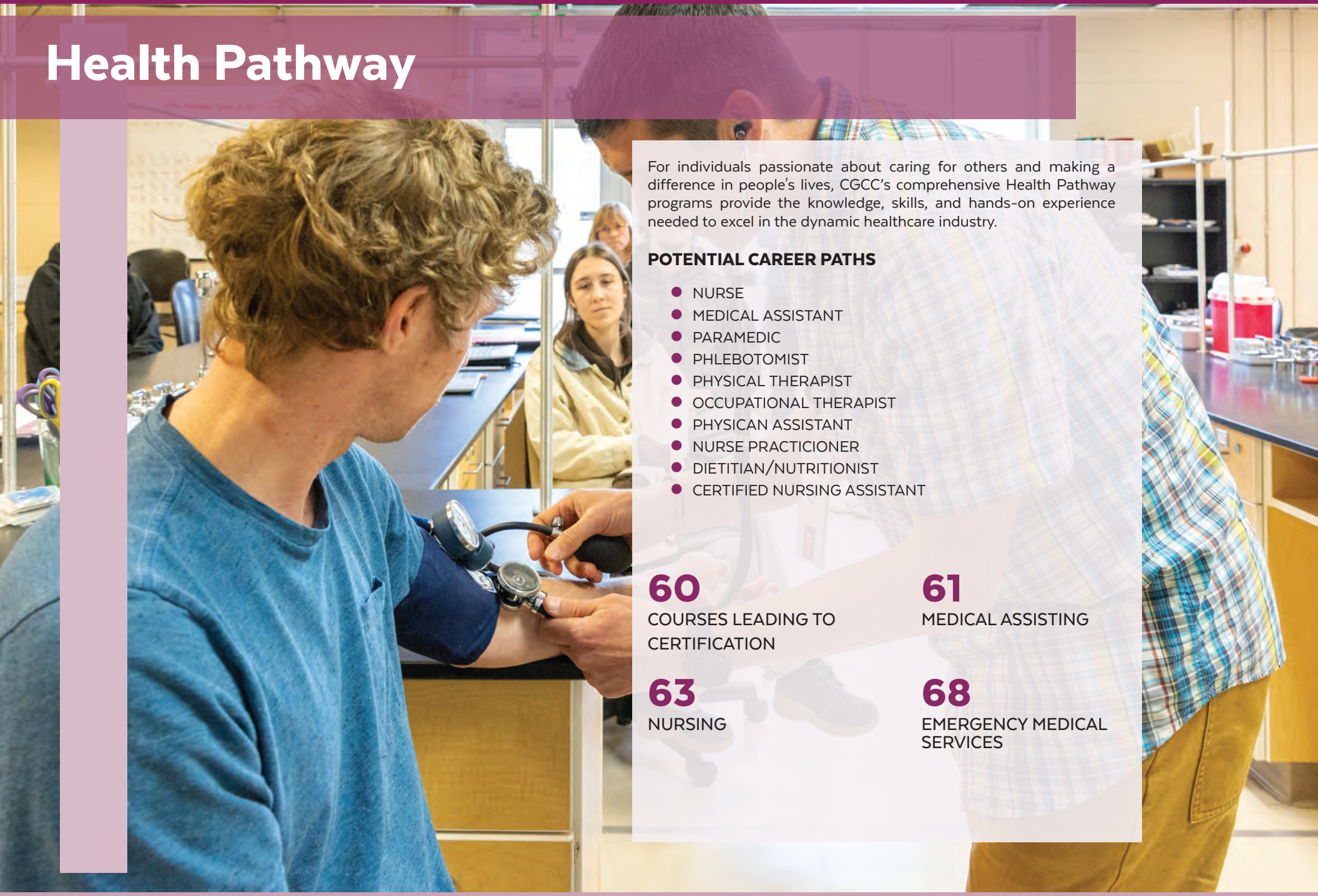
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|---|---|---|---|---|---|---|
| Year One | Fall | College Planning and Survival Skills<br>FYE 100, 4 cr | Composition I<br>WR 121Z, 4 cr | Introduction to Sociology<br>SOC 204Z, 4 cr | Sociology MTM Electives[5]<br>3 cr | 15 Credits |
| | Winter | Composition II or Technical Writing<br>WR 122Z or WR 227Z, 4 cr | Introduction to Cultural Antropology<br>ATH 103, 4 cr | General Education Elective<br>Social Sciences[3]<br>3-4 cr | Sociology MTM Electives[5]<br>3-4 cr | 15 Credits |
| | Spring | Sociology Major Elective[1]<br>4 cr | Public Speaking<br>COMM 111Z, 4 cr | General Education Elective<br>Arts & Letters[2]<br>3-4 cr | Sociology MTM Electives[5]<br>3-4 cr | 15 Credits |
| Year Two | Fall | Math in Society (or higher)<br>MTH 105Z, 4 cr | General Education Elective<br>Natural Sciences[4]<br>4-5 cr | Sociology MTM Electives[5]<br>6-7 cr | | 15 Credits |
| | Winter | Sociology Major Elective[1]<br>4 cr | Elementary Statistics I<br>STAT 243Z 4, cr | General Education Elective<br>Natural Sciences[4]<br>4-5 cr | Sociology MTM Electives[5]<br>3 cr | 15 Credits |
| | Spring | General Education Elective<br>Arts & Letters[2]<br>3-4 cr | General Education Elective<br>Social Sciences[3]<br>3-4 cr | Sociology MTM Electives[5]<br>7-9 cr | | 15 Credits |

### Electives for both AAT and AST in Sociology

| | | |
|---|---|---|
| | **[1]Sociology Major Electives** | |
| SOC 205Z | Social Change and Institutions | |
| SOC 206Z | Social Problems | |
| SOC 213 | Diversity in the United States | |
| SOC 218 | Sociology of Gender | |
| SOC 219 | Religion & Culture: Social Dimensions | |
| SOC 231 | Sociology of Health and Aging | |
| | **[2]General Education - Arts & Letters** | |
| | Choose any Arts & Letters course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[3]General Education - Social Sciences** | |
| | Choose any Social Science course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-4 credits |
| | **[4]General Education -Natural Sciences** | |
| | Choose any Sciences course with a lab from the General Education designation list that has one of the following prefixes: BI, ESR, G, or GS. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 4-5 credits |
| | **[5]Sociology MTM Electives** | |
| | Choose any course from the General Education designation list. May not repeat courses required elsewhere in degree. Work with an advisor to identify best choices for transfer to the university or field of your choice. | 3-5 credits |



# Health Pathway



For individuals passionate about caring for others and making a difference in people's lives, CGCC's comprehensive Health Pathway programs provide the knowledge, skills, and hands-on experience needed to excel in the dynamic healthcare industry.

## POTENTIAL CAREER PATHS

- NURSE
- MEDICAL ASSISTANT
- PARAMEDIC
- PHLEBOTOMIST
- PHYSICAL THERAPIST
- OCCUPATIONAL THERAPIST
- PHYSICAN ASSISTANT
- NURSE PRACTICIONER
- DIETITIAN/NUTRITIONIST
- CERTIFIED NURSING ASSISTANT

**60**
COURSES LEADING TO CERTIFICATION

**61**
MEDICAL ASSISTING

**63**
NURSING

**68**
EMERGENCY MEDICAL SERVICES

Courses leading to
# Health Occupations Certification

## EMT Part I and Part II

EMT Part I and Part II train students in the recognition of symptoms related to illness or injury and the proper procedures of emergency care. Students also observe the EMT's role in the hospital emergency department and ambulance during clinical rotation and ride-along experience. Coursework includes preparation for the National Registry Emergency Technician Exam delivered by the NREMT, which qualifies students to apply for licensure through the Oregon Health Authority. Licensure is required for those individuals wanting to volunteer or work for a local emergency response agency as an Emergency Medical Technician in the State of Oregon. (Credit)

## Advanced Emergency Medical Technician (AEMT)

Introduces the roles and responsibilities of the AEMT, including: emergency pharmacology, venous access, medication administration, airway management, and other advanced patient management skills as defined by the National Registry of Emergency Medical Technicians (NREMT) and Oregon AEMT Scope of Practice in OAR 847-035-0030. Prerequisites: Current certification as an Oregon and or NREMT EMT-Basic, current background check, a current drug screen, and proof of current immunizations outlined at course orientation. Prerequisites: Current certification as an Oregon and or NREMT EMT-Basic, current background check, a current drug screen. Corequisite: proof of current immunizations outlined at course orientation. (Non-credit).

## Emergency Medical Technician Intermediate (EMT-I)

Introduces the roles and responsibilities of the Oregon specific Emergency Medical Technician - Intermediate (EMT-I), including: emergency pharmacology, venous access, medication administration, airway management, cardiac emergency management, and other advanced patient management skills as defined by the Oregon Health Authority EMT-I Scope of Practice in OAR 847-035-0030. Prerequisites: Current certification as an Oregon and or NREMT EMT-Basic, successful class completion and or current certification as an Oregon and or NREMT AEMT, background check, a current drug screen. Corequisite: proof of current immunizations outlined at course orientation. (Non-credit).

## Phlebotomy

The primary focus of this course is to prepare the student with the knowledge and skills required for employment as a phlebotomist. Upon successful completion of this class, the student will understand the concepts related to phlebotomy and the laboratory, including non-analytical factors affecting test results, knowledge about basic anatomical systems related to venipuncture and microcollection, and many of the special tests phlebotomists are required to perform. This course combined with at least 100 hours of on-the-job training will qualify the student to take the National Certifying Agency for Clinical Laboratory Science Phlebotomy Examination. (Non-credit).

Note: These courses are not typically eligible for financial aid. Students participating in clinical experiences must also meet state requirements for immunization and screening.

Certificate

# Medical Assisting

40 credits

## Career Descripton

Those training in the Medical Assisting Program will find occupations involved with administrative and clinical aspects of health care in clinics and physicians' offices. The medical assistant performs a variety of clinical and administrative duties. Clinical duties may include: assisting physicians and preparing patients for examinations and treatment; taking and recording vital signs and medical histories; performing certain diagnostic tests; preparing, administering and documenting medication; collecting and processing specimens. Administrative duties may include: scheduling and receiving patients; maintaining medical records; handling telephone calls; correspondence and reports; insurance matters; office accounts; fees and collections.

## Course of Study

Students must be full-time and receive a grade of "C" or better in all program required courses. The program is designed to correlate classroom and laboratory experience with practical experience in health care facilities. Students are prepared to function under the supervision of a licensed physician. Students must also meet general certificate requirements.

## Certification

Completion of MA certificate allows successful graduates to take a national certification exam of their choice:

- National Healthcare Association (NHA)
- American Medical Technologies (AMT)

## Legal Limitations for Certification

Individuals who have been found guilty of a felony, or pleaded guilty to a felony, may not be eligible to take the certification exams. However, each certifying body may grant a waiver based on mitigating circumstances. Contact the program coordinator for more information.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Perform administrative procedures associated with Medical Office.
2. Perform clinical assisting and laboratory procedures.
3. Create and enter data into different healthcare documents.
4. Apply legal concepts to medical practice.
5. Communicate professionally with patients, coworkers, and providers.
6. To enter the profession proficient in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains laid out by the American Association of Medical Assistants.

## Program Entry Requirements

- Meet with program advisor
- Attend mandatory orientation in September

## Additional Requirements

Enrolled students must meet/pass the following requirements for MA 170, Administrative Practicum, in Fall term and within the designated time frame (any associated costs are at the student's own expense):

- Immunization validation
- TB screening
- A drug screen
- A criminal background check and sex offender check
- Current CPR BLS provider certificate
- Transportation to clinical facilities throughout the Mid-Columbia area

Information regarding these requirements will be distributed in a mandatory orientation in September after enrollment in the MA courses.

A working knowledge and/or background of basic computer skills, including windows, keyboarding, Internet and email is highly recommended.

## Prerequisites

Placement into WR 115.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **One-Year Certificate** | Fall | Electronic Health Records<br>MA 114, 2 cr | Medical Office Administrative Procedures<br>MA 117, 5 cr | Admin Practicum<br>MA 170, 1 cr | Introduction to Health Law & Ethics<br>MP 140, 3 cr | First Aid & CPR/AED/ Professional Rescuers/ Healthcare Providers<br>HE 113, 1 cr | 12 Credits |
| | Winter | Medical Office Communications and Professionalism<br>MA 110, 3 cr | Medical Office Clinical Procedures<br>MA 125, 6 cr | Body Systems, Diseases, and Drug Treatments<br>MA 130, 4 cr | Medical Terminology<br>MP 111, 4 cr | | 17 Credit |
| | Spring | Digital Health & Patient Care<br>MA 115, 2cr | Medical Office Diagnostic Procedures<br>MA 126, 5 cr | Clinical Practicum<br>MA 270, 4 cr | | | 11 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Medical Assisting (MA) | 32 |
| Medical Professions (MP) | 7 |
| Health Education (HE) | 1 |

Associate of Applied Science
# Nursing
94 credits

## Career Description

Registered Nurses (RNs) are essential members of the healthcare team who provide compassionate, evidence-based care to individuals, families, and communities across the lifespan. Utilizing critical thinking, clinical judgment, and technical skills, RNs assess patient needs, develop and implement care plans, administer medications and treatments, and promote health and wellness. They play a key role in patient education, advocacy, and the coordination of care among interdisciplinary teams. RNs may supervise licensed practical nurses and nursing assistants, ensuring high standards of care. They can work in a wide variety of healthcare settings, including hospitals, long-term care facilities, outpatient clinics, schools, community health organizations, and patients' homes. With advanced education and experience, registered nurses can specialize in areas such as pediatrics, emergency care, public health, or mental health, and may pursue roles as nurse leaders, nurse practitioners, clinical nurse specialists, educators, administrators, or researchers. A career as a registered nurse offers diverse opportunities, professional growth, and the ability to make a meaningful impact on the lives of others.

## Course of Study

CGCC is a member of the Oregon Consortium for Nursing Education (OCNE) and offers a competency-based curriculum jointly developed by nursing faculty from the eleven OCNE member community colleges and Oregon Health and Science University (OHSU). 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 into the CGCC program allows for non-competitive admission to OHSU School of Nursing.

The OCNE curriculum is designed as a four-year course of study. The first year is devoted to prerequisite/ preparatory courses required for application and/or admission to the limited entry Nursing Program (the completion of the prerequisite/ preparatory courses may take longer than one academic year). Application and admission to the Nursing Program and successful completion of the second and third years leads to an Associate of Applied Science (AAS) Nursing degree offered by CGCC. This degree provides the educational eligibility for NCLEX-RN licensure testing. CGCC graduates who pass the NCLEX-RN exam have the option to continue the fourth year of the OCNE curriculum at OHSU, which leads to a Bachelor of Science degree, with a major in Nursing (BS,N).

The CGCC Nursing Program is approved by the Oregon State Board of Nursing (OSBN), 17938 SW Upper Boones Ferry Rd., Portland, OR 97224, www.oregon.gov/OSBN.

## Program Outcomes

Students who complete this degree will be able to:

1. Base personal and professional actions on a set of shared core nursing values.
2. Develop insight through reflection, self-analysis, and self-care.
3. Engage in intentional learning.
4. Demonstrate leadership in nursing and health care to meet client needs.
5. Collaborate as part of a health care team.
6. Practice within the broader health care system.
7. Practice relationship-centered care, based on empathy, caring and respect for the autonomy of the client.
8. Communicate effectively and therapeutically.
9. Make sound clinical judgments while maintaining patient and personal safety.
10. Utilize the best available evidence.

## Entry Requirements

Program admission occurs once per year. Deadline for submitting program application material is February 25, 2027, for fall term 2027 admission (see program website for more information and application packet). Transcripts showing satisfactory completion of the math and Anatomy & Physiology I prerequisites and at least 22 other credits of the prerequisite/preparatory courses (minimum of 28 credits) must be in the Student 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. For information and admission instructions, contact the Student Services Office at (541) 506-6011, option 2 or online at cgcc.edu/nursing-admissions.

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 process, 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. 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.

Admitted students must meet/pass the following requirements within designated time frames (any associated costs are at the student's own expense): immunization validation, TB screening, a urine drug screen, a criminal history background and sex offender check, current American Heart Association BLS Healthcare Provider card which does not expire during the two years of the Nursing program. Information regarding these requirements will be distributed in a mandatory orientation in June after acceptance. Students unable to meet these requirements and/or submit documentation of completion to the Nursing department within the designated time frames will have their acceptance into the Nursing program rescinded. CGCC reserves the right to deny admission to any applicant to the Nursing program whose background poses a threat, as determined by CGCC, to the college, nursing profession, and/or health care community.

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 Dalles Campus and clinical practicum in the Columbia Gorge area and will need reliable transportation.

## Legal Limitations

The Oregon State Board of Nursing (OSBN) asks applicants specific questions regarding: physical, mental or emotional conditions; arrests and convictions for criminal offenses; and use of chemical substances in the past five years. The OSBN may deny licensure to or place on probation applicants with convictions for certain crimes. Individuals who may have a past history of chemical abuse, felonies, or believe that past history circumstances may interfere with their ability to sit for the licensure examination should contact the OSBN for recommendations. Applicants may also confer with the Nursing Program Dean regarding concerns with any of these questions.

## Program Progression

Students are required to demonstrate continuous and progressive application of nursing scholarship, safe nursing care, appropriate judgment, critical thinking skills, personal health, and professional accountability, and meet program standards as stated in the Nursing Program Student Handbook. The college reserves the right to retain and progress only those students who satisfy these requirements; any student who does not may be dismissed from the Nursing program. Students must complete both years of the curriculum in sequence and satisfy graduation requirements to earn the Associate of Applied Science (AAS) Degree in Nursing. In order to continue in the Nursing program and progress to the next term, the students must earn a "C" grade or higher in all required nursing courses each term.

## Graduation Requirements

The graduation requirements outlined in this catalog apply only to nursing students admitted to the program during the 2026-2027 academic year. The program of study, graduation requirements, and course are under constant review by the Consortium and CGCC Nursing faculty and are subject to revision. Students contemplating admission in a later year may have different requirements and must obtain the advising guide or catalog for that year. If required courses are graded only on a pass/no pass basis, a grade of "P" for these courses indicates a student earned the equivalent of a "C" or better grade. Students must complete all courses on the advising guide (nursing and non-nursing) with a grade of "C" or better to receive their degree and meet the educational requirements to apply to take the NCLEX-RN.

## Disability Information

Nursing is a physically and mentally challenging occupation. Education related to this field is designed to prepare students for these challenges. Nursing students must be able to meet all established essential academic and clinical requirements, with or without accommodations, to successfully complete the program. Persons with questions concerning particular qualifications are encouraged to contact the Student Support Services Coordinator at (541) 506-6046 for information. Students must provide documentation and request services a minimum of four weeks prior to the beginning of the term to ensure the availability of appropriate and timely services.

Associate of Applied Science
# Nursing
94 credits

## Prerequisites

Limited entry program – prerequisites mandatory for entry

- BI 221Z Principles of Biology: Cells
- BI 231Z Human Anatomy & Physiology I*
- BI 232Z Human Anatomy & Physiology II*
- BI 233Z Human Anatomy & Physiology III*
- BI 234 Microbiology*
- FN 225 Nutrition
- MTH 95 Intermediate Algebra or higher (excluding MTH 98)*
- PSY 201Z Introduction to Psychology I
- PSY 215 Lifespan Development
- WR 121Z Composition I#
- WR 122Z Composition II#

**Electives:**

Any college-level (100 or 200 numbered) transferable non-studio Humanities, Social Science, or Natural Science electives. Students may need to take elective credits in order to meet the minimum of 45 credits required

**Course Completion and GPA Requirement by end of spring term in year of application:**

Completion of a minimum of 45 quarter college credits of courses from the prerequisite list must be completed by the end of spring term in the year of application. Application to the Nursing Program requires a minimum GPA of 3.0 for all completed prerequisite/preparatory courses. If a course has been taken more than once, the most recent grade received will be the course considered.

** Credits need to have been taken within the past 7 years—no exceptions.*

*# WR 121/121Z and either WR 122/122Z or WR 227/227Z (must include research component). A student must have at least 8 credits of Writing*

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | |
|---|---|---|---|---|---|---|
| Year One | Fall | Foundations of Health Assessment & Health Promotion NRS 110, 9 cr | Pathophysiological Processes for Nursing 1 NRS 234, 2 cr | Intermediate Algebra (or higher[1]) MTH 95, 4 cr | Clinical Pharamacology for Nursing 1 NRS 237, 2 cr | 17 Credits |
| | Winter | Foundations of Nursing in Chronic Illness I NRS 111, 6 cr | Clinical Pharmacology for Nursing 2 NRS 238, 2 cr | Pathophysiological Processes for Nursing 2 NRS 235, 2 cr | General Education Elective[2] 4 cr | 14 Credits |
| | Spring | Foundations of Nursing in Acute Care I NRS 112, 6 cr | Clinical Pharmacology for Nursing 3 NRS 239. 2 cr | Pathophysiological Processes for Nursing 3 NRS 236, 2 cr | General Education Elective[2] 4 cr | 14 Credits |
| Year Two | Fall | Nursing in Chronic Illness II & End-of-Life Care NRS 221, 9 cr | General Education Elective[2] 4 cr | Nursing Program Elective[3] 3 cr | | 16 Credits |
| | Winter | Nursing in Acute Care II & End-of-Life Care NRS 222, 9 cr | General Education Elective[2]: Arts & Letters 4 cr | Nursing Program Elective[3] 3 cr | | 16 Credits |
| | Spring | Integrative Practicum NRS 224, 9 cr | Nursing Program Elective[3] 4 cr | Composition II or Technical Writing WR 122Z or WR 227Z, 4 cr | | 17 Credits |

*1 MTH 95 or higher (excluding MTH 98) or any course with a prerequisite of MTH 65 or higher.*

*2 General Education Electives: Students must earn a minimum of 16 credits of approved General Education. The 16 credits must include at least one course with a minimum of three credits from each of the following three discipline areas: Arts & Letters; Social Sciences; Natural science.*

*3 Nursing program electives are any general education elective.*

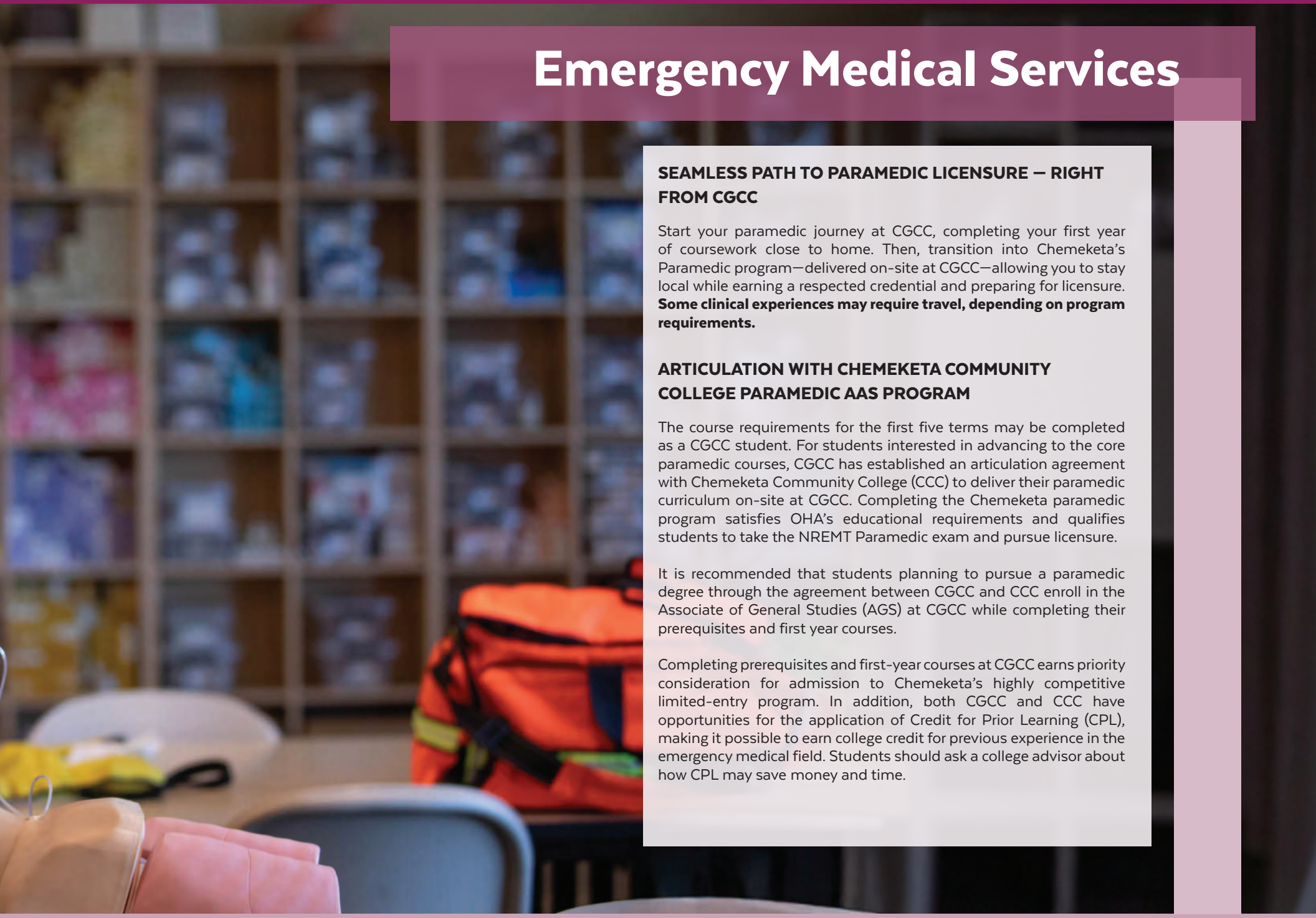
## Credit Summary

| Requirements | Credits |
|---|---|
| Nursing (NRS) | 60 |
| Nursing Program Electives | 10 |
| General Education Electives | 16 |
| Math (MTH) | 4 |
| Writing (WR) | 4 |


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ADVANTA
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OREGON
EMERGENCY MEDICAL TECHNICIAN

# Emergency Medical Services



## SEAMLESS PATH TO PARAMEDIC LICENSURE — RIGHT FROM CGCC

Start your paramedic journey at CGCC, completing your first year of coursework close to home. Then, transition into Chemeketa's Paramedic program—delivered on-site at CGCC—allowing you to stay local while earning a respected credential and preparing for licensure. **Some clinical experiences may require travel, depending on program requirements.**

## ARTICULATION WITH CHEMEKETA COMMUNITY COLLEGE PARAMEDIC AAS PROGRAM

The course requirements for the first five terms may be completed as a CGCC student. For students interested in advancing to the core paramedic courses, CGCC has established an articulation agreement with Chemeketa Community College (CCC) to deliver their paramedic curriculum on-site at CGCC. Completing the Chemeketa paramedic program satisfies OHA's educational requirements and qualifies students to take the NREMT Paramedic exam and pursue licensure.

It is recommended that students planning to pursue a paramedic degree through the agreement between CGCC and CCC enroll in the Associate of General Studies (AGS) at CGCC while completing their prerequisites and first year courses.

Completing prerequisites and first-year courses at CGCC earns priority consideration for admission to Chemeketa's highly competitive limited-entry program. In addition, both CGCC and CCC have opportunities for the application of Credit for Prior Learning (CPL), making it possible to earn college credit for previous experience in the emergency medical field. Students should ask a college advisor about how CPL may save money and time.

Articulation with Chemeketa Community College

# Paramedic, AAS

| Pre/corequisite courses for BI 231 at CGCC - 17 credits | |
|---|---|
| BI 211 or BI221Z | 5 credits |
| WR 121Z | 4 credits |
| CH 100 or Higher | 4 credits |
| MTH 95 | 4 credits |
| **Credit Total** | **17 credits** |

## Career Description

Paramedics are highly skilled emergency medical professionals who deliver advanced prehospital care to critically ill or injured individuals. As vital members of the Emergency Medical Services (EMS) team, paramedics respond to 911 calls, assess patients, administer life-saving treatments, and transport patients to appropriate medical facilities. This dynamic and fast-paced profession requires exceptional clinical knowledge, quick thinking, and the ability to perform effectively under pressure.

To pursue a career as a paramedic, students must complete an accredited paramedic education program that includes classroom instruction, hands-on clinical experiences, and field externships. These educational requirements are aligned with the standards set by the National Registry of Emergency Medical Technicians (NREMT). To qualify for national certification, students must successfully complete the accredited program and pass the NREMT Paramedic cognitive examination.

In Oregon, paramedic licensure is regulated by the Oregon Health Authority (OHA). After earning national certification through the NREMT, applicants must meet OHA requirements, which include passing a background check and maintaining current certifications in CPR and Advanced Cardiac Life Support (ACLS).

## Course of Study

The paramedic program is a 3-year course of study culminating in an Associate of Applied Science (AAS) degree. During the first five terms, students complete general education prerequisites and Emergency Medical Technician (EMT) Level I coursework. Upon successful completion, students are eligible to sit for the National Registry EMT certification exam and apply for EMT Basic licensure through the OHA. An active EMT license is required to proceed to the second year of the program.

The last four terms focus on core paramedic coursework. Upon completion, students earn the AAS degree and become eligible to take the NREMT Paramedic exam. Once certified, they can apply for paramedic licensure in Oregon or any other U.S. state.

| 1st year courses to take through CGCC | | |
|---|---|---|
| BI 231Z, BI 232Z, BI 233Z | Human Anatomy & Physiology I, II, III | 12 credits |
| MTH 95 or higher | Intermediate Algebra | 4 credits |
| MP 111 | Medical Terminology | 4 credits |
| COMM 111Z | Public Speaking | 4 credits |
| PSY 101 | Psychology and Human Relations | 4 credits |
| WR 121Z | Composition I | 4 credits |
| HPE 295 | Health and Fitness for Life | 3 credits |
| EMS 105 and EMS 106 | EMT Part I and Part II | 12 credits |
| EMS 100 | Introduction to Emergency Medical Response | 2 credits |
| EMS 115 | Crisis Intervention | 3 credits |
| | Social Science or Arts & Letters General Education Elective | 3-4 credits |
| | **Credit Total** | **55-56 credits** |

| 2nd year courses delivered by Chemeketa Community College on the CGCC campus | | |
|---|---|---|
| EMT 176 | Response Patient Transport | 2 credits |
| EMT 177 | Emergency Response Communication and Documentation | 2 credits |
| EMT 169 | Emergency Medical Technician Rescue | 4 credits |
| EMT 296 | Paramedic, Part 1 | 14 credits |
| EMT 297 | Paramedic, Part 2 | 14 credits |
| EMT 298 | Paramedic, Part 3 | 4 credits |
| EMT 280H or EMT 280C & 280E | Cooperative Work Experience | 8 credits |
| | **Credit Total** | **48 credits** |




Start Here.
**Stay Here.**
**Become a Paramedic**

# CGCC & Chemeketa Community College

## Partnering in Paramedicine

Certificate

# Emergency Medical Technician

29 credits

## Career Description

An Emergency Medical Technician (EMT) is a healthcare professional trained to deliver basic emergency medical care and transport critically ill or injured patients. EMTs perform essential life-saving interventions, including cardiopulmonary resuscitation (CPR), oxygen administration, basic airway management, bleeding control, and patient stabilization. They serve as a crucial link between the emergency scene and the healthcare system, typically working on ambulances or as part of emergency response teams.

To apply for EMT licensure in Oregon, students must complete an EMT program and earn a certificate of completion from an Oregon community college, in addition to passing the National Registry of Emergency Medical Technicians (NREMT) EMT examination.

## Course of Study

The curriculum for the 28 credit Emergency Medical Technician (EMT) certificate at CGCC is recognized statewide and the coursework is transferable between all community colleges where offered in Oregon. The certificate is fully contained within the Paramedic degree, and, as such, all coursework in the certificate may be applied to the completion of the AAS degree.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Effectively assess patients and make critical decisions in a variety of settings at an EMT entry-level.
2. Competently treat, extricate, and transport patients in a variety of settings at an EMT entry-level.
3. Apply for positions as EMTs with ambulance services either paid or volunteer.
4. Effectively communicate, interact and work appropriately with patients and their family, fellow emergency workers, hospital health care providers, and supervisors.
5. Demonstrate professional and ethical behavior as an EMS health care provider.
6. Demonstrate the knowledge, skills, and critical thinking necessary to sit for the state and National Registry EMT exams.

## Prerequisites

Successful completion of MTH 65 and WR 115, or equivalent placement. Current HCP CPR card. Valid driver's license.

## Suggested Course Sequence

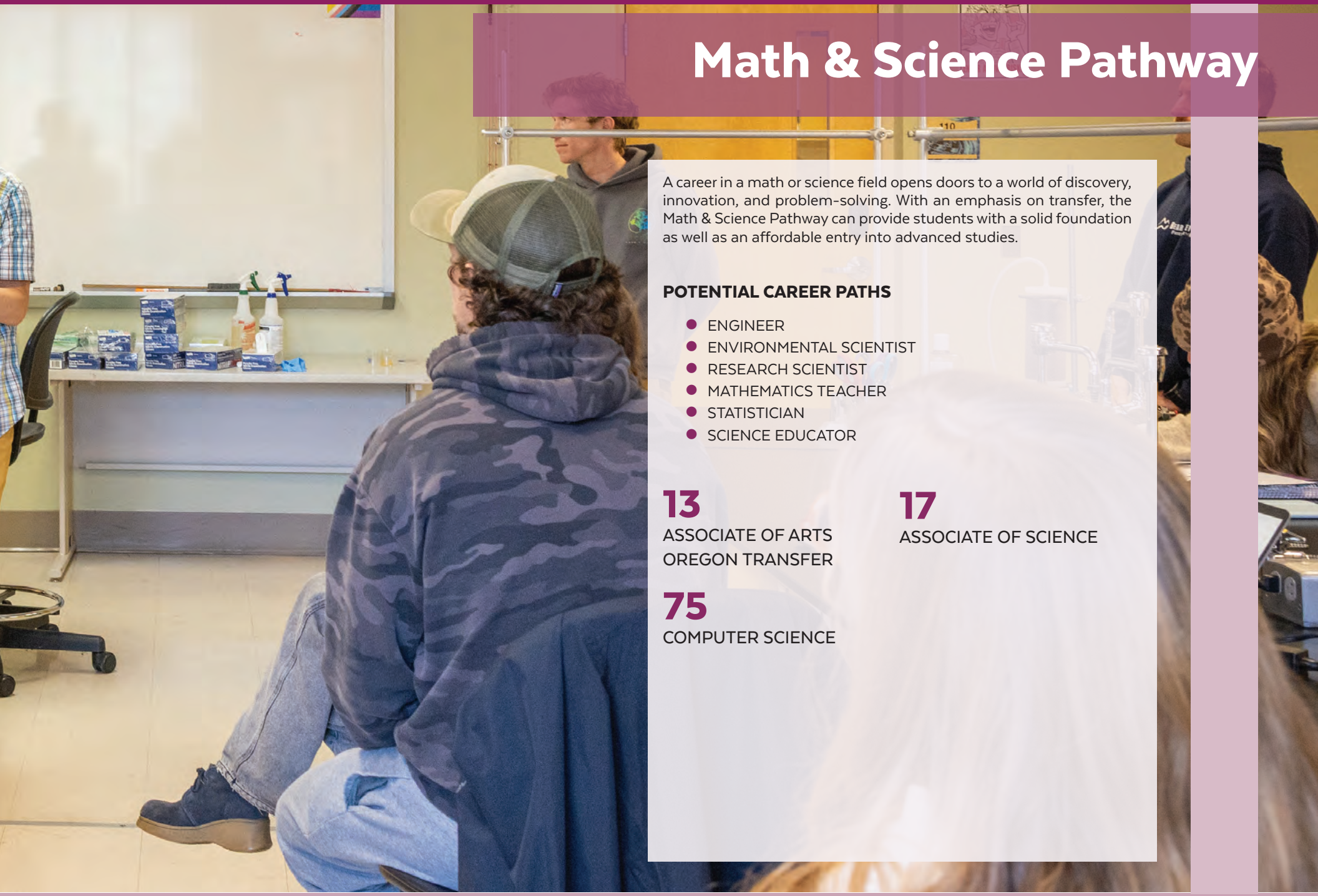
Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | |
|---|---|---|---|---|---|
| Year One | Fall | Introduction to Emergency Medical Services<br>EMS 100, 2 cr | EMT Part I<br>EMS 105, 6 cr | Composition I<br>WR 121, 4 cr | 12 Credits |
| | Winter | EMT Part II<br>EMS 106, 6 cr | Intermediate Algebra<br>MTH 95, 4 cr | | 10 Credits |
| | Spring | Crisis Intervention<br>EMS 115, 3 cr | Medical Terminology<br>MP III, 4 cr | | 7 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Emergency Medical Services (EMS) | 17 |
| Medical Professions (MP) | 4 |
| Mathematics (MTH) | 4 |
| Writing (WR) | 4 |





# Math & Science Pathway

A career in a math or science field opens doors to a world of discovery, innovation, and problem-solving. With an emphasis on transfer, the Math & Science Pathway can provide students with a solid foundation as well as an affordable entry into advanced studies.

**POTENTIAL CAREER PATHS**

- ENGINEER
- ENVIRONMENTAL SCIENTIST
- RESEARCH SCIENTIST
- MATHEMATICS TEACHER
- STATISTICIAN
- SCIENCE EDUCATOR

**13**
ASSOCIATE OF ARTS OREGON TRANSFER

**17**
ASSOCIATE OF SCIENCE

**75**
COMPUTER SCIENCE

Associate of Science Transfer

# Associate of Science Transfer: Computer Science

90 credits

The Associate of Science Transfer – Computer Science degree offers a streamlined path for CGCC students to gain credits and transfer seamlessly to an Oregon university in pursuit of a Bachelor of Science in Computer Science. This map is beneficial for students who know they want to transfer in Computer Science, but who may be unsure of their intended transfer destination. There are two possible transfer paths: CGCC offers the track which aligns with Eastern Oregon University, Southern Oregon University and the Western Oregon University. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the requirements of this major transfer map.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Develop software using both structured and object-oriented paradigms that meets the requirements of a written specification.
2. Explain the software development lifecycle and the specific tools and processes used to create software.
3. 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.
4. Communicate effectively in a variety of professional contexts.
5. Function effectively as a member or leader of a team engaged in activities appropriate to computer science.

## Prerequisites

MTH 95 Intermediate Algebra (4 credits) or equivalent placement; WR 115 Introduction to Expository Writing (4 credits) or equivalent placement

## Coursework: EOU/SOU/WOU TRACK

### Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Year One** | Fall | College Planning and Survival Skills<br>FYE 100, 4 cr | Precalculus I: Functions<br>MTH 111Z, 4 cr | Composition I<br>WR 121Z, 4 cr | General Education Electives<br>Arts & Letters[1]<br>3-4 cr | 15-16 Credits |
| | Winter | Computational Thinking<br>CS 160, 4 cr | Precalculus II: Trigonometry<br>MTH 112Z, 4 cr | Composition II<br>122Z, 4 cr | General Education Electives<br>Social Sciences[1]<br>3-4 cr | 15-16 Credits |
| | Spring | Programming & Problem Solving<br>CS 161, 4 cr | Public Speaking<br>COMM 111Z, 4 cr | General Education Electives<br>Arts & Letters[1]<br>3-4 cr | General Education Electives<br>Social Sciences[1]<br>3-4 cr | 14-16 Credits |
| **Year Two** | Fall | Web Developement and Object-Oriented Programming<br>CS 162, 4 cr | Differential Calculus<br>MTH 251Z, 4 cr | General Education Elective<br>Natural Science w/lab<br>4-5 cr | Program Electives[2]<br>4 | 16-17 Credits |
| | Winter | Data and Algorithms<br>CS 260, 4 cr | Integral Calculus<br>MTH 252Z, 4 cr | General Education Elective<br>Natural Science w/lab<br>4-5 cr | Program Electives[2]<br>0-4 | 12-17 Credits |
| | Spring | Electives[2]<br>12 cr | | | | 12 Credits |

[1]*At least 1 Core Transfer Requirement must satisfy Cultural Literacy outcomes for the AAOT ( qualifying courses are identified on the Gen Ed discipline list in the catalog)*

[2]*Work with an advisor to determine the best electives choices to match university requirements. Total electives are 16-20 credits depending on credits for Science and Arts & Letters Gen Eds.*

### Credit Summary

| Requirements | Credits |
|---|---|
| Computer Science (CS) | 16 |
| Communication (COMM) | 4 |
| Math (MTH) | 16 |
| Writing (WR) | 8 |
| First Year Experience (FYE) | 4 |
| General Education Electives | 20-26 |
| Program Electives | 16-22 |


DGK
NINE
LINE

# Technology & Trades Pathway



For those who are ready to embark on a hands-on career that combines technical skills with innovation, programs in our Technology & Trades Pathway offer a diverse range of options to kickstart the journey.

**POTENTIAL CAREER PATHS**

- AVIATION MECHANIC
- MECHANICAL ENGINEER
- QUALITY CONTROL TECHNICIAN
- CNC MACHINIST
- WELDER
- CONSTRUCTION MANAGER
- UAS OPERATOR
- WIND TURBINE TECHNICIAN
- CONTROL SYSTEMS ENGINEER
- ELECTRICAL ENGINEER

**79**
ADVANCED MANUFACTURING

**89**
AVIATION MAINTENANCE

**97**
CONSTRUCTION TECHNOLOGY

**101**
ELECTRO-MECHANICAL TECHNOLOGY

**105**
UNCREWED AIRCRAFT SYSTEMS

Associate of Applied Science

# Advanced Manufacturing and Fabrication

92 credits

## Career Description

Students completing the Advanced Manufacturing and Fabrication program can follow a variety of career pathways with their training, including, but not limited to: metal fabricators and assemblers; cutting, punching and press machine operators; lathe and turning machine operators; welders, cutters, solderers and brazers; grinding and polishing workers; computer-controlled tool operators and programmers.

## Course of Study

Students completing the 39 credit Advanced Manufacturing Technology certificate at CGCC now have the opportunity to complete a full two-year AAS degree in Advanced Manufacturing and Fabrication with the addition of this second year of classes. The degree adds new skills and processes focusing on higher-technology applications in the manufacturing spectrum. All credits in the Advanced Manufacturing Technology certificate count toward the AAS requirements.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Produce welds to AWS standard in fillet and grooves using GMAW, SMAW and GTAW processes.
2. Demonstrate knowledge of basic CNC operations and G Code.
3. Generate product designs and blueprints using CAD software.
4. Manufacture multi-part assembly products from problem solving process to design and reality, including at quantity production run.
5. Apply basic metallurgical concepts and basic materials science as they pertain to metals to create better production results in manufacturing processes.
6. Demonstrate knowledge of necessary mathematical concepts as they apply to manufacturing.
7. Use critical thinking and problem-solving skills to create more efficient systems of manufacturing.

## Prerequisites

Successful completion of (MTH 65 or MTH 98) and WR 115, or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Basic Manufacturing Processes<br>MFG 150, 3 cr | Blueprint Reading and Design<br>MFG 155, 3 cr | Welding Technology I<br>MFG 195, 3 cr | Math in Society<br>MTH 105Z, 4 cr<br>or higher | Industrial Safety and OSHA 10<br>SAF 188, 1 cr | 14 Credits |
| | Winter | Fabrication Processes 1<br>MFG 151, 3 cr | Integrated Manufacturing 1<br>MFG 156, 3 cr | Aluminum GTAW/TIG Welding<br>MFG 279, 3 cr | Aluminum GTAW/TIG Fabrication Processes 1<br>MFG 281, 3 cr | Stainless Steel GTAW/TIG Welding<br>MFG 285, 3 cr | 15 Credits |
| | Spring | Fabrication Processes 2<br>MFG 152, 3 cr | Integrated Manufacturing 2<br>MFG 157, 3 cr | Aluminum GTAW/TIG Fabrication Processes 2<br>MFG 282, 3 cr | Stainless Steel GTAW/TIG Fabrication 1<br>MFG 286, 3 cr | Stainless Steel GTAW/TIG Fabrication 2<br>MFG 287, 3 cr | 15 Credits |
| **Year Two** | Fall | Introduction to Computer Aided Design and Tolerancing<br>MFG 210, 3 cr | Production Manufacturing 1<br>MFG 220, 3 cr | Metrology 1<br>MFG 230, 3 cr | Composition I & Corequisite<br>WR 121Z, 4 cr<br>& WR 121Q, 1 cr | General Education Elective: Arts & Letters<br>3 cr | 17 Credits |
| | Winter | CAD Design for CNC Manufacturing 1<br>MFG 211, 3 cr | Production Manufacturing 2<br>MFG 221, 3 cr | Metrology 2<br>MFG 231, 3 cr | General Education Elective<br>4 cr | Job Finding Skills<br>CG 209, 1 cr | 14 Credits |
| | Spring | CAD Design for CNC Manufacturing 2<br>MFG 212, 3 cr | Production Manufacturing 3<br>MFG 222, 3 cr | Metrology 3<br>MFG 232, 3 cr | Student Production Manufacturing Lab 1<br>MFG 290, 4 cr | General Education Elective<br>4 cr | 17 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Manufacturing (MFG) | 70 |
| Safety (SAF) | 1 |
| College Guidance and Success | 1 |
| General Education Electives | 11 |
| Mathematics (MTH) | 4 |
| Writing (WR) | 5 |

Associate of Applied Science

# CNC and Additive Manufacturing

90 credits

## Career Description

The CNC and Additive Manufacturing AAS prepares students for employment in existing and new manufacturing fields. Gaining skills in the burgeoning field of additive manufacturing puts students at the cutting edge of manufacturing, opening doors to a broad range of employment opportunities. Specific occupations that students within these fields could be eligible for include:

- Aerospace Engineering and Operations Technologists and Technicians
- Industrial Engineering Technologists and Technicians
- Mechanical Engineering Technologists and Technicians
- Engineering Technologists and Technicians
- Metal Workers and Plastic Workers
- Computer Numerically Controlled Tool Operators
- Computer Numerically Controlled Tool Programmers
- Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

## Course of Study

The CNC and Additive Manufacturing AAS brings together two of CGCC's one-year certificates, the CNC Manufacturing and Quality Control Processes (31 credits) certificate and the Additive Manufacturing Processes (36 credits) certificate. With the addition of general education, writing and math requirements, the 90 credit AAS degree can be earned in two years if attending full-time. The two certificates may be taken in any order, making for a more flexible starting term.

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Demonstrate knowledge of basic CNC operations and G code.
2. Generate product designs and blueprints using CAD software.
3. Apply metallurgical concepts and material science as they pertain to polymers and metals, creating better production results in manufacturing processes.
4. Combine additive manufacturing techniques with traditional reductive manufacturing strategies and demonstrate application benefits that necessitate use of additive manufacturing.
5. Create and modify component designs to be produced with regard to reductive manufacturing strategies and develop production processes to produce them in accordance to blueprints.
6. Create new and modify existing blueprints for production stages using additive manufacturing strategies for reductive manufacturing processes.
7. Use critical thinking and problem-solving skills to create more efficient systems of manufacturing.
8. Apply health and safety handling practices when working with additive manufacturing equipment and materials.

## Prerequisites

Successful completion of (MTH 65 or MTH 98) and WR 115 or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Introduction to Computer Aided Design and Tolerancing<br>MFG 210, 3 cr | Production Manufacturing 1<br>MFG 220, 3 cr | Metrology 1<br>MFG 230, 3 cr | Math in Society<br>MTH 105Z, 4 cr | Industrial Safety and OSHA 10<br>SAF188, 1 cr | | 14 Credits |
| | Winter | CAD Design for CNC Manufacturing 1<br>MFG 211, 3 cr | Production Manufacturing 2<br>MFG 221, 3 cr | Metrology 2<br>MFG 231, 3 cr | Composition I<br>WR 121Z, 4 cr | Corequisite for Composition I<br>WR 121Q, 1cr | Job Finding Skills<br>CG 209, 1 cr | 15 Credits |
| | Spring | CAD Design for CNC Manufacturing 2<br>MFG 212, 3 cr | Production Manufacturing 3<br>MFG 222, 3 cr | Metrology 3<br>MFG 232, 3 cr | Student Production Lab<br>MFG 290, 4 cr | | | 13 Credits |
| **Year Two** | Fall | Fused Deposition Modeling Additive Manufacturing<br>MFG 130, 3 cr | Design for Additive Manufacturing<br>MFG 240, 3 cr | Metal Additive Manufacturing 1<br>MFG 250, 3 cr | Metrology for Additive Manufacturing<br>MFG 260, 3 cr | General Education Elective<br>4 cr | | 16 Credits |
| | Winter | SLA / LCD / DLP Additive Manufacturing<br>MFG 231, 3 cr | Prototyping and Production using Additive Methods<br>MFG 241, 3 cr | Metal Additive Manufacturing 2<br>MFG 251, 3 cr | Iterative Production Manufacturing for Additive Manufacturing<br>MFG 261, 3 cr | General Education Elective<br>4 cr | | 16 Credits |
| | Spring | SLS and Polymer Powder Bed Fusion Additive Manufacturing<br>MFG 132, 3 cr | Scanning and Design to Fit<br>MFG 242, 3 cr | Metal Additive Manufacturing 3<br>MFG 252, 3 cr | Multi-Process and Production Manufacturing<br>MFG 262, 3 cr | General Education Elective<br>4 cr | | 16 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Manufacturing (MFG) | 67 |
| Safety (SAF) | 1 |
| Mathematics (MTH) | 4 |
| Writing (WR) | 5 |
| College Guidance & Success (CG) | 1 |
| General Education | 12 |

Associate of Applied Science

# Fabrication and Additive Manufacturing

97 credits

## Career Description

The Fabrication and Additive Manufacturing AAS prepares students for employment in existing and new manufacturing fields. Gaining skills in the burgeoning field of additive manufacturing puts students at the cutting edge of manufacturing, o ening doors to a broad range of employment opportunities. Specific occupations that students within these fields could be eligible for include:

- Aerospace Engineering and Operations Technologists and Technicians
- Industrial Engineering Technologists and Technicians
- Mechanical Engineering Technologists and Technicians
- Engineering Technologists and Technicians
- Metal Workers and Plastic Workers
- Computer Numerically Controlled Tool Operators
- Computer Numerically Controlled Tool Programmers
- Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

## Course of Study

The Fabrication and Additive Manufacturing AAS brings together two of CGCC's one-year certificates, the Advanced Manufacturing Technology (39 credits) certificate and the Additive Manufacturing Processes (36 credits) certificate. With the addition of general education, writing and math requirements, the 97 credit AAS degree can be earned in two years if attending full-time. The two certificates may be taken in any order, making for a more flexible starting term.

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Demonstrate knowledge of basic CNC operations and G code.
2. Manufacture product from conceptualization to reality through research and development..
3. Apply metallurgical concepts and material science as they pertain to polymers and metals, creating better production results in manufacturing processes.
4. Combine additive manufacturing techniques with traditional fabrication strategies and demonstrate application benefits that necessitate use of additive manufacturing..
5. Create and modify component designs to be produced with regard to fabrication strategies and develop production processes to produce them in accordance to blueprints.
6. Create new and modify existing blueprints for production stages using additive manufacturing strategies for fabrication processes.
7. Use critical thinking and problem-solving skills to create more efficient systems of manufacturing.
8. Apply health and safety handling practices when working with additive manufacturing equipment and materials.

## Prerequisites

Successful completion of (MTH 65 or MTH 98) and (IRW 115 or WR 115), or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Manufacturing Processes MFG 150, 3 cr | Blueprint Reading MFG 155, 3 cr | Welding Technology I MFG 195, 3 cr | Math in Society MTH 105Z, 4 cr | Composition I WR 121Z, 4 cr | Corequisite for Composition I WR 121Q, 1 cr | 18 Credits |
| | Winter | Fabrication Processes MFG 151, 3 cr | Integrated Manufacturing 1 MFG 156, 3 cr | Aluminum GTAW/TIG Welding MFG 280, 3 cr | Aluminum GTAW/TIG Fabrication 1 MFG 281, 3 cr | Stainless Steel GTAW/ TIG Welding MFG 285, 3 cr | Job Finding Skills CG 209, 1 cr | 16 Credits |
| | Spring | Fabrication Processes 2 MFG 152, 3 cr | Integrated Manufacturing 2 MFG 157, 3 cr | Aluminum GTAW/TIG Fabrication Processes 2 MFG 282, 3 cr | Stainless Steel GTAW/ TIG Fabrication 1 MFG 286, 3 cr | Stainless Steel GTAW/ TIG Fabrication 2 MFG 287, 3 cr | | 15 Credits |
| **Year Two** | Fall | Fused Deposition Modeling Additive Manufacturing MFG 130, 3 cr | Design for Additive Manufacturing MFG 240, 3 cr | Metal Additive Manufacturing 1 MFG 250, 3 cr | Metrology for Additive Manufacturing MFG 260, 3 cr | Industrial Safety and OSHA 10 SAF 188, 1 cr | General Education Elective 3 cr | 16 Credits |
| | Winter | SLA / LCD / DLP Additive Manufacturing MFG 131, 3 cr | Prototyping and Production using Additive Methods MFG 241, 3 cr | Metal Additive Manufacturing 2 MFG 251, 3 cr | Iterative Production Manufacturing for Additive Manufacturing MFG 261, 3 cr | General Education Elective 4 cr | | 16 Credits |
| | Spring | SLS and Polymer Powder Bed Fusion Additive Manufacturing MFG 132, 3 cr | Scanning and Design to Fit MFG 242, 3 cr | Metal Additive Manufacturing 3 MFG 252, 3 cr | Multi-Process and Production Manufacturing MFG 262, 43cr | General Education Elective 4 cr | | 16 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Manufacturing (MFG) | 75 |
| Safety (SAF) | 1 |
| Mathematics (MTH) | 4 |
| Writing (WR) | 5 |
| College Guidance & Success (CG) | 1 |
| General Education | 11 |

Certificate

# Advanced Manufacturing Technology

39 credits

## Career Description

Students earning this certificate learn a broad range of skills including the operation of welders and welding common joints, practical fabrication of product, and quality control in the production of items for sale. Jobs can include metal fabricators and assemblers; cutting, punching and press machine operators; lathe and turning machine operators; welders; cutters, solderers and brazers; grinding and polishing workers; computer-controlled tool operators and programmers.

## Course of Study

The 39-credit Advanced Manufacturing Technology certificate includes the technical content courses for the first year of the Advanced Manufacturing and Fabrication AAS, and all credits in the certificate may be applied toward the completion of the AAS degree. The program is designed to prepare students for entry-level employment in a manufacturing environment. The certificate provides instruction in a wide variety of welding and manufacturing processes, including SMAW, GMAW, GTAW (commonly called Stick, Mig, and Tig), as well as blueprint reading and quality control.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Produce welds to AWS D1.2, 1.2 and 1.6 standard in fillet and grooves using GMAW, SMAW and GTAW processes.
2. Demonstrate knowledge of basic CNC operations and G Code.
3. Manufacture product from conceptualization to reality through research and development.
4. Use critical thinking and problem-solving skills to create more efficient systems of manufacturing.
5. Apply basic metallurgical concepts and basic materials science as they pertain to metals, creating better production results in manufacturing processes.
6. Demonstrate knowledge of necessary mathematical concepts as they apply to manufacturing.

## Credit Summary

| Requirements | Credits |
|---|---|
| Manufacturing (MFG) | 39 |

## Prerequisites

None.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

**One Year Program**

| | | | | | | |
|---|---|---|---|---|---|---|
| Fall | Manufacturing Processes<br>MFG 150, 3 cr | Blueprint Reading<br>MFG 155, 3 cr | Welding Technology I<br>MFG 195, 3 cr | | | 9 Credits |
| Winter | Fabrication Processes 1<br>MFG 151, 3 cr | Integrated Manufacturing 1<br>MFG 156, 3 cr | Aluminum GTAW/TIG Welding<br>MFG 279, 3 cr | Aluminum GTAW/TIG Fabrication Processes 1<br>MFG 281, 3 cr | Stainless Steel GTAW/TIG Welding<br>MFG 285, 3 cr | 15 Credits |
| Spring | Fabrication Processes 2<br>MFG 152, 3 cr | Integrated Manufacturing 2<br>MFG 157, 3 cr | Aluminum GTAW/TIG Fabrication Processes 2<br>MFG 282, 3 cr | Stainless Steel GTAW/TIG Fabrication 1<br>MFG 286, 3 cr | Stainless Steel GTAW/TIG Fabrication 2<br>MFG 287, 3 cr | 15 Credits |

## Career Description

This program provides the building blocks of design and manufacturing principles related to CAE, CAD, CAM as well as metallurgical principles for use and function in the manufacturing environment required by but not limited to a CNC Operator, CNC Machinist, CNC Programmer, Quality Control Technician, Coordinate Measuring Machine Operator, Mechanical Designer, Assembly Technician, Process Designer.

## Course of Study

The 31 credit CNC Manufacturing and Quality Control Processes certificate represents the technical courses from the second year of the Advanced Manufacturing and Fabrication AAS degree. Together with the 39 credit Advanced Manufacturing Technology certificate, the manufacturing student has completed 70 credits of the required 91 credits for the AAS.

Certificate

# CNC Manufacturing and Quality Control Processes

31 credits

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Demonstrate knowledge of CNC operations and G Code.
2. Generate product designs and blueprints using CAD software.
3. Manufacture multi-part assembly products, including at quantity production run.
4. Apply basic metallurgical concepts and basic materials science to solve manufacturing problems.
5. Demonstrate knowledge of necessary mathematical concepts as they apply to manufacturing.
6. Use critical thinking and problem-solving skills to create more efficient systems of manufacturing.

**Credit Summary**

| Requirements | Credits |
|---|---|
| Manufacturing (MFG) | 31 |

**Prerequisites**

None.

**Suggested Course Sequence**

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| One Year Program | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Introduction to Computer Aided Design and Tolerancing<br>MFG 210, 3 cr | Production Manufacturing 1<br>MFG 220, 3 cr | Metrology 1<br>MFG 230, 3 cr | | 9 Credits |
| | Winter | CAD Design for CNC Manufacturing 1<br>MFG 211 3 cr | Production Manufacturing 2<br>MFG 221, 3 cr | Metrology 2<br>MFG 231, 3 cr | | 9 Credits |
| | Spring | CAD Design for CNC Manufacturing 2<br>MFG 212, 3 cr | Production Manufacturing 3<br>MFG 222, 3 cr | Metrology 3<br>MFG 232, 3 cr | Student Production Manufacturing Lab<br>MFG 290, 4 cr | 13 Credits |

Certificate

# Additive Manufacturing Processes

36 credits

## Career Description

The Additive Manufacturing Processes certificate prepares students for work in the emerging field of 3d printing of polymer and metal parts. This field puts students at the cutting edge of the newest manufacturing technology, learning to prepare data, create 3d models and geometry acceptable for additive processes.

- Mechanical Engineering Technologists and Technicians
- Computer Numerically Controlled Tool Operators
- Computer Numerically Controlled Tool Programmers
- Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

## Course of Study

The Additive Manufacturing Processes certificate contains 36 credits and can be completed in one year if starting in fall. Because of the unique content of each of the courses, many do not require prerequisites meaning students can start in any term; but it will extend the length of time needed to complete the full certificate. All courses in the Additive Manufacturing Processes certificate are contained within and may be used to fulfill requirements for both the CNC and Additive Manufacturing AAS and the Fabrication and Additive Manufacturing AAS degreesl.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Successfully design and redesign parts for additive manufacturing processes.
2. Operate additive manufacturing equipment and the supporting processes necessary.
3. Post process and check parts additively manufactured for quality.
4. Apply health and safety handling practices when working with additive manufacturing equipment and materials.
5. Program additive manufacturing equipment for repeatable serial production of parts.
6. Demonstrate knowledge of mixed process manufacturing for tight tolerance parts..

## Credit Summary

| Requirements | Credits |
|---|---|
| Manufacturing (MFG) | 36 |

## Prerequisites

None.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| One Year Program | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Fused Deposition Modeling Additive Manufacturing<br>MFG 130, 3 cr | Design for Additive Manufacturing<br>MFG 240, 3 cr | Metal Additive Manufacturing 1<br>MFG 250, 3 cr | Metrology for Additive Manufacturing<br>MFG 260, 3 cr | 12 Credits |
| | Winter | SLA / LCD / DLP Additive Manufacturing<br>MFG 131, 3 cr | Prototyping and Production using Additive Methods<br>MFG 241, 3 cr | Metal Additive Manufacturing 2<br>MFG 251, 3 cr | Iterative Production Manufacturing for Additive Manufacturing<br>MFG 261, 3 cr | 12 Credits |
| | Spring | SLS and Polymer Powder Bed Fusion Additive Manufacturing<br>MFG 132, 3 cr | Scanning and Design to Fit<br>MFG 242, 3 cr | Metal Additive Manufacturing 3<br>MFG 252, 3 cr | Multi-Process and Production Manufacturing<br>MFG 262, 3 cr | 12 Credits |


DGK

Associate of Applied Science

# Aviation Maintenance Technology

104 credits

## Career Description

The Aviation Maintenance Technology (AMT) Associate of Applied Science (AAS) prepares students to test for the Federal Aviation Administration A&P (Airframe and Powerplant) mechanic license. Students with an FAA A&P license may find employment as mechanics in the aviation industry with commercial airlines or at small regional airports. According to Boeing's Pilot & Technician Outlook report for the period of 2019-2038, 769,000 new maintenance technicians will be needed globally over the next 20 years and 193,000 within the U.S. alone. Currently, the number of mechanics retiring will outpace those entering the profession. The Bureau of Labor Statistics and Oregon Employment Department estimate current Oregon Aviation Maintenance jobs to be approximately 1,440 with a projected increase of 13% over the next eight years.

## Course of Study

The Aviation Maintenance Technology AAS degree prepares students in the same FAA required skills as the Aviation Maintenance Technology two-year certificate. The AAS's additional 12 credits of general education courses strengthen students' options for transfer to four-year universities, where they may continue their education by earning a Bachelor's or even Master's degree and gain a competitive advantage in the aviation industry workforce. The Aviation Airframe, Aviation Powerplant and Aviation Maintenance Technology certificates are fully contained in the Aviation Maintenance Technology AAS degree and, as such, all coursework in these certificates may be applied to the completion of the AAS degree. Stackable certificates allow students to apply to take the FAA's General, Airframe and Powerplant licensure exams as each area of coursework is completed.

## Program Outcomes

Students who successfully complete this degree will be able to:

1. Service, maintain, troubleshoot and repair airplanes and rotorcraft.
2. Perform proficient, entry-level aviation maintenance skills.
3. Apply knowledge of FAA regulations and industry standards.
4. Apply math and physics principles in solving problems associated with aviation maintenance.
5. Communicate effectively verbally and in writing.
6. Use critical thinking and problem solving skills to identify and resolve aviation maintenance issues.
7. Work effectively in a team and/or group setting.
8. Sit for the Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant (A&P) airman certificate.

## Prerequisites

Successful completion of WR 115 and MTH 65, or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

**Program Sequence**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Aviation Maintenance: General 101<br>AMT 191, 6 cr | Aviation Maintenance: General 102<br>AMT 192, 6 cr | Math in Society[1]<br>MTH 105Z, 4 cr<br>(or higher) | | 16 Credits |
| | Winter | Aviation Maintenance: General 103<br>AMT 193, 6 cr | Aviation Maintenance: General 104A<br>AMT 194A, 3 cr | Aviation Maintenance: General 104B<br>AMT 194B, 3 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Spring | Aviation Maintenance: General 105<br>AMT 195, 6 cr | Aviation Maintenance: Airframe 1<br>AMT 261, 6 cr | Aviation Maintenance: Airframe 2<br>AMT 262, 6 cr | Psychology and Human Relations[2]<br>PSY 101, 4 cr | 22 Credits |
| | Summer | Aviation Maintenance: Airframe 3<br>AMT 263, 6 cr | Aviation Maintenance: Airframe 4<br>AMT 264, 6 cr | Aviation Maintenance: Airframe Return to Service<br>AMT 281, 3 cr | | 15 Credits |
| | Fall | Aviation Maintenance: Powerplant 1<br>AMT 271, 6 cr | Aviation Maintenance: Powerplant 2<br>AMT 272, 6 cr | | | 12 Credits |
| | Winter | Aviation Maintenance: Powerplant 3<br>AMT 273, 6 cr | Aviation Maintenance: Powerplant 4<br>AMT 274, 6 cr | Aviation Maintenance: Powerplant Return to Service<br>AMT 282, 3 cr | | 15 Credits |
| | Spring | General Education Elective<br>Arts & Letters<br>4 cr | General Education Elective<br>4 cr | | | 8 Credits |

*1 Fulfills Math, Science, Computer Science General Education Electives*

*2 Fulfills Social Science General Education elective.*

## Credit Summary

| Requirements | Credits |
|---|---|
| Aviation Maintenance (AMT) | 84 |
| Mathematics (MTH) | 4 |
| Psychology (PSY) | 4 |
| Writing (WR) | 4 |
| General Education Electives | 8 |

Certificate

# Aviation Maintenance Technology

96 credits

## Career Description

The Aviation Maintenance Technology two-year certificate prepares students to test for the Federal Aviation Administration A&P (Airframe and Powerplant) mechanic license. Students with an FAA A&P license may find employment as mechanics in the aviation industry with commercial airlines or at small regional airports. According to Boeing's Pilot & Technician Outlook report for the period of 2019-2038, 769,000 new maintenance technicians will be needed globally over the next 20 years and 193,000 within the U.S. alone. Currently, the number of mechanics retiring will outpace those entering the profession. The Bureau of Labor Statistics and Oregon Employment Department estimate current Oregon Aviation Maintenance jobs to be approximately 1,440 with a projected increase of 13% over the next eight years.

## Course of Study

The Aviation Maintenance Technology program consists of "stackable" certificates that can lead to the attainment of an Associate of Applied Science (AAS) degree. The Aviation Maintenance Technology certificate prepares students in the same FAA required skills as the Aviation Maintenance Technology AAS degree without the additional 12 credits of general education requirements. Coursework taken in the Aviation Airframe and Aviation Powerplant certificates is fully contained in the Aviation Maintenance Technology certificate, and coursework for all three certificates is wholly contained within the Aviation Maintenance Technology AAS degree. As such, all coursework in these certificates may be applied to the completion of the AAS degree. Stackable certificates allow students to apply to take the FAA's General, Airframe and Powerplant licensure exams upon completion of coursework for each area.

## Program Outcomes

Students who successfully complete this degree will be able to:

1. Service, maintain, troubleshoot and repair airplanes and rotorcraft.
2. Perform proficient, entry-level aviation maintenance skills.
3. Apply knowledge of FAA regulations and industry standards.
4. Think critically, problem solve, and communicate effectively.
5. Apply math and physics principles in solving problems associated with aviation maintenance.
6. Work effectively in a team and/or group setting.
7. Sit for the Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant (A&P) airman certificate.

## Prerequisites

Successful completion of WR 115 and MTH 65, or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

**Program Sequence**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Aviation Maintenance: General 101<br>AMT 191, 6 cr | Aviation Maintenance: General 102<br>AMT 192, 6 cr | Math in Society<br>MTH 105Z, 4 cr<br>(or higher) | | 16 Credits |
| | Winter | Aviation Maintenance: General 103<br>AMT 193, 6 cr | Aviation Maintenance: General 104A<br>AMT 194A, 3 cr | Aviation Maintenance: General 104B<br>AMT 194B, 3 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Spring | Aviation Maintenance: General 105<br>AMT 195, 6 cr | Aviation Maintenance: Airframe 1<br>AMT 261, 6 cr | Aviation Maintenance: Airframe 2<br>AMT 262, 6 cr | Psychology and Human Relations<br>PSY 101, 4 cr | 22 Credits |
| | Summer | Aviation Maintenance: Airframe 3<br>AMT 263, 6 cr | Aviation Maintenance: Airframe 4<br>AMT 264, 6 cr | Aviation Maintenance: Airframe Return to Service<br>AMT 281, 3 cr | | 15 Credits |
| | Fall | Aviation Maintenance: Powerplant 1<br>AMT 271, 6 cr | Aviation Maintenance: Powerplant 2<br>AMT 272, 6 cr | | | 12 Credits |
| | Winter | Aviation Maintenance: Powerplant 3<br>AMT 273, 6 cr | Aviation Maintenance: Powerplant 4<br>AMT 274, 6 cr | Aviation Maintenance: Powerplant Return to Service<br>AMT 282, 3 cr | | 15 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Aviation Maintenance (AMT) | 84 |
| Mathematics (MTH) | 4 |
| Psychology (PSY) | 4 |
| Writing (WR) | 4 |

Certificate

# Aviation Airframe

69 credits

## Career Description

After completing the Aviation Airframe Certificate and successfully passing the Federal Aviation Administration (FAA) exams, students are prepared to enter the aviation workforce as an Aircraft Airframe Structures and Systems Technician. This would typically include repair responsibilities with an MRO (Maintenance, Repair, and Overhaul) facility. These duties could include working with electronics and avionics, structural systems in sheet metal and composites, along with hydraulic and pneumatic systems not associated with the powerplant systems of an aircraft.

## Course of Study

Completion of the Aviation Airframe Certificate adequately prepares students to test for the Airframe portion of the FAA exam. Since full certification in the field of Aviation Maintenance requires passing multiple FAA exams, CGCC has structured its curriculum in a manner which allows students the opportunity to sit for the respective exam after completion of each certificate. This allows students to prepare more efficiently for exams, with the intended result of higher pass rates among students overall. After completion of both the Airframe and Powerplant certificates, students will have completed the two-year certificate and have the option to take additional general education courses to complete the AAS degree.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Service, maintain, troubleshoot and repair airframe structures, systems and components.
2. Perform proficient, entry-level aviation maintenance on aircraft systems, including landing gear systems, instrument and navigation systems, fuel systems and aircraft electrical systems.
3. Apply knowledge of FAA regulations and industry standards.
4. Think critically, problem solve, and communicate effectively.
5. Apply math and physics principles in solving problems associated with aviation maintenance.
6. Work effectively in a team and/or group setting.
7. Sit for the Federal Aviation Administration (FAA) certification exam (written, oral and practical) for airframe

## Prerequisites

Successful completion of WR 115 and MTH 65, or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

**Program Sequence**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Aviation Maintenance: General 101<br>AMT 191, 6 cr | Aviation Maintenance: General 102<br>AMT 192, 6 cr | Math in Society<br>MTH 105Z, 4 cr<br>(or higher) | | 16 Credits |
| | Winter | Aviation Maintenance: General 103<br>AMT 193, 6 cr | Aviation Maintenance: General 104A<br>AMT 194A, 3 cr | Aviation Maintenance: General 104B<br>AMT 194B, 3 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Spring | Aviation Maintenance: General 105<br>AMT 195, 6 cr | Aviation Maintenance: Airframe 1<br>AMT 261, 6 cr | Aviation Maintenance: Airframe 2<br>AMT 262, 6 cr | Psychology and Human Relations<br>PSY 101, 4 cr | 22 Credits |
| | Summer | Aviation Maintenance: Airframe 3<br>AMT 263, 6 cr | Aviation Maintenance: Airframe 4<br>AMT 264, 6 cr | Aviation Maintenance: Airframe Return to Service<br>AMT 281, 3 cr | | 15 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Aviation Maintenance (AMT) | 57 |
| Mathematics (MTH) | 4 |
| Psychology (PSY) | 4 |
| Writing (WR) | 4 |

Certificate

# Aviation Powerplant

69 credits

## Career Description

After completing the Aviation Powerplant certificate and successfully passing the respective Federal Aviation Administration (FAA) exams, students are prepared to enter the aviation workforce as an aircraft powerplant technician and find career opportunities with a MRO (Maintenance/Repair/Overhaul) facility. Duties would typically include engine overhaul and repair, including reciprocating and/or gas turbine systems, working as a Test Cell technician in testing and repairing overhauled engines and their system components such as, fuel metering systems, pneumatic/bleed air system control components. Students are limited by their interface with the airframe systems of the aircraft.

## Course of Study

Completion of the Aviation Powerplant certificate adequately prepares students to test for this portion of the FAA exam. Since full certification in the field of Aviation Maintenance requires passing multiple FAA exams, CGCC has structured its curriculum in a manner which allows students the opportunity to sit for the respective exam after completion of each certificate. This allows students to prepare more efficiently for exams, with the intended result of higher pass rates among students overall. After completion of both the Powerplant and Airframe certificates, students will have completed the two-year certificate and have the option to take additional general education courses to complete the AAS degree.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Service, maintain, troubleshoot and repair powerplant systems and components.
2. Perform proficient, entry-level aviation maintenance skills on powerplant systems, including engine electrical and instrument systems, lubrication systems, ignition and starting systems, propellers, and fire protection systems.
3. Apply knowledge of FAA regulations and industry standards.
4. Think critically, problem solve, and communicate effectively.
5. Apply math and physics principles in solving problems associated with aviation maintenance.
6. Work effectively in a team and/or group setting.
7. Sit for the Federal Aviation Administration (FAA) certification exam (written, oral and practical) for powerplant.

## Prerequisites

Successful completion of WR 115 and MTH 65, or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

**Program Sequence**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Aviation Maintenance: General 101<br>AMT 191, 6 cr | Aviation Maintenance: General 102<br>AMT 192, 6 cr | Math in Society<br>MTH 105Z, 4 cr<br>(or higher) | | 16 Credits |
| | Winter | Aviation Maintenance: General 103<br>AMT 193, 6 cr | Aviation Maintenance: General 104A<br>AMT 194A, 3 cr | Aviation Maintenance: General 104B<br>AMT 194B, 3 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Spring | Aviation Maintenance: General 105<br>AMT 195, 6 cr | Psychology and Human Relations<br>PSY 101, 4 cr | | | 10 Credits |
| | Fall | Aviation Maintenance: Powerplant 1<br>AMT 271, 6 cr | Aviation Maintenance: Powerplant 2<br>AMT 272, 6 cr | | | 12 Credits |
| | Winter | Aviation Maintenance: Powerplant 3<br>AMT 273, 6 cr | Aviation Maintenance: Powerplant 4<br>AMT 274, 6 cr | Aviation Maintenance: Powerplant Return to Service<br>AMT 282, 3 cr | | 15 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Aviation Maintenance (AMT) | 57 |
| Mathematics (MTH) | 4 |
| Psychology (PSY) | 4 |
| Writing (WR) | 4 |

Associate of Applied Science

# Construction Technology

90 credits

## Career Description

Students who successfully complete the Construction Technology AAS degree will be prepared to assist contractors with responsibilities across the construction trades. Graduates will have the skills and knowledge to competitively seek employment as general carpenters with potential for accelerated advancement as project or site managers. Finally, the program introduces students to communication and teamwork skills that employers are seeking in better qualified employees: project leadership skills, ability to communicate/collaborate with clients, and the ability to work cooperatively and efficiently as a member of a team/crew. The program emphasizes hands-on, practical experience and problem-based learning, just as students/workers will encounter on the job.

## Course of Study

CGCC's Construction Program is designed so that students may join a certificate cohort in the fall of any year and apply the courses from that certificate toward the degree. The Construction Technology - Building and the Construction Technology - Finishing certificates are both wholly contained within and apply toward the completion of the Construction Technology AAS degree. Each of these certificates is a year long program, and students may begin with either certificate. By earning 27 additional credits of Math, Writing and General Education, students may earn an AAS degree.

## Program Outcomes

Students who successfully complete this degree will be able to:

1. Apply comprehensive construction skills in building or remodeling structures.
2. Identify area for specialization in the construction industry.
3. Demonstrate professionalism and produce quality work.
4. Use effective communication skills to interact with fellow crew members and supervisor.
5. Use critical thinking skills to evaluate jobsite practices.

## Prerequisites

Successful completion of WR 115 and MTH 65 completed with a grade of "B" or better, or equivalent placement.

**Credit Summary**

| Requirements | Credits |
|---|---|
| Construction Technology (CT) | 66 |
| Mathematics (MTH) | 4 |
| Writing (WR) | 8 |
| General Education Electives | 12 |

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

### OPTION 1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building | Fall | Building Layout<br>CT 100, 3 cr | Residential Concrete<br>CT 102, 3 cr | Building Materials and Methods<br>CT 103, 3 cr | Floor Framing<br>CT 104, 3 cr | Introduction to Expository Writing<br>WR 115, 4 cr | 16 Credits |
| | Winter | Walls and Ceiling Framing<br>CT 105, 3 cr | Roof Framing<br>CT 106, 3 cr | Electrical Basics<br>CT 110, 3 cr | Plumbing Basics<br>CT 111, 3 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Spring | Basic Stair Construction<br>CT 112, 3 cr | Windows and Interior Doors<br>CT 114, 3 cr | Interior and Exterior Finishes<br>CT 115, 3 cr | Math in Society<br>105Z, 4 cr | | 13 Credits |
| Finishing | Fall | Roofing and Siding<br>CT 230, 3 cr | Sheetrock/Drywall Basics<br>CT 231, 3 cr | Flooring Basics<br>CT 232, 3 cr | Green Building Materials and Methods<br>CT 233, 3 cr | General Education Elective<br>4 cr | 16 Credits |
| | Winter | Deck Building<br>CT 113, 3 cr | Advanced Materials and Methods<br>CT 221, 3 cr | Fences, Handrails and Gates<br>CT 223, 3 cr | Prints, Drawings and Plans<br>CT 243, 3 cr | General Education Elective<br>4 cr | 16 Credits |
| | Spring | Commercial Concrete<br>CT 222, 3 cr | Hardware, Adhesives, Sealants and Flashings<br>CT 241, 3 cr | Estimating Labor and Materials<br>CT 242, 3 cr | General Education Elective<br>4 cr | | 13 Credits |

**OR**

### OPTION 2

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Finishing | Fall | Roofing and Siding<br>CT 230, 3 cr | Sheetrock/Drywall Basics<br>CT 231, 3 cr | Flooring Basics<br>CT 232, 3 cr | Green Building Materials and Methods<br>CT 233, 3 cr | Introduction to Expository Writing<br>WR 115, 4 cr | 16 Credits |
| | Winter | Deck Building<br>CT 113, 3 cr | Advanced Materials and Methods<br>CT 221, 3 cr | Fences, Handrails and Gates<br>CT 223, 3 cr | Prints, Drawings and Plans<br>CT 243, 3 cr | Composition I<br>WR 121Z, 4 cr | 16 Credits |
| | Spring | Commercial Concrete<br>CT 222, 3 cr | Hardware, Adhesives, Sealants and Flashings<br>CT 241, 3 cr | Estimating Labor and Materials<br>CT 242, 3 cr | Math in Society<br>105Z, 4 cr | | 13 Credits |
| Building | Fall | Building Layout<br>CT 100, 3 cr | Residential Concrete<br>CT 102, 3 cr | Building Materials and Methods<br>CT 103, 3 cr | Floor Framing<br>CT 104, 3 cr | General Education Elective<br>4 cr | 16 Credits |
| | Winter | Walls and Ceiling Framing<br>CT 105, 3 cr | Roof Framing<br>CT 106, 3 cr | Electrical Basics<br>CT 110, 3 cr | Plumbing Basics<br>CT 111, 3 cr | General Education Elective<br>4 cr | 16 Credits |
| | Spring | Basic Stair Construction<br>CT 112, 3 cr | Windows and Interior Doors<br>CT 114, 3 cr | Interior and Exterior Finishes<br>CT 115, 3 cr | General Education Elective<br>4 cr | | 13 Credits |

Certificate

# Construction Technology—Building

33 credits

## Career Description

Students who successfully complete the Construction Technology—Building certificate will be prepared to meet a variety of contractor needs across the construction trades. Graduates will have the skills and abilities to competitively seek employment as a general carpenter in small and large construction companies. Throughout the 33 credit program, students will have the opportunity to work with many specialty tools and materials, gaining knowledge and skills related to: structural timbers, stick framing, roof framing, labor estimation, installation of lap siding, architectural roofing as well as interior/exterior finishes. Finally, the program introduces students to communication and teamwork skills that employers are seeking in better qualified employees: project leadership skills, ability to communicate/collaborate with clients, and the ability to work cooperatively and efficiently as a member of a team/crew. The program emphasizes hands-on, practical experience and problem-based learning, just as students/workers will encounter on the job.

## Course of Study

The Construction Technology - Building certificate is wholly contained within and applies toward the completion of the Construction Technology AAS degree. Together with the Construction Technology - Finishing certificate, the majority of credits for the AAS are completed. Additional credits of General Education are required to complete the AAS.

**Credit Summary**

| Requirements | Credits |
|---|---|
| Construction (CT) | 33 |

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Explain terms and nomenclature pertaining to the tools, materials and hardware associated with the construction field.
2. Demonstrate the safe and proper use and care of basic construction tools.
3. Perform fundamental construction techniques properly, including foundations, carpentry, basic plumbing and electrical.
4. Apply safe work habits at all times.

**Prerequisites**

Successful completion of MTH 65 or MTH 98 or equivalent placement. Placement into IRW 115 or WR 115.

**Suggested Course Sequence**

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| One Year Certificate | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Building Layout CT 100, 3 cr | Residential Concrete CT 102, 3 cr | Building Materials and Methods CT 103, 3 cr | Floor Framing CT 104, 3 cr | 12 Credits |
| | Winter | Walls and Ceiling Framing CT 105, 3 cr | Roof Framing CT 106, 3 cr | Electrical Basics CT 110, 3 cr | Plumbing Basics CT 111, 3 cr | 12 Credits |
| | Spring | Basic Stair Construction CT 112, 3 cr | Windows and Interior Doors CT 114, 3 cr | Interior and Exterior Finishes CT 115, 3 cr | | 9 Credits |

Certificate

# Construction Technology—Finishing

33 credits

## Career Description

The Construction Technology - Finishing certificate enables students to gain an advanced footing in the high demand construction industry both locally and regionally. The certificate teaches a wide range of skills needed to be successful in the construction trades whether they be concrete, framing, roofing, exterior finishes and everything in between. These techniques teach the requisite skills needed to seek employment using the experience gained upon completing the certificate. Students who complete the 33 credit certificate have the potential to enter the workforce with the knowledge and skills to be a finish carpenter. Finish carpenters focus on the numerous wood details that complete the interior of residential and commercial structures.

## Course of Study

The Construction Technology - Finishing certificate is wholly contained within and applies toward the completion of the Construction Technology AAS degree. Together with the Construction Technology - Building certificate, the majority of credits for the AAS are completed. Additional credits of General Education are required to complete the AAS.

## Program Outcomes

Students who successfully complete this certificate will be able to:

1. Explain terms and nomenclature pertaining to the tools, materials and hardware associated with the construction field.
2. Demonstrate the safe and proper use and care of basic construction tools.
3. Apply safe work habits at all times.
4. Perform fundamental construction techniques properly, including flooring, concrete, drywall, roofing, and exterior finishing details.
5. Communicate effectively with coworkers, industry partners, and clients.
6. Use advanced green building techniques and materials.

## Prerequisites

Successful completion of MTH 98 or placement into MTH 65. Placement into WR 115.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| One Year Certificate | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Roofing and Siding<br>CT 230, 3 cr | Sheetrock/Drywall Basics<br>CT 231, 3 cr | Flooring Basics<br>CT 232, 3 cr | Green Building Materials and Methods<br>CT 233, 3 cr | 12 Credits |
| | Winter | Deck Building<br>CT 113, 3 cr | Advanced Materials and Methods<br>CT 221, 3 cr | Fences, Handrails and Gates<br>CT 223, 3 cr | Prints, Drawings and Plans<br>CT 243, 3 cr | 12 Credits |
| | Spring | Commercial Concrete<br>CT 222, 3 cr | Hardware, Adhesives, Sealants and Flashings<br>CT 241, 3 cr | Estimating Labor and Materials<br>CT 242, 3 cr | | 9 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Construction (CT) | 33 |

Associate of Applied Science

# Electro-Mechanical Technology

97 credits

## Career Description

The Electro-Mechanical Technology (EM-Tech) program provides a solid foundation in automated electronic technologies preparing students to work as technicians in a broad range of industries: wind, solar, hydropower, avionics manufacturing, food and beverage manufacturing, engineering, and others. Electro-mechanical technicians perform a variety of job duties:

- operate and maintain equipment
- perform mechanical and electrical component repair to correct malfunctions following manufacturing requirements
- comply with project environmental health and safety programs
- perform preventative maintenance in accordance with OEM maintenance manuals

Electro-mechanical technicians use electrical and electronic theory to design, build, repair, calibrate, and modify components, circuitry controls, and machinery.

## Course of Study

The Associate of Applied Science degree provides a basic level of knowledge and skills in programmable logic controllers, industrial control systems, semiconductors, and higher levels of math. Students must also meet Associate degree comprehensive requirements and Associate of Applied Science degree requirements.

Students interested in transferring to Oregon Institute of Technology or Embry Riddle Aeronautical University may start their studies at Columbia Gorge Community College (CGCC). Upon completion of their AAS degree in EM-Tech, students can transfer to one of these partner universities and complete a degree in a related engineering field. Students interested in this option are recommended to meet with a CGCC academic advisor and an advisor from their planned transfer institution after their first year of study at CGCC.

## Program Outcomes

Upon successful completion of this degree, students will be able to:

1. Apply knowledge of electrical, mechanical, hydraulic, pneumatic, and semiconductor devices concepts to install, test, service and repair electromechanical, power electronics, power generation, and power transmission systems.
2. Demonstrate proper and safe use of an ohmmeter, voltmeter, ammeter, oscilloscope, and other electrical instrumentation to measure electrical properties in an electrical circuit.
3. Interpret electrical and fluid power schematic diagrams and ladder logic diagrams.
4. Program a PLC using industry recognized programming languages using hard wired and networked digital and analog devices.
5. Demonstrate knowledge of closed loop control of electro-mechanical systems.
6. Effectively interpret and communicate technical information using graphs, charts, tables, and data sheets.
7. Use critical thinking and problem-solving skills to troubleshoot electro-mechanical systems.

## Prerequisites

Successful completion of MTH 65 with a grade of "B" or better, or equivalent placement; WR 115 or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Year One** | Fall | Electrical Circuit Analysis 1<br>EET 111, 5 cr | Industrial Mechanical Systems<br>MEC 123, 5 cr | Technical Math<br>MTH 110, 4 cr<br>(or higher) | Industrial Safety and OSHA 10<br>SAF 188, 1 cr | | 15 Credits |
| | Winter | Electrical Circuit Analysis 2<br>EET 112, 5 cr | Industrial Computing<br>EET 181, 3 cr | Hydraulics and Pneumatics<br>MEC 120, 5 cr | Job Finding Skills<br>CG 209, 1 cr | Composition I<br>WR 121Z, 4 cr | 18 Credits |
| | Spring | Electrical Circuit Analysis 3<br>EET 113, 5 cr | Motor Control<br>EET 141, 5 cr | Mechatronic Systems in Advanced Manufacturing<br>MEC 124, 3 cr | General Education Elective<br>4 cr | | 17 Credits |
| **Year Two** | Fall | Semiconductor Devices and Circuits 1<br>EET 221, 5 cr | Digital Logic & PLCs 1<br>EET 251, 5 cr | General Education Elective<br>4 cr | | | 14 Credits |
| | Winter | Semiconductor Devices and Circuits 2<br>EET 231, 5 cr | Digital Logic & PLCs 2<br>EET 252, 5 cr | Power Generation<br>RET 223, 5 cr | General Education Elective<br>4 cr | | 19 Credits |
| | Spring | Introduction to Uncrewed Aircraft Systems<br>UAS 101, 5 cr | Industrial Control & PLCs<br>EET 273, 5 cr | General Education Elective<br>4 cr | | | 14 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Electronics Engineering Technology (EET) or Uncrewed Aircraft Systems (UAS) | 53 |
| Mechanical Systems (MEC) | 13 |
| Renewable Energy Technology (RET) | 5 |
| College Guidance & Success (CG) | 1 |
| General Education Electives | 16 |
| Mathematics (MTH) | 4 |
| Safety (SAF) | 1 |
| Writing (WR) | 4 |

Career Pathway Certificate

# Electro-Mechanical Technology

42 credits

## Career Description

The Electro-Mechanical Technology program provides a solid foundation in automated electronic technologies preparing students to work as technicians in a broad range of industries: wind, solar, hydropower, avionics manufacturing, food and beverage manufacturing, engineering, and others. Electro-mechanical technicians perform a variety of job duties:

- operate and maintain equipment
- perform mechanical and electrical component repair to correct malfunctions following manufacturing requirements
- comply with project environmental health and safety programs
- perform preventative maintenance in accordance with OEM maintenance manuals

Electro-mechanical technicians use electrical and electronic theory to design, build, repair, calibrate, and modify components, circuitry controls, and machinery.

## Course of Study

This program prepares students for employment in electro-mechanical technology fields. This industry seeks employees with skills in electrical engineering, electronics, mechanics, and motor controls. The Electro-Mechanical Technology career pathway certificate is fully contained in the Associate of Applied Science: Electro-Mechanical Technology degree, and, as such, all coursework in the certificate may be applied to completion of the AAS degree. Dual-credit alignment exists at Hood River Valley High School for MEC 123.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Apply knowledge of electrical, mechanical, hydraulic, and pneumatic concepts to install, test, service and repair electromechanical systems.
2. Demonstrate proper and safe use of an ohmmeter, voltmeter, ammeter, oscilloscope, and other electrical instrumentation to measure electrical properties in an electrical circuit.
3. Interpret electrical and fluid power schematic diagrams and ladder logic diagrams.
4. Effectively interpret and communicate technical information using graphs, charts, tables, and data sheets.
5. Use critical thinking and problem-solving skills to troubleshoot electro-mechanical systems.

## Prerequisites

Successful completion of MTH 65 with a grade of "B" or better or equivalent placement;  WR 115, or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| One-Year Certificate | | | | | | |
|---|---|---|---|---|---|---|
| | Fall | Electrical Circuit Analysis 1<br>EET 111, 5 cr | Industrial Mechanical Systems<br>MEC 123, 5 cr | Industrial Safety and OSHA 10<br>SAF 188, 1 cr | Composition I<br>WR 121Z, 4 cr | 15 Credits |
| | Winter | Electrical Circuit Analysis 2<br>EET 112, 5 cr | Industrical Computing<br>EET 181, 3 cr | Hydraulics and Pneumatics<br>MEC 120, 5 cr | Job Finding Skills<br>CG 209, 1 cr | 14 Credits |
| | Spring | Electrical Circuit Analysis 3<br>EET 113, 5 cr | Motor Control<br>EET 141, 5 cr | Mechatronic Systems in Advanced Manufacturing<br>MEC 124, 3 cr | | 13 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Electronics Engineering Technology (EET) | 23 |
| Mechanical Systems (MEC) | 13 |
| College Guidance & Success (CG) | 1 |
| Safety (SAF) | 1 |
| Writing (WR) | 4 |

Certificate

# Professional Small Uncrewed Aircraft Systems

18 credits

## Career Description

The Professional Small Uncrewed Aircraft Systems (UAS) certificate is designed to prepare students for jobs that include the operation of a UAS to collect relevant data and photographs to inform an industry. These industries could include, agriculture, firefighting, public safety and many more. Career opportunities could be: UAS Operator, Flight Operations Manager, UAS Instructor, or Flight Test Operator to name a few.

## Course of Study

The Professional Small Uncrewed Aircraft Systems (UAS) certificate addresses the fundamentals of UAS operation, including design, applications and FAA regulations. Photogrammetry and infrared cameras will be introduced and their relevance in real-world situations. Individuals who complete the certificate are prepared to sit for the part 107 Remote Pilot exam, Pix4D certification, and the Association of Unmanned Vehicle Systems International (AUVSI) Trusted Operator Program certification, levels 1-3.

## Program Outcomes

Upon successful completion of this certificate, students will be able to:

1. Demonstrate knowledge of UAS systems and the laws and regulations governing airspace and safety.
2. Demonstrate and execute tasks necessary to complete UAS operations and missions.
3. Exemplify a high standard of ethical and professional behavior.
4. Pass AUVSI Trusted Operator Program (TOP) certification exams 1 and 2.

## Prerequisites

Successful completion of IRW 115 or WR 115, and MTH 65 or higher; or equivalent placement.

## Suggested Course Sequence

Sequence shown is a ***recommended*** plan for full-time enrollment. Scheduling requirements may prevent all courses from being offered every term. Students **must** meet with an academic advisor to map their specific degree plan.

| Three Terms | | | | |
|---|---|---|---|---|
| | Fall | Introduction to Uncrewed Aircraft Systems<br>UAS 101, 5 cr | | 5 Credits |
| | Winter | UAS Management<br>UAS 210, 4 cr | | 4 Credits |
| | Spring | sUAS Aerial Photogrammetry<br>UAS 102, 4 cr | sUAS Professional Remote Pilot I<br>UAS 200, 5 cr | 9 Credits |

## Credit Summary

| Requirements | Credits |
|---|---|
| Uncrewed Aircraft Systems (UAS) | 18 |

## NOTICE:

NOTICE: This certificate will be under review during the 2026-27 academic year. During this review, offering of UAS courses may be limited, and the review may result in significant changes or termination of the certificate and/or its courses in 2027-28. Please consult with your academic advisor for current information on certificate status and impacts for students.

# Concentration Awards

Concentration Awards recognize the completion of a cluster of courses in a focused area of study. Some Concentration Awards are within a specific discipline, while others are cross-disciplinary in nature. Such study deepens student knowledge of a chosen field and may help prepare students in choosing a major upon transfer. In addition, students earning this award may find that the inclusion of this recognition on resumes and in letters of application is beneficial. Faculty will be able to write stronger letters of recommendation for such students. Concentration Awards are not the same as degrees or certificates in that they are not sanctioned by the state and do not appear on student transcripts.

Upon successful completion of a Concentration Award (earning a "C" or better in all required courses), students must apply to the associated faculty mentor who will provide written acknowledgment of the student's achievement. Students are encouraged to contact the faculty mentor with any questions they may have regarding the process of earning a Concentration Award and its potential value. The faculty mentor will also be available to discuss the subject area and how it fits within the student's educational goals.

## Gender Studies Concentration Award

Faculty mentor: Mandy Webster; mwebster@cgcc.edu

To earn a Concentration Award in Gender Studies, students must successfully complete a minimum of 16 credits:

**Course Number/Name . . . . . Credits**

Required (4 credits)

WGS 101 Women's and Gender Studies. . . . . 4

Choose a minimum of three courses from the following list (12 credits):

COMM 237 Gender and Communication . . . . . 4
ENG 222 Images of Women in Literature . . . . . 4
ENG 260 Introduction to Women Writers . . . . . 4
HST 225 History of Women, Sex, and the Family . . . . . 4
SOC 218 Sociology of Gender. . . . . 4
WGS 201 Intercultural Gender Studies. . . . . 4
WGS 202 Activism and Social Change. . . . . 4

## Creative Writing Concentration Award

Faculty mentor: Tina Ontiveros; tontiveros@cgcc.edu

To earn a Concentration Award in Creative Writing, students must successfully complete a minimum of 16 credits:

**Course Number/Name . . . . . Credits**

Required (4 credits)

WR 246 Advanced Creative Writing (Edit & Pub). . . . . 4

Choose a minimum of two Creative Writing courses from the list below for a total of eight credits:

WR 240 Creative Writing—Nonfiction . . . . . 4
WR 241 Creative Writing—Fiction . . . . . 4
WR 242 Creative Writing—Poetry . . . . . 4
WR 243 Creative Writing—Scriptwriting. . . . . 4
WR 244 Advanced Creative Writing—Fiction . . . . . 4
WR 245 Advanced Creative Writing—Poetry. . . . . 4
WR 247 Advanced Creative—Scriptwriting . . . . . 4
WR 248 Advanced Creative Writing—Nonfiction. . . . . 4

Choose a minimum of one Literature course. Courses from the list below are preferred but any ENG course is accepted. (4 credits):

ENG 104 Introduction to Fiction . . . . . 4
ENG 105 Introduction to Drama . . . . . 4
ENG 106 Introduction to Poetry . . . . . 4

## Latin American Studies Concentration Award

Faculty mentor: Leigh Hancock; lhancock@cgcc.edu

To earn a Concentration Award in Latin American Studies, students must successfully complete a minimum of 20-24 credits from the following two options:

**Course Number/Name . . . . . Credits**

Required three Spanish language courses from the list below (12 credits):

SPA 101Z First-year Spanish I. . . . . 4
SPA 102Z First-year Spanish II. . . . . 4
SPA 103Z First-year Spanish III . . . . . 4
SPA 201 Second-Year Spanish, First Term. . . . . 4
SPA 202 Second-Year Spanish, Second Term. . . . . 4
SPA 203 Second-Year Spanish, Third Term. . . . . 4

In addition, choose either Option A or Option B to complete the award.

**Option A**

3 additional Spanish language courses for a total of 24 credits

**Option B**

a minimum of two courses from the list below for a total of 20 credits

ATH 235 Survey of Prehistoric Mesoamerica . . . . . 4
ENG 213 Latin American Literature. . . . . 4
HST 270 History of Mexico . . . . . 4

## Northwest Studies Concentration Award

Faculty mentor: Stepehen Shwiff; sshwiff@cgcc.edu

To earn a Concentration Award in Northwest Studies, students must successfully complete a minimum of 11 credits from the following list of courses:

**Course Number/Name . . . . . Credits**

ATH 231 Native Americans of the Northwest . . . . . 4
ENG 214 Literature of the Pacific Northwest . . . . . 4
G 207 Geology of the Pacific Northwest . . . . . 3
HST 240 Oregon History. . . . . 4

## Survey of Mathematical Thinking Concentration Award

Faculty mentor: Abel Wolman; awolman@cgcc.edu

To earn a Concentration Award in Survey of Mathematical Thinking, students must successfully complete a minimum of 16 credits:

**Course Number/Name . . . . . Credits**

Required (12 credits)

CS 160 Computation Thinking. . . . . 4
MTH 140 Mathematics of Games . . . . . 4
STAT 243Z Elementary Statistics I . . . . . 4

**Course Number/Name . . . . . Credits**

Choose a minimum of one course from the list below (4 credits):

MTH 105Z Math in Society . . . . . 4
MTH 110 Technical Math . . . . . 4
MTH 111Z Precalculus I: Functions . . . . . 4
BA 104 Applied Buisness Math . . . . . 4


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# COURSE DESCRIPTIONS

Courses are listed alphabetically, and each course description includes the course title, number of credits earned upon successful completion, course content overview, and prerequisite, co-requisite, or recommended prerequisite courses.

# Courses (by Discipline)

Within the directory, courses are listed alphabetically by the abbreviation (course number) of their subject.

## Lower Division Collegiate Courses


ART Art . . . . . 110-111
ATH Anthropology . . . . . 111
BA Business Administration (BA 104 and BA 188 are not LDC) . . . . . 111-112
BI Biology . . . . . 112-113
CG College Guidance & Success . . . . . 113-114
CH Chemistry . . . . . 114
CHN Chinese . . . . . 114
CIS Computer Information Systems . . . . . 114-115
COMM Communications . . . . . 115
CS Computer Science . . . . . 115
EC Economics . . . . . 116
ED Education . . . . . 118
ENG English . . . . . 119-120
ESR Environmental Science . . . . . 120
ES Ethnic Studies . . . . . 121
FN Food and Nutrition . . . . . 121
FYE First Year Experience . . . . . 121
G Geology . . . . . 121
GS General Science . . . . . 121
HE Health Education . . . . . 121
HEC Consumer and Family Studies (only HEC 202 & HEC 226 are LDC) . . . . . 122
HPE Health and Physical Education . . . . . 122
HST History . . . . . 122
IRW Integrated Reading & Writing . . . . . 122
LIB Library . . . . . 122
MTH Mathematics* . . . . . 125-126
MUS Music . . . . . 126-127
PE Physical Education . . . . . 128
PHL Philosophy . . . . . 129
PS Political Science . . . . . 129
PSY Psychology . . . . . 129-130
RD Reading . . . . . 130
SOC Sociology . . . . . 130
SPA Spanish . . . . . 130-131
STAT Statistics . . . . . 131
TA Theater Arts . . . . . 131
WR Writing . . . . . 132
WGS Women's and Gender Studies . . . . . 132-133


* A course number below 100 within any subject area indicates a support course.

## Support Courses

(Support courses are generally not transferable.)


ALC Alternative Learning Center . . . . . 109


## Career and Technical Education Courses


AMT Aviation Maintenance . . . . . 109-110
APR EMS Apprenticeship Emergency Medical Services . . . . . 110
BA Business Administration (only BA 104 and BA 188 are CTE) . . . . . 111-112
CAS Computer Application Systems . . . . . 113
CT Construction Technology . . . . . 115-116
ECE Early Childhood Education . . . . . 116-118
EET Electronic Engineering Technology . . . . . 118-119
EMS Emergency Medical Services . . . . . 119
HEC Consumer and Family Studies (only HEC 201 is CTE) . . . . . 122
MA Medical Assisting . . . . . 122-123
MEC Mechanical Systems . . . . . 123
MFG Manufacturing . . . . . 123-125
MP Medical Professions . . . . . 125
MUC Professional Music . . . . . 126
NRS Nursing . . . . . 127-128
OS Office Systems . . . . . 128
RET Renewable Energy Technology . . . . . 130
SAF Safety . . . . . 130
UAS Uncrewed Aircraft Systems . . . . . 131-132
WT Web Technologies . . . . . 132


## Alternative Learning Center | ALC

**ALC 51 Foundations of Reading and Writing Lab, 1 Cr.** Improves reading and writing skills such as, but not limited to: grammar, punctuation, essay writing, critical thinking, text analysis, text response, and college success skills. Utilizes computer software, textbooks/workbooks, and tutoring to support students through 30 hours of individualized faculty-led learning, student-centered learning. May be taken three times for credit. Prerequisite: placement into IRW 115 or WR 115. Audit available..

## Aviation Maintenance Technologies | AMT

**AMT 191 Aviation Maintenance: General 101, 6 Cr.** Introduces aircraft cleaning, corrosion control, materials, and aircraft hardware. Covers the selection of appropriate cleaning chemicals and processes. Describes the identification, selection, and installation of aircraft hardware, fluid lines, and fittings. Examines the performance of aircraft processes such as heat treating and hardness testing. Prerequisites: MTH 65 or equivalent placement; placement into IRW 115 or WR 115. Audit available.

**AMT 192 Aviation Maintenance: General 102, 6 Cr.** Examines the government's involvement in aviation maintenance, and FAA regulations regarding aviation maintenance and approved training programs. Emphasizes the use of maintenance publications, maintenance forms and records, and technicians' privileges and limitations. Addresses aircraft weight and balance procedures and associated record keeping, aircraft drawings and ground operations and servicing. Prerequisite: AMT 191. Audit available.

**AMT 193 Aviation Maintenance: General 103, 6 Cr.** Examines the theory and application of basic DC and AC electrical concepts, definitions, and laws. Introduces passive electrical components, electrical sources, schematic symbols, and electrical wiring diagrams. Explains the methods of safe and accurate measurement of DC and AC electrical quantities using basic electrical test equipment. Provides troubleshooting defective components, observing the characteristics of electrical components in test circuits, and wiring circuits from schematic diagrams. Prerequisite: AMT 192. Audit available.

**AMT 194A Aviation Maintenance: General 104A, 3 Cr.** Explores airframe electrical components, including the inspection, service and repair of alternating and direct current electrical systems. Examines the application of electrical principles used in sensing, indicating and control of airframe systems. Prerequisite: AMT 193. Audit available.

**AMT 194B Aviation Maintenance: General 104B, 3 Cr.** Explores engine electrical components, including the

inspection, service and repair of alternating and direct current electrical systems. Examines the application of electrical principles used in sensing, indicating and control of powerplant systems. Prerequisite/concurrent: AMT 194A. Audit available.

**AMT 195 Aviation Maintenance: General 105, 6 Cr.** Examines the use of mechanical and electronic systems in sensing, communicating, and displaying information. Explores solid state and digital devices, sensors, and special circuits used in aircraft instrumentation systems, fuel systems and fire protection systems. Analyzes the methods used in testing, inspecting, and troubleshooting those systems. Prerequisite: AMT 194 or (AMT 194A and AMT 194B). Audit available.

**AMT 261 Aviation Maintenance: Airframe 1, 6 Cr.** Details ice and rain control systems and associated warning systems. Examines the fundamentals of installation, operation and maintenance of airborne communication and navigation instruments, and auto flight systems. Introduces methods of assembly and rigging commonly used in preparing aircraft for a safe test flight. Provides welding fundamentals in relation to aircraft repair. Prerequisite: AMT 195. Audit available.

**AMT 262 Aviation Maintenance: Airframe 2, 6 Cr.** Examines the inspection and repair of aircraft landing gear and hydraulic and pneumatic system components. Introduces various airframe systems, specifically position and warning systems. Prerequisite: AMT 261. Audit available.

**AMT 263 Aviation Maintenance: Airframe 3, 6 Cr.** Introduces sheet metal, its properties, and uses in fabrication of structural and nonstructural components of aerospace vehicles. Addresses inspection techniques along with fabrication and repair processes for bending, cutting, forming, drilling, and riveting aluminum sheet metal parts. Prerequisite: AMT 262. Audit available.

**AMT 264 Aviation Maintenance: Airframe 4, 6 Cr.** Examines the theory and techniques used in the fabrication, inspection, repair, and finishing of bonded structures, plastics, wood structures, fabric covering, honeycomb structures, and advanced composite structures. Details the environmental control systems (head, air conditioning, pressurization, oxygen). Prerequisite: AMT 263. Audit available.

**AMT 271 Aviation Maintenance: Powerplant 1, 6 Cr.** Introduces the theory of operation and construction of the internal combustion engine. Examines the combustion processes, design rationale, cooling and lubrication of internal combustion of reciprocating engines. Prerequisite: AMT 195. Audit available.

**AMT 272 Aviation Maintenance: Powerplant 2, 6 Cr.** Examines the disassembly, assembly, inspection and repair of aircraft turbine engines. Emphasizes the use of technical data, appropriate tools and inspection devices along with special safety procedures related to the servicing, operation and repair of turbine engines. Addresses turbine driven auxiliary power units. Prerequisite: AMT 271. Audit available.

**AMT 273 Aviation Maintenance: Powerplant 3, 6 Cr.** Covers reciprocating and turbine engine ignition system theories and overhaul practices, as well as the relationships of the complete ignition system to the powerplant and its operation. Covers proper inspection of the entire engine installation, including exhaust systems, airflow, and cooling systems. Prerequisite: AMT 272. Audit available.

**AMT 274 Aviation Maintenance: Powerplant 4, 6 Cr.** Introduces the many methods of fuel metering used to move air and fuel into and through an engine in a ratio producing safe and efficient engine operation under widely varying conditions. Examines proper inspection of the entire engine installation, including exhaust and lubrication systems, propellers and unducted fans. Prerequisite: AMT 273. Audit available.

**AMT 281 Aviation Maintenance: Airframe Return to Service, 3 Cr.** Provides diversified projects, supervised field experiences and FAA examination review for Airframe production. Prerequisite: AMT 264. Audit available.

**AMT 282 Aviation Maintenance: Powerplant Return to Service, 3 Cr.** Provides diversified projects, supervised field experiences and FAA examination review for Powerplant operations. Prerequisite: AMT 274. Audit available.

## Apprenticeship Emergency Medical Services | APREMS

**APREMS 100 Introduction to Emergency Medical Services, 2 Cr.** Introduces and integrates knowledge of prehospital Emergency Medical Services (EMS) systems. Explores the history of emergency medical services. Introduces rolls and responsibilities of the provider levels as well as communication systems and documentation. Prerequisites: IRW 115 or WR 115 or equivalent placement. Audit available.

**APREMS 105 EMT Part I, 6 Cr.** Prepares students for entry-level Emergency Medical Technician (EMT) positions, fulfilling both national and state requirements. Provides training in the knowledge and skills necessary to make and implement patient care decisions for a wide range of common acute and non-acute conditions. Covers the Emergency Medical Systems (EMS) of care, and operational knowledge to ensure safe, effective patient care practices. Emphasizes assessment skills, therapeutic communication and cultural sensitivity, promoting professional conduct aligned with the Oregon Health Authority required performance competencies. First course of two-part series. Course sequence requires a mandatory orientation. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65; passing a criminal background check and drug screen. Audit available.

**APREMS 106 EMT Part II, 6 cr.** Prepares students to meet entry-level Emergency Medical Technician (EMT) expectations in alignment with national and state standards. It encompasses an overview of the Emergency Medical Services (EMS) system, and the operational protocols required for safe and effective patient care. Emphasis is placed on core competencies outlined by the Oregon Health Authority, enabling EMTs to respond effectively to urgent and non-urgent medical care requests and facilitate medical transportation to and from emergency or healthcare facilities. Second course in a two-part series. Prerequisites: completion of EMS 105 with a "C" or better; current BLS Card for Health Care Provider and passing a criminal background check and drug screen. Audit available.

## Art | ART

**ART 102 Understanding the Visual Arts, 4 Cr.** Introduces aesthetic, historical, and critical issues of the visual arts. Presents aspects of drawing, painting, sculpture and craft in terms of experiencing, appreciating and understanding these aspects in our lives. The series ART 101 and 102 may be taken in any order. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ART 211 Modern Art History - 19th Century Art in Europe & America, 4 Cr.** Examines the visual arts of the 19th century in Europe and America. Explores the beginnings of the modern world and societies focusing on the effects of societal changes to gain insight into our modern world. Surveys 19th century historical art movements and styles, including: Neoclassicism, Realism, Post-Impressionism, Art Nouveau, and Symbolism. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ART 212 Modern Art History - Early 20th Century Art, 4 Cr.** Explores early 20th century art works and revolutions in science and technology, psychology and philosophy. Examines and analyzes the visual arts to reveal some effects of those changes, and to gain insight into our modern world. Surveys 20th century modern movements, such as: Expressionism, Cubism, Futurism, Minimalism and Photorealism. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ART 230 Drawing I, 3 Cr.** Covers basic perceptual drawing techniques and tools as well as the understanding of the language of drawing in historical and contemporary contexts.

Develops critical skills for sighting, measuring, designing and constructing in drawing. Audit available.

**ART 232 Drawing II - Studio, 3 Cr.** Deepens basic drawing skills explored in ART 230 to encourage the development of individual style. Reinforces the conceptual framework for critical analysis along with basic art theory. May be taken two times for credit. Prerequisite: ART 230. Audit available.

**ART 252 Ceramics I, 3 Cr.** Introduces ceramic processes, techniques and concepts through demonstrations and hands-on studio experience. Develops strategies for creative problem solving in the creation of original work. Establishes critical skills necessary to evaluate personal and formal ceramic works, explore artistic intent, examine aesthetic and structural solutions, and expand perceptual awareness. Explores historical and contemporary issues related to materials and form. Audit available.

**ART 254 Ceramics II - Studio, 3 Cr.** Provides semi-directed studio time to deepen understanding of basic ceramics processes, techniques and concepts introduced in ART 252. Encourages the development of individual style, character and self-identity while strengthening the ability to self-critique. May be taken two times for credit. Prerequisite: ART 252. Audit available.

**ART 269 Printmaking I, 3 Cr.** Explores printmaking processes, techniques, and concepts while addressing historical and contemporary issues. Develops creative problem solving by utilizing monoprints, relief and basic intaglio processes. Includes critiques, discussions, and presentations to establish critical skills necessary to evaluate prints, explore artistic intent, examine aesthetic and structural solutions, and expand perceptual awareness. Audit available.

**ART 271 Printmaking II - Studio, 3 Cr.** Continues the exploration of printmaking processes, techniques, and concepts. Emphasizes the development and practice of skills and knowledge attained in ART 269, encouraging the development of individual style. Furthers creative problem solving by utilizing more complex printmaking processes. May be taken two times for credit. Prerequisite: ART 269. Audit available.

**ART 280 Painting Basics, 3 Cr.** Introduces basic perceptual painting techniques and tools as well as the understanding of the language of painting in historical and contemporary contexts. Draws on the rich cultural diversity that exists in the field as a vehicle for developing personal self-expression. Develops critical skills for composing and synchronizing both tonal and color temperature scales to achieve a successful painting. Audit available.

**ART 286 Watercolor I, 3 Cr.** Explores basic studio watercolor painting techniques, materials, and concepts while addressing historical and contemporary issues to increase visual literacy. Presents a conceptual framework for critical analysis along with basic art theory. Audit available.

**ART 287 Watercolor II - Studio, 3 Cr.** Explores more advanced studio watercolor painting techniques, materials, and concepts to encourage the development of individual style. Reinforces the conceptual framework for critical analysis along with basic art theory. May be taken two times for credit. Prerequisite: ART 286. Audit available.

## Anthropology | ATH

**ATH 101 Introduction to Physical Anthropology, 4 Cr.** Presents physical anthropology and the study of human biological evolution in the context of modern genetics and primate behavior studies. Examines bio-cultural variation, the human fossil record, adaptive significance, as well as the diversity and commonality of present and ancestral populations. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ATH 102 Introduction to Archaeology and Prehistory, 4 Cr.** Explores archaeological methods and techniques used to recover, analyze, and reconstruct ancient cultures and societies, including the ethics and issues of looting, collecting, and preservation of artifacts. Provides a survey of world prehistory while emphasizing the development of social complexity and the origins of agriculture. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ATH 103 Introduction to Cultural Anthropology, 4 Cr.** Examines modern human cultures through a cross-cultural and comparative approach. Explores language, technology, subsistence, economics, sociopolitical systems, religions, and human expression through ethnographic examples to better understand global diversity and the dynamics of culture change. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ATH 208 Introduction to Ethnography, 4 Cr.** Explores the patterns found in culture through ethnographic descriptions of contemporary peoples. Introduces ethnographic research methods and theories for studying and interpreting societies. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ATH 231 Native Americans of the Northwest, 4 Cr.** Surveys the origins, development, and cultural variation of Native peoples in Oregon, Washington, Alaska, and Southwest Canada. Explores the historical and contemporary achievements of tribal lifeways within the Northwest region. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ATH 235 Survey of Prehistoric Mesoamerica, 4 Cr.** Examines the development of pre-contact Mesoamerican indigenous cultures from the earliest known Paleo-Indian occupation to the impact of the Spanish invasion, surveying the dynamics of economic, social, political, cultural, and religious systems of the Maya, the Aztec, and their neighbors. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

## Business Administration | BA

**BA 101Z Introduction to Business, 4 Cr.** Presents an integrated view of both established and entrepreneurial businesses by studying their common characteristics and processes in a global context. Introduces theory and develops basic skills in the areas of accounting, finance, management, and marketing, with an emphasis on social responsibility and ethical practices. Explores how businesses can create value for themselves and society by addressing environmental and social challenges. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 104 Applied Business Math, 4 Cr.** Presents a variety of problems and situations found in business where arithmetic is constantly used. Prepares students to use mathematics in solving monetary and valuation problems in business and personal finance. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 131 Introduction to Business Technology, 4 Cr.** Explores computer concepts and information technology used in business organizations including MS Office software applications Word, Excel®, and PowerPoint®. Includes introduction to hardware, software, databases, file management, internet, and email as tools for communication and collaboration. Presents specialized vocabulary and promotes awareness of ethics and critical thinking. Prerequisites: WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 150 Introduction to Entrepreneurship, 4 Cr.** Introduces the managerial practices of successful entrepreneurship in all types of organizations. Evaluates the business skills, leadership skills, traits, and commitment necessary to successfully operate an entrepreneurial venture. Reviews the challenges and rewards of entrepreneurship. Examines entrepreneurial businesses in the United States and their impact on the economy. Considers recent trends in social entrepreneurship. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 169Z Data Analysis Using Microsoft Excel, 4 Cr.** Covers Microsoft Excel software skills necessary for evidence-based problem-solving, including workbook editing, formula creation, charting, and pivot tables. Emphasizes hands-on learning using Excel functions to perform data analysis to enhance decision-making. Prerequisite: BA 131. Audit available.

**BA 170 Project Management Fundamentals, 4 Cr.** Examines project management and its controlled processes of initiating, planning, and executing. Introduces all aspects of a project with emphasis on the coordination and motivation of personnel involved. Explores how to define goals and optimize the use of resources in order to achieve the project objectives. Prerequisites: BA 104, BA 131. Audit available.

**BA 205 Business Communication, 4 Cr.** Examines the legal and ethical collection, organization, and presentation of business information. Develops research skills using library and Internet resources. Creates effective communications utilizing word processing, spreadsheet, and graphics applications. Introduces techniques for efficient report writing, persuasive presentation, and writing instructions and productive e-mails within a business context. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121Z. Audit available.

**BA 206 Management Fundamentals, 3 Cr.** Introduces business management theory, including the basic functions of planning, organizing, directing, leading, and controlling as well as factors contributing to change in current management approaches. Recommended: BA 101, WR 121 or WR 121Z, and BA 131 or CAS 133. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 208 Business Ethics, 4 Cr.** Examines the fundamental principles of ethics in business, exploring key philosophical approaches such as utilitarianism, deontology, and virtue ethics. Focuses on the ethical challenges businesses face in balancing social, environmental, and financial responsibilities. Discusses the application of ethical frameworks to practical decision-making and explores the impact of emerging issues like artificial intelligence, data privacy, and sustainability on corporate practices. Highlights the importance of ethical reasoning in addressing complex dilemmas and making responsible choices in today's dynamic business landscape. Recommended: BA 101Z. Placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121Z. Audit available.

**BA 211Z Principles of Financial Accounting, 4 Cr.** Imparts an understanding of the purpose of accounting, common financial statement items, and the principles of internal controls. Focuses on recording the impact of economic events on account balances using U.S. Generally Accepted Accounting Principles, and the creation and analysis of financial statements to aid in external decision making. Recommended: placement into MTH 65. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**BA 213Z Principles of Managerial Accounting, 4 Cr.** Builds an understanding of the role of managerial accounting in a business, focusing on the development and use of information to evaluate production costs and operational performance in support of short- and long-term organizational decision-making. Prerequisite: BA 111 or BA 211Z. Audit available.

**BA 222 Financial Management, 3 Cr.** Explores basic financial concepts and practices and includes analysis of company resources, types and sources of financing, forecasting and planning methods, and the roles of the money and capital markets. Prerequisites: BA 101; BA 111 or BA 211; BA 104 or MTH 65 or MTH 98 or equivalent placement; WR 121 or WR 121Z. Audit available.

**BA 223 Principles of Marketing, 4 Cr.** Introduces the basic concepts of marketing for consumer and business markets. Includes topics in marketing mix, market segmentation, consumer behavior, marketing strategies, and market planning. Develops marketing plan for key project. Recommended: BA 101. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 224 Introduction to Human Resource Management, 3 Cr.** Studies the basic principles, concepts and practices of Human Resource Management. Examines the specialty areas of job analysis and design, recruiting, selection/hiring, training and development, performance appraisal, compensation, labor-management and employee relations, and safety. Reviews key employment laws and cases to understand legal implications of employment decisions. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 226Z Introduction to Business Law, 4 Cr.** Provides a comprehensive overview of U.S. business law, including the legal system, contracts, torts, intellectual property, agency, employment, and business organization forms. Emphasizes practical legal knowledge and explores how laws impact business operations, with a focus on risk management, contract disputes, business formation, and compliance with government regulation. Introduces legal challenges in business through real cases and legal terminology. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BA 227 Social Media Marketing, 3 Cr.** Examines social media platforms, tools and strategies. Includes foundational marketing concepts, social media policy, legal considerations, target audiences and the analysis of key performance metrics. Recommended: WR 115. Audit available.

**BA 228 QuickBooks for Business, 3 Cr.** Introduces double-entry, fully-integrated computerized general ledger software. Includes general ledger, accounts receivable, accounts payable, payroll, fixed assets, bank reconciliations, inventory, and financial statement analysis. Recommended: BA 104, BA 211Z. Audit available.

**BA 280A Workplace Experience, 1-6 Cr.** Provides supervised field experience in business environments including accounting, finance, human resources, information technology, marketing, procurement, management, and customer service; applies classroom knowledge to workplace tasks; introduces professional expectations and career exploration. Course may be repeated for credit up to 12 credits. Students are responsible for arranging a field experience site by the start of the term. Prerequisite: BA 101Z, BA 131, BA 205, BA 211Z. Prerequisite/concurrent: BA 280B. Instructor permission required.

**BA 280B Workplace Readiness, 1 Cr.** Supplements workplace experience through structured reflection, feedback sessions, and instruction in workplace readiness; links field experience to career planning through job search materials, professional portfolios, and workplace expectations. May be repeated a maximum of four times. Co-requisite: BA 280A.

**BA 285 Human Relations in Organizations, 3 Cr.** Explores interactions, challenges, and opportunities in organizations by examining individual and small group behavioral theories, motivational theories and strategies, and life-work balance considerations. Includes a review of issues and challenges of interfacing technology with employees. Explores various leadership styles, different methods for dealing with change and conflict resolution in the workplace. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Recommended prerequisite/concurrent: WR 121 or WR 121Z and BA 101. Audit available.

## Biology | BI

**BI 101 Biology, 4 Cr.** Introduces the properties of life, morphology and physiology of cells, cell chemistry, energy transformation, and the basic principles of ecology. A laboratory science course designed for non-biology majors. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**BI 121 Introduction to Human Anatomy and Physiology I, 4 Cr.** Surveys anatomical terminology, basic chemistry, cell structure and function, tissues, and the following systems: integumentary, skeletal, muscular, and nervous. Involves lecture discussions complemented by physiological laboratory exercises, dissections, microscopy, and

multimedia. Prerequisite: MTH 98 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**BI 122 Introduction to Human Anatomy and Physiology II, 4 Cr.** Surveys the endocrine, lymphatic, cardiovascular, digestive, respiratory, reproductive, urinary, and some coverage of human development, human genetics, and immunology. Lecture discussions are complemented by laboratories which include physiological exercises, dissections, microscopy, and multimedia. Prerequisites: BI 121. Audit available.

**BI 141 Habitats: Life of the Forest, 4 Cr.** Examines structure and function of Eastside and Westside Oregon forest ecosystems. Covers distribution and interactions of plants, animals, microorganisms, climate and basic geology. Laboratory emphasizes identification and environmental testing. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**BI 142 Habitats: Marine Biology, 4 Cr.** Examines marine environment and the ecology, physiology, and morphology of marine plants and animals, emphasizing Oregon habitats. Laboratory focuses on identification and environmental testing. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**BI 143 Habitats: Fresh Water Biology, 4 Cr.** Covers environments of freshwater streams, lakes, and marshes, emphasizing their organisms, as well as the biological interactions, nutrient cycles, and effects of physical and chemical factors on those organisms. Explores ecological factors of freshwater environments and the effects of human activities on them. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**BI 145 Introduction to Fish & Wildlife Conservation and Management, 4 Cr.** Covers the basic elements of wildlife population dynamics, biodiversity, the importance of habitat, legal and social aspects of wildlife management, human impacts on wildlife, and some management techniques. Includes wildlife examples from Oregon. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**BI 221Z Principles of Biology: Cells, 5 Cr.** Explores fundamental biological concepts and theories about the cellular and molecular basis of life including cell structure and function, metabolism, genetic basis of inheritance and how information flows from DNA to proteins, with a focus on the iterative process of science. Intended for science majors. Prerequisites: Placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121Z and CH 100 or higher. Audit available.

**BI 231Z Human Anatomy & Physiology I, 4 Cr.** Examines the structure and function of the human body through a body systems approach. Explores anatomy and physiology of the integumentary, skeletal and muscular systems at the relevant levels of biological organization (chemical, cellular, tissue, organ, and organ system). Covers neurophysiology and excitable membranes. Includes foundational aspects such as anatomical terminology and homeostasis. This course includes a laboratory component. Prerequisites: BI 211 or BI 221Z. Audit available.

**BI 232Z Human Anatomy & Physiology II, 4 Cr.** Examines the structure and function of the human body through a body systems approach. Explores anatomy and physiology of the central and peripheral nervous, endocrine, and cardiovascular systems at the relevant levels of biological organization (chemical, cellular, tissue, organ, and organ system). Covers special senses and the autonomic nervous system. This course includes a laboratory component. Prerequisite: BI 231Z with a "C" or better. Audit available.

**BI 233Z Human Anatomy & Physiology III, 4 Cr.** Examines the structure and function of the human body through a body systems approach. Explores anatomy and physiology of the respiratory, digestive, immune, lymphatic, urinary, and reproductive systems at the relevant levels of biological organization (chemical, cellular, tissue, organ, and organ system). Covers acid-base balance and human development. This course includes a laboratory component. Prerequisites: BI 232Z with a "C" or better. Audit available.

**BI 234 Microbiology, 5 Cr.** Introduces microbial taxonomy, identification, morphology, metabolism and genetics. Explores bacterial, viral, and parasitic relationships with human health and disease. Laboratory stresses aseptic technique, bacterial identification and physiology using a variety of media, culturing techniques, and staining techniques. Prerequisite: BI 112 or BI 211. Audit available.

## Computer Application Systems | CAS

**CAS 108 Beginning Photoshop, 3 Cr.** Introduces image editing features of Adobe Photoshop to create and modify computer based graphics. Introduces image layering techniques. Prerequisite: Placement into IRW 115 or WR 115. Recommended prerequisite/corequisite: CAS 101. Audit Available.

**CAS 123 Keyboarding for Business, 4 Cr.** Develops keyboarding and 10-Key skills essential for business communication and document production. Emphasizes touch-typing techniques to improve speed and accuracy through timed practice. Introduces industry-standard formatting, proofreading, and editing strategies to ensure professional, error-free documents. Supports workplace readiness by reinforcing efficiency, precision, and adaptability in digital text entry. Recommended: Keying 24 wpm by touch. Audit available.

**CAS 140 Beginning Databases, 4 Cr.** Covers database fundamentals, basic skills for designing and manipulating a database and beginning database management concepts including tables, forms, reports, and queries. Stresses a working knowledge of database management vocabulary. Introduces the basic features of database application software. Prerequisites: BA 131, BA 169Z. Audit available.

**CAS 216 Beginning Word, 3 Cr.** Introduces basic Microsoft Word program elements and tools to create, edit, and print documents such as letters, memos, and manuscripts; produce multi-page documents; use headers and footers; become familiar with the program's writing tools and basics of enhancing documents, sharing documents in a collaborative environment; and produce merged copy. Recommended: placement into IRW 115 or WR 115; CAS 103W or CAS 104; keyboarding 25 words per minute or CAS 122. Audit available.

**CAS 217 Intermediate Word, 3 Cr.** Introduces intermediate and advanced features of Microsoft Word text documents enhancement through special formatting features such as graphic lines and images; create and format advanced tables and formatting themes and styles; work with headers and footers in multi-page documents; use advanced merge; create documents with columns; and create and use fill-in forms. Includes integrated documents with Excel, PowerPoint, and web-based applications. Develops the management and editing of documents in an online collaborative work environment. Recommended: placement into IRW 115 or WR 115. Prerequisite: CAS 216 or instructor permission. Audit available.

**CAS 230 Design Principles, 3 Cr.** Develops familiarity with print and web design processes, including: basic design principles, color theory, typeface categories, current trends, and file management. Examines the differences between and the application of print and web design principles. Mac or PC format accepted. Recommended: CAS 108, CAS 133. Audit available.

## College Guidance & Success | CG

**CG 101 College Survival and Success: Personal Responsibility, 1 Cr.** Provides information and techniques for personal responsibility as a means for creating college success. Introduces developing skills for navigating a culturally diverse learning environment and utilizing college resources and services. First course in a series (CG 101-103). Audit available.

**CG 102 College Survival and Success: Goal Setting, 1 Cr.** Provides information on the role of goal-setting as a means

for creating college success. Continues to develop skills for navigating a culturally diverse learning environment and for utilizing college resources and services. Second course in the series (CG101-103). Prerequisite: CG101. Audit available.

**CG 103 College Survival and Success: Self-Management.** 1 Cr. Focuses on the role of self-management as a means for creating college success. Continues to develop skills for navigating a culturally diverse learning environment and accessing college resources and services. Third course in a series (CG101-103). Prerequisite: CG101. Audit available.

**CG 111A Study Skills for College Learning, 3 Cr.** Provides information, techniques, and strategies helpful in becoming more efficient in studying, note taking, textbook reading, and taking exams. Develops skills in scheduling study time, library research, memory strategies, and critical thinking. Prerequisites: placement into IRW 115 or WR 115. Audit available.

**CG 111C Study Skills for College Learning, 1 Cr.** Introduces information and techniques in note taking, textbook reading, taking exams, and developing a study schedule. Prerequisites: placement into IRW 115 or WR 115. Audit available.

**CG 114 Financial Survival for College Students, 1 Cr.** Provides basic information and strategies to empower individuals to make positive decisions about funding their education and establishing control over their financial lives, leading to financial independence and reduced life stress. Introduces: funding college, budgeting, wise use of credit, controlling debt, basic financial planning, effective financial decision making, and avoiding financial mistakes and pitfalls. Prerequisites: placement into IRW 115 or WR 115; placement into MTH 65 or MTH 98. Audit available.

**CG 130 Today's Careers, 2 Cr.** Explores careers and what it takes to succeed in them using a variety of personal inventories. Develops a plan for next steps in career exploration. Audit available.

**CG 140B Career and Life Planning, 2 Cr.** Provides the tools needed to make informed career decisions. Assesses skills, values, interests, personality, obstacles, and approaches to decision making. Develops skills for researching career and major information. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**CG 150 Wellness and Resilience for Success, 2 Cr.** Explores practical resilience and wellbeing skills for (college) success, including stress management, mindfulness, healthy habits, flexible thinking, understanding and managing emotions, communication skills, and building supportive routines. Focuses on everyday tools students can use to handle challenges, strengthen relationships, and stay balanced in school, career and life. Audit available.

**CG 160 Credit for Prior Learning Portfolio Development, 1 Cr.** Focuses on the principles and methodology of assessing college-learning gained through professional experience, training or independent study. Addresses how to identify, articulate, and document personal learning outcomes and relate them to specific college course topics and learning outcomes. Develops skills in organizing information, writing, analyzing and critical thinking. Requires the creation of a credit for prior learning portfolio as the final course product.

**CG 209 Job Finding Skills, 1 Cr.** Explores a broad range of job search techniques, including: building a job network, compiling appropriate information for job applications, targeting cover letters and resumes, and responding to typical interview questions and techniques. Promotes overall understanding of the job search process. Audit available.

**CG 225 Transfer to a Four Year College, 2 Cr.** Explores the planning of transferring to a four- year college. Includes the various processes, requirements, and issues that impact successful transitions. Provides strategies and information critical to academic development and adjustment to the four- year college system. Prerequisite: placement into IRW 115 or WR 115. Audit available.

## Chemistry | CH

**CH 100 Everyday Chemistry with Lab, 4 Cr.** Introduces chemistry related topics pertaining to everyday life. Includes topics such as renewable energy, clean air and water and global climate change using a relatively nonmathematical approach. Includes atomic/molecular structure, the periodic table, chemical bonding, intermolecular forces, chemical reactions, acids/bases and the social and environmental role of chemistry. Recommended for non-science majors to fulfill the Gen Ed science with lab requirement. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**CH 121 General Chemistry for Non-Science Majors, 5 Cr.** Explores general chemistry, focusing on the following topics: Matter, Measurement, Problem Solving, Atoms, Elements, Molecules, Compounds, Chemical Equations, Chemical Quantities, Aqueous Reactions, Gases, Thermochemistry, and the Quantum-Mechanical Model of the Atom. This is the first course in a sequence that is designed for students who have had no previous training in chemistry. Entering students are expected to have a working knowledge of high school algebra, logarithms, and scientific notation. Prerequisite/Concurrent: MTH 95 or equivalent placement, WR 121 or WR 121Z. Audit available.

**CH 122 General Chemistry for Non-Science Majors, 5 Cr.** Explores general chemistry, focusing on the following topics: Periodic Properties of the Elements, Chemical Bonding, Liquids, Solids and Intermolecular Forces, Solutions, Chemical Kinetics, and Chemical Equilibrium. This is the second course in a sequence that is designed for students who have had no previous training in chemistry. Entering students are expected to have a working knowledge of high school algebra, logarithms, and scientific notation. Prerequisite: CH 121. Audit available.

**CH 123 General Chemistry for Non-Science Majors, 5 Cr.** Explores general chemistry, focusing on the following topics: Acids & Bases, Aqueous Ionic Equilibrium, Free Energy & Thermodynamics, Electrochemistry, Radioactivity & Nuclear Chemistry, and Organic Chemistry. This is the third course in a sequence that is designed for students who have had no previous training in chemistry. Entering students are expected to have a working knowledge of high school algebra, logarithms, and scientific notation. Prerequisite: CH 122. Audit available.

## Chinese | CHN

**CHN 101 First Year Chinese, 5 Cr.** Emphasizes effective communication skills in both written and spoken Mandarin Chinese. Provides an understanding of practices of native Chinese culture. Helps beginners with language proficiency as well as cultural awareness. The first term in a three-term sequence. Prerequisite/concurrent: IRW 115 or WR 115 or equivalent placement. Audit available.

**CHN 102 First Year Chinese, 5 Cr.** Emphasizes effective communication skills in both written and spoken Mandarin Chinese. Builds on language skills introduced in CHN 101. Provides an understanding of practices of native Chinese culture. Helps beginners with language proficiency as well as cultural awareness. The second term in a three-term sequence. Prerequisite: CHN 101. Audit available.

**CHN 103 First Year Chinese, 5 Cr.** Emphasizes effective communication skills in both written and spoken Mandarin Chinese. Builds on language skills introduced in CHN 101 and 102. Provides an understanding of practices of native Chinese culture. Helps beginners with language proficiency as well as cultural awareness. The third term of a three-term sequence. Prerequisite: CHN 102. Audit available.

## Computer Information Systems | CIS

**CIS 120 Computer Concepts I, 4 Cr.** Introduces computing fundamentals from older, mature technologies through recent and emerging technologies. Utilizes Open Educational Resources (OER) and key applications, such as word processing, spread sheet, database, and presentation software, to solve realistic problems. Explores the benefits and risks of the online environment. Recommended: placement into IRW 115 or WR 115; placement into MTH 65 or

MTH 98; basic computer skills equivalent to CAS 133 or BA 131. Audit available.

**CIS 121 Computer Concepts II, 4 Cr.** Covers evaluation, selection and application of computer technology to solve practical problems in database design, web page design, networking and programming. Addresses ethical issues associated with technology. Prerequisite: CIS 120. Audit available.

**CIS 122 Software Design, 4 Cr.** Covers software design as part of the software development life cycle. Includes problem solving, basic logic constructs, testing programs, and modular programming. Provides examples of well-designed software projects. Recommended: CIS 120 or CAS 133 or BA 131. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Communications | COMM

**COMM 111Z Public Speaking, 4 Cr.** Emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations. Prerequisites: WR 121 or WR 121Z; placement into MTH 65 or MTH 98. Audit available.

**COMM 140 Introduction to Intercultural Communication, 4 Cr.** Explores the impact of different cultures on communication. Includes interactive relationship forms as the basis for global understanding. Focuses on processing messages with changing political, economic and immigration patterns through individual cultural perceptions. Understand and communicate with people who are "different." Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**COMM 215 Small Group Communication: Process and Theory, 4 Cr.** Addresses problem solving aspects of small group activities. Includes process and task, leadership, verbal and non-verbal messages in the small group, norms and roles, conflict reduction, and decision making. Focuses on theory and practice. Prerequisite: Placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**COMM 218Z Interpersonal Communication, 4 Cr.** Increases the knowledge and use of competent communication skills to better understand oneself, others, and the role of communication in interpersonal relationships. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**COMM 228 Mass Communication and Society, 4 Cr.** Explores the symbiotic relationship of the mass media and society from a rhetorical perspective. Examines the technological advancements in mass communications and their subsequent effect on public discourse and the individual in society. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**COMM 237 Gender and Communication, 4 Cr.** Examines similarities and differences in male and female communication styles and patterns. Attention given to implications of gender as social construct upon perception, values, stereotypes, language, nonverbal communication, power and conflict in human relationships. Discusses influence of mass communication upon shaping and constructing gender roles. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Computer Science | CS

**CS 160 Computational Thinking, 4 Cr.** Explores the field of computer science. Provides an overview of computer architecture, software development engineering, data organization, problem-solving strategies, ethics and theory of computation. Explores career options and develops rudimentary software developmental skills. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**CS 161 Programming & Problem Solving, 4 Cr.** Introduces programming, with emphasis on one language but using concepts that are fundamental for many languages, including values, variables, conditionals, loops, and functions. Explores how a computer executes programs, the difference between a program and a computation, and how to write and analyze a program to justify confidence in its result. Prerequisite/concurrent: CS 160. Audit available.

**CS 162 Web Development and Object-Oriented Programming.** 4 Cr. Builds programming skill at a larger scale, guided by the development of a web application. Introduces programming for the web, programming against a given framework API, and object-oriented programming. Prerequisite: CS 161. Audit available.

**CS 260 Data and Algorithms, 4 Cr.** Surveys the representation of data such as lists, sets, queues, stacks, directed and undirected graphs, and dictionaries. Surveys algorithms for manipulating that data, and strategies such as brute force, greedy algorithms, divide-and-conquer, decrease-and-conquer, transform-and-conquer, and dynamic programming. Examines the analysis of algorithm complexity, and how to navigate the trade-offs between different data structures and algorithms. Prerequisite: CS 161. Audit available.

## Construction Technology | CT

**CT 100 Building Layout, 3 Cr.** Focusses on the fundamentals related to residential construction. Identifies safe practices to be used on the job site. Addresses proper use of layout tools in a variety of applications and locations. Prerequisites: MTH 98 or placement into MTH 65. Placement into IRW 115 or WR 115. Audit available.

**CT 102 Residential Concrete, 3 Cr.** Introduces the construction of wood and concrete foundations. Explores determining property lines, setting building corners and establishing grades and elevations. Provides hands-on experience in the building of concrete footings and foundation wall forms. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 103 Building Materials and Methods, 3 Cr.** Introduces function and performance characteristics of basic building materials and components. Addresses methods and sequences in the construction process. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 104 Floor Framing, 3 Cr.** Introduces basic floor framing systems and principles used in construction. Includes floor system install on foundations using current building construction methods. Explores floor leveling, sill plate installation, and joist and beam lay-out. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 105 Wall and Ceiling Framing, 3 Cr.** Introduces wall framing methods and principles currently used in construction and following Oregon building codes. Includes wall layout and assembly of studs, corners, partitions and openings. Addresses the calculation of material quantities and the application of related building codes. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 106 Roof Framing, 3 Cr.** Introduces the theory and practice of roof framing. Includes calculations to determine rafter lengths for slopes and spans. Addresses erecting and installing trusses and techniques for rafter installation. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 110 Electrical Basics, 3 Cr.** Provides basic knowledge of electrical wiring and AC and DC circuits. Introduces electrical codes, ordinances, print reading and electricity fundamentals. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 111 Plumbing Basics, 3 Cr.** Explores basic skills needed to assist with installation and repair of plumbing systems.

Introduces plumbing plans and drawings, measuring for plumbing materials and safe operation of plumbing tools. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 112 Basic Stair Construction, 3 Cr.** Explores the rise and run ratio for stair construction. Includes material estimation and installation of both open and closed interior staircases. Emphasizes the relevant building codes in stair construction. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 113 Deck Building, 3 Cr.** Introduces the methods and materials used for proper site preparation in deck and porch installations. Outlines the steps followed in the construction of a deck or porch. Covers the identification of defects that impact safety in wood and composite decks and porches. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 114 Windows and Interior Doors, 3 Cr.** Introduces the various types of windows, skylights, and interior doors available and their proper use. Provides instructions for installation. Includes procedures for installing weather-stripping and locksets. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 115 Interior and Exterior Finishes, 3 Cr.** Provides training in the use of various interior and exterior finish materials and techniques. Includes calculating material quantities and accurate measuring techniques. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 221 Advanced Materials and Methods, 3 Cr.** Investigates more advanced building practices, including new materials and their properties. Examines the latest approaches to construction, comparing and contrasting with traditional methods. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 222 Commercial Concrete, 3 Cr.** Introduces concrete construction, including layout, footings, foundation walls, and slabs. Utilizes different forming methods and materials to erect a concrete foundation. Addresses handling and curing of concrete. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 223 Fences, Handrails and Gates, 3 Cr.** Explores the design and layout of a fence, handrail and/or gate project. Includes selection of materials, proper brace and attachment techniques, and appropriate weather treatment. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 230 Roofing and Siding, 3 Cr.** Introduces the techniques for installing both metal and architectural asphalt roofing. Explores lap, sheet and single shingle siding options. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 231 Sheetrock/Drywall Basics, 3 Cr.** Explores the basics of working with sheetrock, from handling and storage to mud, tape and textures. Introduces tools and techniques and addresses proper measuring, cutting and fitting. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 232 Flooring Basics, 3 Cr.** Explores hardwood, engineered wood, laminate, vinyl, plank, tile and sheet flooring and the proper use for each. Addresses subfloor preparation, cutting vents and making other penetrations, as well as installation. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 233 Green Building Materials and Methods, 3 Cr.** Introduces the types and applications of green building materials. Investigates energy efficiency options, including improving indoor air quality. Prerequisites: MTH 98 or placement into MTH 65; placement into IRW 115 or WR 115. Audit Available.

**CT 241 Hardware, Adhesives, Sealants & Flashings, 3 Cr.** Focuses on fundamentals related to the application and techniques for installing sealants, hardware, adhesives, and shaping flashings. Examines code requirements as well as ADA compliance. Prerequisites: MTH 98 or placement into MTH 65. Placement into IRW 115 or WR 115. Audit available.

**CT 242 Estimating Materials & Labor, 3 Cr.** Explores both fixed and time/material models, budget flexibility and limitations. Compares dynamic scope verses fixed scope bids, including the calculation of materials and labor costs, timelines/deadlines, and change orders. Prerequisites: MTH 98 or placement into MTH 65. Placement into IRW 115 or WR 115. Audit available.

**CT 243 Prints, Drawings and Plans, 3 Cr.** Develops skills for producing a set of drawings, plans, or prints. Examines basic views, including: elevations, section views and typicals. Provides an opportunity to create a functional design for a 200 square foot dwelling. Prerequisites: MTH 98 or placement into MTH 65. Placement into IRW 115 or WR 115. Audit available.

## Economics | EC

**EC 200 Principles of Economics: Introduction, Institutions & Philosophies, 4 Cr.** Introduces basic economic concepts including; microeconomics, macroeconomics, the history of economic ideas, international trade and a variety of economic issues. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**EC 201Z Principles of Microeconomics, 4 Cr.** Examines how consumers and firms make choices when facing scarce resources, and how those choices are related to government policy and market outcomes, such as prices and output. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**EC 202Z Principles of Macroeconomics, 4 Cr.** Examines the aggregate activity of a market economy, economic growth, inflation, unemployment, and the use of fiscal and monetary policy to address macroeconomic problems. Recommended: EC 201Z. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Early Childhood Education | ECE

**ECE 101 Exploring the ECE Field, 1 Cr.** Explores the diverse field of Early Childhood Education through site visits and interviews with professionals working in a variety of positions and settings. Expands knowledge of ECE professionals' workday including common challenges and rewards. Audit available.

**ECE 101 Explorando el campo de ECE, 1 Cr.** Explora el amplio campo de la Educación de la Primera Infancia mediante visitas a programas y entornos educativos, así como entrevistas con profesionales que desempeñan una variedad de puestos en esta profesión. Amplía el conocimiento sobre la jornada laboral de los educadores de la educación infantil, incluyendo los desafíos y las recompensas más comunes del trabajo con niñas y niños pequeños. Auditoría disponible.

**ECE 120 Introduction to Early Childhood Education, 3 Cr.** Introduces practitioners to the major tenets of the Early Childhood Education profession with emphasis on: historical influences, fundamental principles, current issues, careers, program models and approaches, and ethical and professional standards in accordance with the National Association for the Education of Young Children. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**ECE 120 Introducción a la educación infantil temprana, 3 Cr.** Introduce a quienes se preparan para trabajar en el campo a los principios fundamentales de la profesión de Educación en la Primera Infancia, con énfasis en las influencias históricas, los principios fundamentales, los temas actuales del campo, las trayectorias profesionales, los modelos y enfoques de programas, y los estándares éticos y profesionales establecidos por la Asociación Nacional para la Educación de Niños Pequeños (National Association for the Education of Young Children, NAEYC). Requisitos previos: colocación en IRW 115 o WR 115. Auditoría disponible.

**ECE 121 Guidance & Classroom Management: Birth to Age 8, 3 Cr.** Covers guidance techniques and classroom management strategies for individual and groups of young children that are grounded in developmentally appropriate practices which support pro-social behaviors for children birth to age eight. Examines early childhood guidance principles, theories and research with an emphasis on intentional teaching practices, including supportive interactions and environmental design for children birth to age 8. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**ECE 121 Orientación y gestión del aula: Desde el nacimiento hasta los 8 años, 3 Cr.** Abarca técnicas de orientación y el manejo del aula para niños pequeños, tanto de manera individual como en grupo, basadas en prácticas apropiadas para el desarrollo que promueven conductas prosociales en niños desde el nacimiento hasta los ocho años de edad. Examina los principios, teorías e investigaciones relacionadas con la orientación y guía del comportamiento en la primera infancia, con énfasis en prácticas de enseñanza intencionales, incluyendo interacciones de apoyo y el diseño de entornos de aprendizaje que favorecen el desarrollo infantil desde el nacimiento hasta los ocho años. Requisitos previos: colocación en IRW 115 o WR 115. Auditoría disponible.

**ECE 122 Environments & Curriculum: Birth to Age 8, 4 Cr.** Explores the teacher's role in facilitating play in early childhood. Covers effective teaching practices that support diverse learners. Focuses on developing meaningful and challenging curriculum and incorporating developmentally and culturally appropriate pedagogy to design physical, social, and temporal environments for children birth to age 8. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**ECE 124 Anti-Bias Practices, 3 Cr.** Develops awareness of how personal experiences, belief systems, and values impact work with children and families. Examines the impact of cultural, linguistic, and class identities and histories on inter-relationships in diverse populations. Applies techniques for incorporating other peoples' histories, values and belief systems into child-and-family-centered practices. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**ECE 126 Early Childhood Development: Birth to Age 8, 3 Cr.** Covers the principles of theory and development for children from birth through eight years of age, and emphasizes the physical, cognitive, social-emotional, and linguistic domains of child development. Explores how child development and learning processes occur within multiple contexts. Focuses on environmental and instructional practices that support development. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**ECE 126 Desarrollo infantil temprano: desde el nacimiento hasta los 8 años, 3 Cr.** Examina los principios y teorías del desarrollo infantil desde el nacimiento hasta los ocho años de edad, con énfasis en los dominios físicos, cognitivos, socioemocionales y lingüísticos del desarrollo. Explora cómo el desarrollo y el aprendizaje infantil ocurren dentro de múltiples contextos, incluyendo la familia, la cultura y la comunidad. También se enfoca en prácticas de enseñanza y entornos de aprendizaje que promueven el desarrollo infantil. Requisitos previos: colocación en IRW 115 o WR 115. Recomendado: CAS 103W o habilidades informáticas equivalentes. Auditoría disponible.

**ECE 130A Practicum Orientation, 2 Cr.** Provides overview of Practicum (student teaching) purpose, process and student's role in achieving successful practicum experiences throughout the ECE program. Prerequisites: placement into IRW 115 or WR 115; ECE 101, ECE 120. Prerequisite/concurrent: HE 113.

**ECE 130B Practicum Seminar 1, 1 Cr.** Develop basic intermediate skills for supporting the total development of children, ages birth to 5 years, focusing on the role of the teacher in implementing a developmental program of early childhood education in two interdependent components: seminar and practicum. Prerequisite: ECE 130A. Corequisite: ECE 134.

**ECE 130C Practicum Seminar 2, 1 Cr.** Improve and strengthen advanced intermediate skills for supporting the total development of children, ages birth to 5 years, focusing on the role of the teacher in fundamental curriculum and environment development for an early childhood education program. Prerequisite: 130B. Corequisite: ECE 135.

**ECE 134 Practicum 1, 2 Cr.** Develops basic intermediate level skills to work with children birth through eight years in a group setting. Includes the use of developmentally appropriate methods to support guidance and conflict resolution, schedule and routine planning, fundamental curriculum development, and environmental modification. Develops skills in working with children in a group setting using developmentally appropriate methods. Prerequisites: CG 101, HE 113, HEC 201, ECE 101, ECE 120, ECE 121, ECE 122, ECE 124, ECE 126, ECE 130A, ECE 200; Prerequisite/concurrent: ECE 221; Corequisite: ECE 130B.

**ECE 135 Practicum 2, 2 Cr.** Develops basic intermediate level skills to work with children birth through eight years in a group setting. Includes the use of developmentally appropriate methods to support guidance and conflict resolution, schedule and routine planning, fundamental curriculum development, and environmental modification. Develops skills in working with children in a group setting using developmentally appropriate methods. Prerequisites: ECE 130B, ECE 134, ECE 234, ECE 235, ECE 236, HE 262. Prerequisite/concurrent: HEC 202. Corequisite: ECE 130C.

**ECE 167 Bilingual Children's Literature, 1 Cr.** Explores the value of bilingual children's literature as a foundation for language, literacy, and cultural development. Provides training in how to select and evaluate high-quality multicultural and lingual books that reflect diverse identities and experiences. Emphasizes the role of bilingual stories in promoting biliteracy, supporting family engagement, and affirming children's cultural and linguistic heritage. Portions of the course will be presented in both Spanish and English; however, proficiency in Spanish is not required. Audit available.

**ECE 177 Multi-age Groups, 1 Cr.** Explores the benefits and addresses the challenges of creating quality environments and programming for children of mixed ages. Multi-age early childhood settings can include children from infancy through elementary school age. Audit available.

**ECE 179 Child Portfolios in ECE, 1 Cr.** Introduces a holistic method for assessing and recording children's developmental growth over time, creating authentic meaningful child portfolios. Develops intentional teaching techniques in natural settings incorporating daily routines, activities and play in authentic data collection and storage methods. Utilizes digital technology, observation techniques, and child initiated self-regulated data collection. Audit available.

**ECE 185 Field Trips in Early Childhood, 1 Cr.** Explores the developmental and programmatic benefits of field trips in early childhood programs. Demonstrates how field trips can build on child interests and contribute to children's developing knowledge of the world. Explores field trip possibilities, develops field trip protocols, and problem-solves common field trip issues. Audit available.

**ECE 187 Cooking Experiences for Young Children, 1 Cr.** Explores cooking with young children to help them learn language and literacy, math, science, cooperation, and healthy eating habits. Introduces ways to create and share cooking experiences with young children in a way that maximizes child participation and developmental opportunities and minimizes the potential for chaos. Audit available.

**ECE 188 Block Play and Woodworking for Young Children, 1 Cr.** Explores the many benefits, barriers and role of block play and wood working experiences for young children. Emphasis on design, implementation, evaluation and solutions to possible barriers and issues for children of varying ages (2 years to school age) and abilities. Audit available.

**ECE 200 Professionalism & Advocacy, 3 Cr.** Examines the characteristics of early childhood education as a profession, including key competencies, roles and responsibilities, current

issues and trends. Focuses on use of the NAEYC Code of Ethics to guide daily practices and decision-making. Prepares students to become advocates for children, families, self and the profession. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**ECE 221 Observation, Documentation & Assessment, 3 Cr.** Examines techniques for observing and recording behavior and keeping records as used in the care and education of children birth to age eight. Focuses on observation and guidance techniques for children and groups of children in addressing challenging behaviors and issues in early childhood environments, families and their community. Covers the teacher's role and caregiver's role in using observation to promote development, including self-development. Prerequisite: placement into IRW 115 or WR 115. Recommended prerequisite/concurrent: ECE 130B, ECE 134. Audit available.

**ECE 222 Resilience & Wellness for Educators, 3 Cr.** Supports educators' ability to positively adapt in the face of adverse circumstances by teaching positive skills, strategies, and routines that enable them to live happy, fulfilling, and successful lives while enhancing their love of the profession. Covers the identification, justification, and application of resilience and wellness practices necessary to become an effective educator of young children. Prerequisites: placement into IRW 115 or WR 115. Audit available.

**ECE 223 Supporting Dual Language Learners: Birth to Age 8, 3 Cr.** Focuses on the language development of children who are dual language learners (DLLs), ages birth-to-eight years, with attention on all children developing oral and written language abilities in their home language(s) and in English. Connects assessment and instruction in order to identify effective instructional techniques and strategies that promote early language and literacy learning for the DLL child. Emphasizes family and community connections in the fostering of language and literacy learning. Prerequisite/concurrent: IRW 115 or WR 115 or equivalent placement. Audit available.

**ECE 232 S.**T.E.A.M.: Birth to Age 8, 3Cr. Develops the knowledge and skills necessary for creating inclusive environments and curricular activities. Provides training in the use of observation and assessment to scaffold young children's understanding of science, technology, engineering, art, and mathematics. Emphasizes using a variety of tools and methods to support, document, and extend children's learning. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**ECE 234 Inclusion of Children with Special Needs, 3 Cr.** Examines history and laws related to special education in the United States. Covers disabilities and delays for children ages birth to eight, screening and assessment tools, the IFSP and IEP process, and advocating with families to access necessary special education services. Explores strategies for creating inclusive early learning environments. Prerequisite/concurrent: IRW 115 or WR 115 or equivalent placement. Audit available.

**ECE 235 Art, Music & Movement: Birth to Age 8, 3 Cr.** Studies the development of exploration, play, and creative expression in the areas of art, music, and movement, focusing on young children ages birth to 8. Addresses the concepts of age and developmental appropriateness when designing activities. Includes hands-on experience with activities that inform the use of techniques, strategies, and materials with young children in the classroom. Explores strategies for intervention and support for exceptional children and English language learners. Draws strong connections between classroom activities and expectations and the NAEYC standards. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**ECE 236 Language and Literacy in Early Childhood Education, 3 Cr.** Provides an overview of language and literacy development in children from infancy to age 8. Explores the design and use of a variety of language and literacy development activities with young children. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**ECE 237 Trauma-Informed Care and Education: Birth to Age 8, 3 Cr.** Develops knowledge and skills that support the learning and development of young children, birth to age 8, who have been adversely impacted by trauma. Explores types and symptoms of trauma, and emphasizes trauma-informed practices that can be applied in the child's home and school setting. Identifies available resources and recognized strategies for working collaboratively with families and other professionals. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**ECE 238 Administration of ECE Programs, 3 Cr.** Studies various tasks and responsibilities of program administration. Includes licensing, program planning, organization, financial management, parent and community relationships, and personnel management. Prerequisite: ECE 126 or HEC 226. Prerequisite/Concurrent: IRW 115 or WR 115 or equivalent placement. Recommended: experience working with children in groups. Audit available.

## Education | ED

**ED 101 Teachers Make a Difference: Exploring the K-5 Classroom, 1 Cr.** Explores the modern teaching profession and the benefits associated with being an elementary school teacher in the 21st century. Provides real-life classroom experience, bringing students into K-5 instructional settings with professional teachers. Expands knowledge of a teacher's workday and basic strategies. Audit available.

**ED 216 Purpose, Structure, & Function of Education in a Democracy, 3 Cr.** Introduces the historical, social, philosophical, political, legal and economic foundation of education in Oregon, the United States, and other countries in order to provide a framework from which to analyze contemporary educational and environmental issues in various schools, communities, and workplaces. Recommended: ED 101. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ED 219 Civil Rights & Multicultural Issues in Educational Settings, 3 Cr.** Examines multiculturalism in the context of personal and professional interaction with students, schools, communities, and workplaces. Explores the diversity of learning cultures (e.g., urban, suburban, rural) as well as the diversity of learners that exist within those different cultures. Provides an opportunity to reflect upon one's own culture and how it may influence personal learning and teaching. Recommended: ED 101. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ED 293 Elementary Educator Practicum, 2 Cr.** Provides opportunities to observe and work with school teachers in K-5 classrooms to gain first-hand experience in the culture of schools and strategies for teaching and learning. Applies previous learning to a classroom setting. Explores required professional dispositions, skills and knowledge to become a teacher. Recommended: ED 101. Prerequisites: ED 216 and 219, HEC 226. Corequisite: ED 294.

**ED 294 Education Practicum Seminar, 1 Cr.** Connects observed classroom practices and student learning with previous programmatic coursework and research. Explores current educational issues and themes and their application in the K-5 classroom. Begins to formalize the concepts and expression of a professional teaching statement. Recommended: ED 101. Prerequisites: ED 216 and 219, HEC 226. Corequisite: ED 293.

## Electronics Engineering Technology | EET

**EET 111 Electrical Circuit Analysis 1, 5 Cr.** Covers engineering prefixes, unit conversion, capacity factor, efficiency, and basic electrical quantities of power, energy, voltage, current, and resistance. Includes analysis of series, parallel, and series-parallel DC circuits using Ohm's, Kirchhoff's Laws, and DC circuit analysis theorems including the Superposition Theorem, Thevenin's Theorem, and the Maximum Power Transfer Theorem. Introduces schematic reading, soldering, circuit construction, troubleshooting, circuit simulation software, and lab instrumentation including ohmmeters,

voltmeters, and ammeters. Includes a 3-hour per week laboratory session. Requires a Texas Instruments TI-89 scientific graphing calculator or equivalent. Students must attend a mandatory orientation session on FIRST DAY OF CLASS. Prerequisites: MTH 65 (B or better), WR 115 or IRW 115, or equivalent placement. Audit available.

**EET 112 Electrical Circuit Analysis 2, 5 Cr.** Introduces capacitance, inductance, RC/RL transient response, properties of sinusoidal waveforms, reactance and impedance, phasor analysis of series, parallel, and series-parallel AC circuits. Includes a 3-hour per week laboratory. Prerequisite: EET 111. Audit available.

**EET 113 Electrical Circuit Analysis 3, 5 Cr.** Covers AC power, power factor correction, AC network analysis theorems, transformers, analysis of balanced and unbalanced 3 phase AC Y and delta configured loads, and squirrel cage induction motors. Includes a 3-hour per week laboratory session. Prerequisite: EET112 or department approval. Audit available.

**EET 141 Motor Control, 5 Cr.** Examines electromagnetism and motor theory, circuit protection elements (fuses and circuit breakers), control transformers, electromechanical and solid state switches, ladder logic, control relays, contactors, overload elements, manual motor starters, 2 and 3 wire motor starters, motor starters with jogging, friction brakes, reversing motor starters with interlocks, reduced voltage starters, timers, motor drives, and programmable logic controllers (PLCs). Students will build, test, and troubleshoot practical motor control circuits using industrial components on a motor control trainer board. Prerequisite: EET 112. Audit available.

**EET 181 Industrial Computing, 3 Cr.** Explores computers and computer applications in an industrial environment. Discusses computer hardware, software, and maintenance, operating systems and file management, networking, databases, and word processing, spreadsheet, and presentation software. Prerequisite: MTH 65 or equivalent placement. Audit available.

**EET 221 Semiconductor Devices and Circuits 1, 5 Cr.** Examines the construction, theory of operation, and application of semiconductor devices including diodes (rectifier, zener, LED, photo), bipolar junction transistors (BJTs), metal oxide semiconductor field effect transistors (MOSFETs), and insulated gate bipolar transistors (IGBTs). Covers semiconductor circuit applications including rectification, amplification, and switching. Prerequisite: EET 113. Audit available.

**EET 231 Semiconductor Devices and Circuits 2, 5 Cr.** Explores modern applications of semiconductor devices with a focus on power electronics. Utilizes insulated gate bipolar transistors (IGBTs) to study the operation of buck and boost choppers, battery chargers, and pulse width modulated (PWM) inverters. Examines the construction and theory of operation of thyristors and their use in rectifiers, inverters, and motor drives. Prerequisite: EET 221. Audit available.

**EET 251 Digital Logic & PLCs I, 5 Cr.** Covers digital systems, digital and analog quantities, binary numbers, combinational logic, expression simplification, and common functions of combinational logic systems using Allen-Bradley programmable logic controllers (PLCs) and fixed function integrated circuits. Includes a 3 hour per week laboratory. Prerequisites: EET 113, EET 141. Audit available.

**EET 252 Digital Logic & PLCs II, 5 Cr.** Expands upon the digital logic and Programmable Logic Controllers fundamentals learned in EET 251. Introduces the Function Block Diagram (FBD) and Sequential Function Chart (SFC) programming languages on the Allen-Bradley PLC platform. Covers 120v control with a PLC using interposing relays, three-phase AC motor control with a PLC using a networkable motor drive, and PLC to PLC communication over ethernet. Includes a 3 hour per week laboratory. Prerequisites: EET 251. Audit available.

**EET 273 Industrial Control and PLCs, 5 Cr.** Covers open-loop and closed-loop control of electromechanical systems using proportional, integral, and derivative control modes, pulse width modulation, absolute and relative (incremental) encoding, transfer functions, proportional valves, hysteresis, servo and stepper motors, and sensors using the PLC. Prerequisite: EET 252. Audit available.

## Emergency Medical Services | EMS

**EMS 100 Introduction to Emergency Medical Services, 2 Cr.** Introduces and integrates knowledge of prehospital Emergency Medical Services (EMS) systems. Explores the history of emergency medical services. Introduces rolls and responsibilities of the provider levels as well as communication systems and documentation. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**EMS 105 EMT Part I, 6 Cr.** Prepares students for entry-level Emergency Medical Technician (EMT) positions, fulfilling both national and state requirements. Provides training in the knowledge and skills necessary to make and implement patient care decisions for a wide range of common acute and non-acute conditions. Covers the Emergency Medical Systems (EMS) of care, and operational knowledge to ensure safe, effective patient care practices. Emphasizes assessment skills, therapeutic communication and cultural sensitivity, promoting professional conduct aligned with the Oregon Health Authority required performance competencies. First course of two-part series. Course sequence requires a mandatory orientation. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65; passing a criminal background check and drug screen. Audit available.

**EMS 106 EMT Part II, 6 Cr.** Prepares students to meet entry-level Emergency Medical Technician (EMT) expectations in alignment with national and state standards. It encompasses an overview of the Emergency Medical Services (EMS) system, and the operational protocols required for safe and effective patient care. Emphasis is placed on core competencies outlined by the Oregon Health Authority, enabling EMTs to respond effectively to urgent and non-urgent medical care requests and facilitate medical transportation to and from emergency or healthcare facilities. Second course in a two-part series. Prerequisites: completion of EMS 105 with a "C" or better; current BLS Card for Health Care Provider and passing a criminal background check and drug screen.

**EMS 115 Crisis intervention, 3 Cr.** Prepares the EMT to better understand an emotional crisis and the causes of stress. Explores how to assist others as well as themselves in dealing with stress during a crisis. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**EMS 120 Emergency Medical Services: First Responder, 3 Cr.** For those who are usually the first person at the scene of trauma or medical emergencies including law enforcement, fire department personnel, etc. Knowledge and skills are developed to provide basic care for trauma, medical and environmental emergencies; evaluation of scene and patients; and appropriate access and use of the Emergency Medical Services System. Must be 16 years of age. Audit available.

## English | ENG

**ENG 104Z Introduction to Fiction, 4 Cr.** The study of fiction invites us to enter imaginative narratives and confront the challenges of being human. Provides opportunities for the appreciation of fiction, including deeper awareness of craft and insight into how reading fiction can lead to self-enrichment. Introduces a variety of types of fiction, from diverse perspectives and eras, and develops skills in discussion, literary analysis, and critical thinking. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 105Z Introduction to Drama, 4 Cr.** Introduces texts with the power to shock, inspire, enlighten, and delight; drama can be an empowering and transformative journey toward keener engagement with the world, local community, and an intended path. Provides opportunities for the appreciation of drama, including deeper awareness of craft and insight into how reading plays can lead to self-enrichment. Includes a variety of types of drama, from diverse perspectives and eras, and develops skills in discussion, literary analysis, and

critical thinking. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 106Z Introduction to Poetry, 4 Cr.** Poetry delves into the biggest questions about life and culture alongside the seemingly smallest issues of words and sounds. Provides opportunities for the appreciation of poetry, including deeper awareness of craft and insight into how reading poetry can lead to self-enrichment. Includes a variety of types of poetry and poetic forms, from diverse perspectives and eras, and develops skills in discussion, literary analysis, and critical thinking. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 195 Film Studies: Film as Art, 4 Cr.** Enhances understanding of film through analysis of film history and form. Develops visual literacy and analysis skills by offering a range of tools to study any film. Analyzes ways in which a film may both contribute and react to its time and culture; analyzes film through studying the techniques by which it was made; and substantiates observations with examples taken from film tradition and from the film itself. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 203 Introduction to Shakespeare, 4 Cr.** Studies representative plays from Shakespeare's early, middle, and/or late periods and sonnets relevant to play elements. Defines principal elements of Shakespearean drama. Analyzes relationships among selected elements of dramatic forms of comedy, tragedy, history and romance to determine how genre shapes the development of individual plays. Identifies key biographical, historical, social and intellectual issues in the Renaissance, Reformation, and Tudor-Elizabethan England in relation to the plays. Practices in-depth formal literary criticism of Shakespeare's text and modern performances. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 213 Latin American Literature, 4 Cr.** Explores fiction, creative non-fiction, poetry, drama, myth, and other texts from Latin America. Includes works from many cultures and ethnicities from Latin America, including indigenous peoples. All readings are in English. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 214 Literature of the Pacific Northwest, 4 Cr.** Examines fictional, non-fictional, and poetic works by Northwest writers. Emphasizes relationship between Northwest writing and Northwest social, cultural and physical environments. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 222 Images of Women in Literature, 4 Cr.** Explores images of women as they appear in a diverse range of texts from across a variety of cultures and historical periods. Focuses on how both men and women have imagined and represented femininity and femaleness in ways that can challenge, reinforce and/or reconfigure culturally-based perceptions, behaviors and practices. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 237 American Working Class Literature, 4 Cr.** Introduces and examines literature by and/or about the working class, primarily from an American perspective. Explores how this literature promotes or rejects stereotypes of the working class in its depiction of working class realities. Prerequisite/concurrent: WR 121 or WR 121Z. Recommended: ENG 104, ENG 105 and/or ENG 106. Audit available.

**ENG 240 Native American Literature, 4 Cr.** Studies literary works by Native American authors whose works are fundamental to American literature. Considers Native American texts, which may include oral traditions, novels, plays, poems, film, and manifestos. Analyzes texts' historical, cultural, geographical, and political contexts. Prioritizes Native American experience, worldview, and intellectual traditions in the study of their literature. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 244 Asian American Literature, 4 Cr.** Studies literary works by Asian American authors whose works are fundamental to American literature. Considers Asian American texts, which may include folklore, fiction, nonfiction, poetry, and graphic novels. Analyzes texts' historical, cultural, geographical, and political contexts. Prioritizes Asian American experience, worldview, and intellectual traditions in the study of their literature. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 250 Introduction to Folklore and Mythology, 4 Cr.** Develops a cross-cultural perspective on myths, mythologies and folklore from around the world. Explores different theories of the cultural meanings and functions of myth, past and present. Introduces various ways of interpreting and experiencing myth and folklore as texts with oral origins. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 253 Survey of American Literature to 1865, 4 Cr.** Introduces the literature of the land which is now the United States from before European contact through the mid-nineteenth century. Revolves around written manifestations of the various interests, preoccupations, and experiences of the peoples creating and recreating American culture. Considers various literary forms, canonized (such as novel, narrative poem), popular (such as the serialized tale, verse) and unpublished (the jeremiad, Native American oratory, the slave narrative, diary). Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 254 Survey of American Literature from 1865 to Present, 4 Cr.** Introduces the literature of the land which is now the United States from mid-nineteenth century to the present. Revolves around written manifestations of the various interests, preoccupations, and experiences of the peoples creating and recreating American culture. Considers various literary forms, canonized (such as novel, narrative poem), popular (such as the serialized tale, verse) and unpublished (the jeremiad, Native American oratory, the slave narrative, diary). Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 257 African American Literature, 4 Cr.** Studies literary arts and cultural expressions by African American authors, whose works are fundamental to American Literature. Prioritizes Black experience, worldview, and intellectual traditions in the study of African American literature and scholarship. Analyzes a range of literary expression, including folklore, fiction, nonfiction, poetry, lyrics, graphic novels and oral stories, in their historical, cultural, geographical, and political contexts. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ENG 260 Introduction to Women Writers, 4 Cr.** Explores women's writings and literary theory from diverse places and historical periods. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Environmental Science | ESR

**ESR 140 Introduction to Environmental Sustainability, 4 Cr.** Introduces concepts of environmental sustainability and their applications. May include field trips. Prerequisite: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

**ESR 171 Environmental Science: Biological Perspectives, 4 Cr.** Develops an understanding of environmental topics that are primarily biological in nature. Includes human population issues, matter and energy resources, ecosystems, environmental ethics, and food and land resources. The associated laboratories will illustrate these topics. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ESR 172 Environmental Science: Chemical Perspectives, 4 Cr.** Develops an understanding of environmental topics that are primarily chemical in nature. Includes air pollution, global warming, toxicology, risk assessment, water pollution, and hazardous waste. The associated laboratories will illustrate these topics. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ESR 173 Environmental Science: Geological Perspectives, 4 Cr.** Develops an understanding of environmental topics that are primarily geological in nature. Includes geology basics, soil resources, hydrogeology, nonrenewable mineral and energy resources, perpetual energy resources, and solid waste. The associated laboratories will illustrate these topics.

Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Ethnic Studies | ES

**ES 201 Introduction to Native American Studies, 4 Cr.** Engages in interdisciplinary historical, and contemporary perspectives on the social, political, legal, economic, environmental, and cultural issues of Indigenous Peoples of the United States. Examines U.S. Federal Indian law and policy, Native citizenship and enrollment, methods of tribal governance and Native American arts and cultural expressions. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**ES 203 Introduction to Chicane/Latine Studies: Making Culture, 4 Cr.** Introduces cultural heritage of Chicane/Latine people in the United States. Draws on multiple disciplines such as anthropology, folklore, literature and linguistics, and examines the combination and integration of various traditions. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z.

## Foods & Nutrition | FN

**FN 225 Nutrition, 4 Cr.** Introduces components of an FN 225 Nutrition, 4 Cr. Introduces components of an adequate diet, nutrient availability and utilization. Analyze dietary intake and compare to current scientific guidelines. Examines peripheral factors influencing diet such as global and local issues, cultural environment, and elements of food safety. Recommended: Strong background in life sciences and completion of high school chemistry or equivalent. Prerequisite: WR 121 or WR 121Z or higher; BI 101 or BI 211. Audit available..

## First Year Experience | FYE

**FYE 100 College Planning and Survival Skills, 4 Cr.** FYE 100 College Planning and Survival Skills, 4 Cr. Guides the creation of financial and academic/career plans and develops strategies for navigating barriers to degree completion. Enhances communication, resource identification, and technology skills to navigate college systems. Explores community, cultural, and environmental responsibility in a chosen career path. Prerequisite: placement into WR 115. Audit available.

## Geology | G

**G 184 Global Climate Change, 4 Cr.** Explores the various aspects of the Earth's climate system. Includes the interactions between the atmosphere, hydrosphere, biosphere, cryosphere and lithosphere as well as how the climate system has varied over time (past present and future) and efforts to mitigate and adapt to these changes. Includes weekly lab. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent WR 121 or WR 121Z. Audit available.

**G 201 Physical Geology, 4 Cr.** Introduces physical geology which deals with minerals, rocks, internal structure of the earth and plate tectonics. Includes weekly lab. Prerequisite: MTH 95 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**G 202 Physical Geology, 4 Cr.** Introduces physical geology which deals with mass wasting, streams, glaciers, deserts, beaches, groundwater, and use of topographic maps. Includes weekly lab. Prerequisite: MTH 95 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**G 203 Historical Geology, 4 Cr.** Introduces historical geology which deals with geologic time, fossils, stratigraphic principles, and the geologic history of the North American continent. Includes weekly lab. G201 or G202 or GS106 strongly recommended. Prerequisite: MTH 95 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**G 207 Geology of the Pacific Northwest, 3 Cr.** Introduces the regional geology of the Pacific Northwest with emphasis on Oregon geology. Includes basic geologic principles, earth materials and geology of Pacific Northwest provinces. Prior geology experience strongly recommended. Prerequisite: MTH 65 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**G 208 Volcanoes and Their Activity, 3 Cr.** Covers the origin, activity, products, classification and hazards of volcanoes. Prerequisite: MTH 65 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## General Science | GS

**GS 106 Physical Science (Geology), 4 Cr.** Covers minerals, rocks, volcanism, earthquakes, plate tectonics, erosion and deposition by wind, glaciers and streams, weathering, fossils and geologic history. Includes weekly lab. Prerequisite: MTH 65 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**GS 107 Physical Science (Astronomy), 4 Cr.** Surveys astronomy to include historical development of the universe, earth as a planet, earth's moon, planets of the solar system, the sun, stars and galaxies. Includes weekly lab. Prerequisite: MTH 65 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**GS 108 Physical Science (Oceanography), 4 Cr.** Includes the chemical, biological, physical and geological nature of the oceans. Includes weekly lab. Prerequisite: MTH 65 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**GS 109 Physical Science (Meteorology), 4 Cr.** Covers characteristics of our atmosphere, air pressure and winds, atmospheric moisture, large air masses, violent storms, forecasting, the effect of oceans on weather, and climates. Includes weekly lab. Prerequisite: MTH 65 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Health Education | HE

**HE 113 First Aid and CPR/AED Professional Rescuers/ Healthcare Providers, 1 Cr.** Introduces basic first aid knowledge for in the home, work and community environment. Trains in the emergency procedures and techniques of basic life support for adult, child, and infant victims of airway obstruction, respiratory arrest and/or cardiac arrest. Includes training in the use of the Automated External Defibrillator (AED). Covers additional life saving techniques for healthcare providers enrolled in the BLS component. Students who successfully complete this course will receive American Heart Association course completion cards for Heartsaver First Aid/ CPR/AED for the adult/child/ infant or an American Heart Association first aid card and BLS for Healthcare Provider card. Recommended: IRW115 or equivalent placement.

**HE 113 Primeros auxilios y RCP/SED para rescatistas profesionales y proveedores de atención médica, 1 Cr.** Introduce los conocimientos básicos de primeros auxilios para situaciones en el hogar, el trabajo y la comunidad. Capacita en procedimientos de emergencia y técnicas de soporte vital básico para personas adultas, niñas y niños, y lactantes que presenten obstrucción de la vía aérea, paro respiratorio y/o paro cardíaco. Incluye capacitación en el uso del Desfibrilador Externo Automático (DEA) y cubre técnicas adicionales para salvar vidas dirigidas a proveedores de atención médica inscritos en el componente de Soporte Vital Básico (BLS). Las y los estudiantes que completen satisfactoriamente este curso recibirán tarjetas de finalización de curso de la American Heart Association para Heartsaver First Aid/CPR/ AED para personas adultas/niñas y niños/lactantes, o una tarjeta de primeros auxilios de la American Heart Association y una tarjeta de BLS para proveedores de atención médica. Recomendado: IRW 115 o colocación equivalente.

**HE 262 Children's Health, Nutrition & Safety, 3 Cr.** Explores current health and safety issues for prenatal to age 8 years old children. Examines childhood illnesses and ailments, nutrition, obesity, stress, wellness, safe environment, community networking, self-esteem and general first aid. Prerequisite: placement into IRW 115 or WR 115. Audit available.

## Consumer & Family Studies | HEC

**HEC 201 Family-Teacher Partnerships and Community Connections, 3 Cr.** Identifies the influences on children and their families which impact child and family behaviors, values, attitudes, beliefs, and morals. Includes: parenting patterns; cultural, religious and socioeconomic influences; peer, school, media impacts; family development; community ecology; special needs children; prejudice; and public policy. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**HEC 202 Contemporary Families in the US, 3 Cr.** Introduces the meaning and role of "family" in the United States through the study of historic, contemporary and personal applications. Explores how diversity (age, race, ethnicity, sex, gender, social class, sexual orientation) is relevant in family structure and processes. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HEC 226 Child Development, 4 Cr.** Evaluates basic theories, research and principles of physical, cognitive, language, social and emotional development of children from the prenatal period through adolescence. Includes observation and classroom processes. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Health & Physical Education | HPE

**HPE 295 Health and Fitness for Life, 3 Cr.** Explores the interrelationship of the five components of physical fitness, basic nutrition concepts, and stress management activities to increase individual health and wellness. Includes lab sessions, fitness assessments, and fitness program development. Audit available.

## History | HST

**HST 104 History of the Middle East, 4 Cr.** Surveys the Middle East from ancient to modern times. Includes political, diplomatic, economic, social, religious and cultural themes. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 110 World History I: Ancient to Medieval, 4 Cr.** Covers the beginnings of civilization to the medieval period. Includes the ancient Near East, Egypt, India, China, Greece, Rome, and early medieval Europe. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 111 World History II: Medieval to Modern, 4 Cr.** Covers the Medieval period to the Early modern period. Includes the Middle East, India, China, Europe and the Americas. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 112 World History III: Early Modern to Present, 4 Cr.** Covers the Early modern period to the present. Includes the Middle East, India, China, Europe and the Americas. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 201Z United States History I, 4 Cr.** Surveys North America and United States history to the early 1800s: Native America, European colonization, colonial development, origins of slavery, American Revolution, early Republic, and Market Revolution. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121Z. Audit available.

**HST 202Z United States History II, 4 Cr.** Surveys United States history from the early 1800s to the early 1900s: Jacksonian era, expansion, Industrial Revolution, slavery, Civil War, Reconstruction, Gilded Age, Populism, Imperialism, the Progressive Era, and the First World War. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121.Z. Audit available.

**HST 203Z United States History III, 4 Cr.** Surveys United States history from the 1920s: Depression and New Deal, the Second World War and Cold War, Civil Rights movements, Neoliberalism, Globalization, and the United States and the world. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121Z. Audit available.

**HST 218 American Indian History, 4 Cr.** Covers history of American Indians in what is now the United States from pre-Columbian times to the present, exploring the cultural diversity among Native peoples, tribal sovereignty, conflicts and accommodations with European Americans, and the historical roots of contemporary issues that emphasize American Indians as a vital part of the shared history of the United States. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 225 History of Women, Sex, and the Family, 4 Cr.** Examines the historical and cultural variations in family life and sexuality in the 19th and 20th centuries in an international context (including the United States) through topics such as courtship, marriage, reproduction, violence, colonialism, homosexuality, and work. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 240 Oregon History, 4 Cr.** Examines the rich and diverse history of Oregon including the significance of Oregon's frontier heritage and Oregon's role in American history from pre-European contact to the modern era. Explores economic, political, social, and cultural factors in terms of race, ethnicity, gender, class, and religion. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 260 Conspiracy Theories, Secret Societies and Historical Controversies, 4 Cr.** Introduces the world of secret societies and conspiracy theories from prehistoric times through modern iterations. Examines the differences between critical thinking, conspiracy thinking, and the nature of historical "truth". Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**HST 270 History of Mexico, 4 Cr.** Surveys Mexican history from pre-Columbian to modern times. Focus on post contact history: the Spanish conquest, colonial Mexico, independence and its aftermath to contemporary times. Emphasizes social, political and cultural developments and contributions by a diversity of Mexico's peoples. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Integrated Reading & Writing | IRW

**IRW 115 Critical Reading and Writing, 5 Cr.** Prepares students for College Composition - WR 121 (the next course in the required writing sequence). Introduces the writing process with emphasis placed on thesis development, idea and essay organization, and revision. Focuses on reading as it relates to critical thinking, personal exploration, academic inquiry, and essay composition. Emphasizes the importance of understanding and responding to texts, expanding critical thinking and reading skills, developing greater research skills and information literacy, and preparing students for college composition. Prerequisite: ABE 75 or ABE 70 or GED 70 or equivalent placement. Audit available.

## Library | LIB

**LIB 101 Library Research and Information Retrieval Strategies, 1 Cr.** Introduces the research process and essential research skills. Develops critical thinking strategies. Teaches identification of research topics, planning and carrying out the research process, and to identify and cite preferred sources of credible information. Audit available.

## Medical Assisting | MA

**MA 110 Medical Office Communications and Professionalism, 3 Cr.** Identifies the basic components of the communication model as well as various types of communication. Presents techniques for effective communication with coworkers, patients, families, and caregivers. Includes an overview of the psychosocial development of a person, from birth to death. Introduces principles of the Patient-Centered Medical Home

model to encourage a therapeutic and helping relationship with the patient. Discusses appropriate patient interaction, proper office behavior, diversity and cultural bias, and emotional strength.

**MA 114 Electronic Health Records, 2 Cr.** Discusses basic concepts of use and maintenance of an Electronic Health Records (EHR) system. Provides hands-on experience performing the EHR tasks required of a medical office professional. Explores issues around EHR implementation, troubleshooting, HIPAA compliance, and claims submissions. Familiarizes students with administrative, clinical, and billing/coding skills.

**MA 115 Digital Health & Patient Care, 2 Cr.** Addresses the efficacy, benefits, and need for digital health platforms. Covers the use of information and communication technologies (ICTs) to solve health problems. Examines the use of telemedicine for patient empowerment and telecare in remote locations and underserviced areas. Explains the current technologies and tools and how to put them to effective use in daily healthcare. Provides legal provisions for telehealth implementation, discussing the risks of remote healthcare provision and cross-border care.

**MA 117 Medical Office Administrative Procedures, 5 Cr.** Introduces medical office administrative procedures with emphasis on patient reception, appointment scheduling, telephone techniques, mail handling, financial records, accounts receivable and payable, insurance, office management, and medical records management.

**MA 125 Medical Office Clinical Procedures, 6 Cr.** Provides practice and the opportunity to demonstrate proficiency in clinical competencies as required by the accrediting agency in a medical setting. Reviews examination room techniques: assisting the physician with examinations, treatment and minor surgery. Covers methods of asepsis and sterilization and the proper care of equipment and supplies.

**MA 126 Medical Office Diagnostic Procedures, 5 Cr.** Introduces clinical laboratory principles and procedures commonly performed in the physician's office setting, including urinalysis, basic hematology, chemistry, hematology, microbiology, immunology, and quality control. Trains in basic venipuncture and skin puncture techniques as well as proper specimen-handling procedures as dictated by the Clinical Laboratory Standards Institute(CLSI). Covers the preparation and training to function as an internal member in the ambulatory clinical lab care setting.

**MA 130 Body Systems, Diseases, and Drug Treatments, 4 Cr.** Surveys the foundations of anatomy and physiology of the human body. Provides a basic overview of body systems including circulatory, digestive, endocrine, integumentary, lymphatic, muscular, nervous, sensory, reproductive, respiratory, skeletal, and urinary. Identifies the general mechanisms of disease including etiology, symptoms, and common treatments. Expands on common medication treatments with an emphasis on administration, pronunciation, classifications, dosages, effects, and appropriate abbreviations used in calculating medication dosages.

**MA 170 Admin Practicum, 1 Cr.** Provides hands-on practice in administrative skills in a medical clinic/physician office setting. Department permission required.

**MA 270 Clinical Practicum, 4 Cr.** Provides hands-on practice in administrative and clinical skills in a medical clinic/physician office setting. Prerequisites: HE 113; Department permission required.

## Mechanical Systems | MEC

**MEC 120 Hydraulics and Pneumatics, 5 Cr.** Introduces the basic principles of hydraulics and pneumatics and applies these principles to build, maintain and troubleshoot industrial hydraulic and pneumatics circuits. Covers theory, generation, storage, transmission, and usage of hydraulic and pneumatics energy, pressure, and flow. Introduces hydraulic and pneumatics schematics and circuits as well as identification and operation of basic hydraulic and pneumatics components. Introduces basic ladder logic to automate, control and modify an electrically controlled hydraulic and pneumatics system with solenoid-operated directional control valves. Includes a 3-hour per week laboratory session. Prerequisite: MTH 65 or equivalent placement. Audit available.

**MEC 123 Industrial Mechanical Systems, 5 Cr.** Covers a broad exposure to industrial mechanical systems, including power transmission components, fasteners, tool lubrication and rigging. Develops a working knowledge of operation, assembly/disassembly, specifying and troubleshooting of various industrial components and practices. Prerequisites: IRW 115 or WR 115; placement into MTH 65 or MTH 98. Audit available.

**MEC 124 Mechatronic Systems in Advanced Manufacturing, 3 Cr.** Introduces the concepts, terms, and application of advanced manufacturing principles and practices and explores the role of mechatronic systems in the manufacturing process. Includes operations management, industry standards, basic heating and refrigeration, and maintenance. Explores applications of robots, computers, and control systems in a manufacturing environment. Prerequisites: IRW 115 or WR 115, MTH 65, or equivalent placement. Audit available.

## Manufacturing | MFG

**MFG 130 Fused Deposition Modeling Additive Manufacturing, 3 Cr.** Familiarizes students with Fused Deposition Modeling (FDM) 3D printers: their functions, relevant design applications, choosing between and working with a variety of FDM materials, performing root cause analysis for print failures, and developing design solutions to enable successful and repeatable print programs and filament profiles. Introduces FDM printer hardware, maintenance, and subcategories of FDM printer motion systems. Includes how to identify and fix common hardware and software issues, and how FDM printer technology has changed and improved over time. Audit available.

**MFG 131 SLA / LCD / DLP Additive Manufacturing, 3 Cr.** Familiarizes students with Stereolithography Apparatus (SLA) 3D printers; their functions, relevant design applications, choosing between and working with a variety of SLA materials, performing root cause analysis for print failures, and designing successful and repeatable print G-Code for different materials. Introduces SLA printer hardware, maintenance, and common subcategories of SLA printer UV light generation systems. Includes how to identify and fix common hardware and software issues, and how SLA printer technology has changed and improved over time. Focuses on post processing printed parts and safe material handling. Audit available.

**MFG 132 SLS and Polymer Powder Bed Fusion Additive Manufacturing, 3 Cr.** Familiarizes students with Selective Laser Sintering (SLS) 3D printers; their functions, relevant design applications, choosing between and working with a variety of SLS materials, identifying reasons for print failures, and designing successful and repeatable print programs. Introduces SLS printer hardware, maintenance, and common subcategories of SLS printer motion and laser aperture systems. Covers different types of lasers utilized for sintering polymers, how to identify and fix common hardware issues, and how SLS printer technology has changed and improved over the years. Audit available.

**MFG 150 Manufacturing Processes, 3 Cr.** Introduces basic manufacturing processes used in industry. Expands on joints learned in MFG 195 to out of position welding joints. Emphasizes weld quality, joint quality and measurement tolerances for welding processes used in industry. Introduces additional tools used in welding trades. Prerequisite/concurrent: MFG 195. Audit available.

**MFG 151 Fabrication Processes 1, 3 Cr.** Builds on fabrication principles started in MFG 150 and adds Pos 4 welding on mild steel in groove and fillet fitments. Focuses on scientific principles that effect weld outcomes and how those

principles can be used by welders to ensure quality weld and fabrication outcomes. Teaches use of Oxy-Fuel cutting equipment. Prerequisite: MFG 150. Audit available.

**MFG 152 Fabrication Processes 2, 3 Cr.** Introduces common remanufacturing principles as well as basic material science as it applies to welding and weld processes in the manufacturing environment. Covers in depth material handling and processing for mild steel welding projects as well as mark up and annotation for large project work. Teaches skills a welding floor foreman would routinely use. Prerequisite: MFG 150. Audit available.

**MFG 155 Blueprint Reading, 3 Cr.** Introduces reading and creating basic technical drawings. Explores fabricating from drawings to industry specification and tolerances, creating and drawing parts in computer software, and integrating with CNC part generation and computer aided blueprint design. Prerequisite/concurrent: MFG 195. Audit available.

**MFG 156 Integrated Manufacturing 1, 3 Cr.** Integrates the use of the 3 axis CNC, blueprints and manufacturing processes in the design and production of products. Introduces tolerances and quality control procedures, as well as backwards design principles and orthographic projection. Prerequisite: MFG 155. Audit available.

**MFG 157 Integrated Manufacturing 2, 3 Cr.** Covers the creation of multi-part assemblies and the process of welding them together to specification. Builds on the precision measuring and quality control tolerance checks introduced in MFG 156. Discusses the integration of efficiencies and lean manufacturing principles in the everyday operations of a manufacturing business. Teaches how to build fixtures that accurately and repeatedly create product to tolerance. Prerequisite: MFG 156. Audit available.

**MFG 195 Welding Technology I, 3 Cr.** Introduces the operation of equipment and tools used in standard welding and manufacturing shops. Identifies procedures, practices and skills used by welders including commonly used welding machines and the equipment used to cut and finish material. Audit available.

**MFG 210 Introduction to Computer Aided Design and Tolerancing, 3 Cr.** Introduces digital design using modern CAD programs in two dimensions and introduces three dimensional drawings. Explores basic dimensioning to Geometric Dimensions and Tolerancing as used in blueprints. Covers multi-view drawings, part and assembly drawings. Audit available.

**MFG 211 CAD Design for CNC Manufacturing 1, 3 Cr.** Prepares students for working with and creating three dimensional drawings that are used in manufacturing with CNC equipment. Introduces solid modeling concepts. Prerequisite: MFG 210. Audit available.

**MFG 212 CAD Design for CNC Manufacturing 2, 3 Cr.** Covers creating drawings for existing 3 dimensional objects for reproduction. Explores multi-part assemblies and assembly drawings as well as assembly animations and their utilization in lean manufacturing. Continues development of tool use in 3d drafting software and solid modeling skills including application in reproduction of products. Prerequisite: MFG 211. Audit available.

**MFG 220 Production Manufacturing 1, 3 Cr.** Introduces use of whole shop production methods for producing parts and assemblies. Describes the use of math and lean manufacturing principles to streamline production and prototyping in the industrial environment. Audit available.

**MFG 221 Production Manufacturing 2, 3 Cr.** Explores CNC operations processes and their role in creating a product from solid 3d modeling. Utilizes numerous systems of control and manufacturing processes to create streamlined research and development and rapid prototype products for testing. Prerequisite: MFG 220. Audit available.

**MFG 222 Production Manufacturing 3, 3 Cr.** Combines the use of CNC technology and other metalworking and welding techniques to create a simulated production fabrication environment from design to prototype. Utilizes numerous integrated math and technology aspects to accurately produce products. Explores manufacturing problem solving and critical thinking. Prerequisite: MFG 221. Audit available.

**MFG 230 Metrology 1, 3 Cr.** Introduces concepts of precision measurement, GD&T and dimensional tolerance using hand tools and industry standard blueprints. Explores techniques used for accurate measurement after production of parts and assemblies to specification, and for inspection of in-service parts and assemblies for appropriate wear tolerance. References GD&T symbols necessary for basic inspection processes and production.

**MFG 231 Metrology 2, 3 Cr.** Explores the measurement of in-process production parts and assemblies utilizing a mix of manual devices, machine-based tools and computer numerically controlled machine processes. Designs more accurate and in-depth processes of measurement utilizing both manual and digital measuring devices for increased accuracy. References GD&T symbols necessary for intermediate inspection processes and production. Prerequisites: MFG 230. Audit available.

**MFG 232 Metrology 3, 3 Cr.** Explores the utilization of advanced measuring instruments and tools, both hand-controlled and computer numerically controlled with a focus on tight tolerances and difficult geometry. Teaches strategies and methodologies for inspecting larger quantities of parts and the processes needed to do so. References GD&T symbols necessary for more complex inspection processes and production. Prerequisite: MFG 231. Audit available.

**MFG 240 Design for Additive Manufacturing, 3 Cr.** Trains the skills needed to navigate and design in a digital 3D space (Computer Aided Design, CAD), and to ensure effective usage of computer technology that is essential to additive manufacturing (AM). Focuses on pathways to creation of parts for AM; a deviation from traditional CAD workflows. Audit available.

**MFG 241 Prototyping and Production using Additive Methods, 3 Cr.** Teaches prototyping and documentation processes: how to make prototyping more efficient in material use and time, and how to accurately and objectively assess the quality of additively manufactured parts, and identify areas to be improved upon via the iterative process. Creates skillsets to identify design priorities and needs, such as finding the best process modality, and determining jobs better suited to other methods of manufacture. Requires the application of a specific design process that is chosen and applied throughout the design and production process. Audit available.

**MFG 242 3D Scanning and Design to Fit, 3 Cr.** Builds on digital design skills by incorporating 3D scans of parts into the design workflow. Incorporates the operation of multiple kinds of scanning technology, and provides training on how each technology generates data. Includes the optimization of 3D scan data, bringing it into CAD software to reverse design parts, and/or record key datums needed when designing parts meant to fit with the scanned object. Audit available.

**MFG 250 Metal Additive Manufacturing 1, 3 Cr.** Presents key strategies for success in metal additive manufacturing. Covers the use of data preparation software, starting with simple parts that have additive-friendly geometry. Trains in the operation of DMLS machinery and safe handling and processing of the non-explosive stainless-steel powder used as the material medium. Addresses the material properties of the powder, which inform strategies used during data preparation. Covers key and required supplemental skills, such as ability to operate wire electrical discharge machining equipment and CNC mills for part removal and build plate processing. Audit available.

**MFG 251 Metal Additive Manufacturing 2, 3 Cr.** Builds upon metal additive techniques learned in MFG 250, addressing parts with more challenging geometry and learning to generate model preparations as applicable to part geometry. Introduces the printing of multiple parts at once during a build, with focus placed on key changes required when larger thermal mass is present. Practices printing parts with more

challenging materials, moving from aluminum to magnesium and titanium, which require changes to powder handling tactics. Explores commonly available post-processing methods to improve the surface finish on printed parts, including tumbling and sandblasting. Prerequisite: MFG 250. Audit available.

**MFG 252 Metal Additive Manufacturing 3, 3 Cr.** Builds upon metal additive techniques learned in MFG 251. Involves printing parts requiring more specific final dimensions, engaging in more rigorous model preparations required to mitigate problems associated with close tolerance geometry. Explores production strategies to achieve tightly toleranced part dimensions, starting with additive techniques and moving on to reductive finishing methods. Introduces strategies to print at near net shape, with excess material on critical surfaces to be cut with precision reductive CNC machines. Includes printing in highly challenging materials, such as titanium, which require specific powder handling techniques and model preparations due to metallurgical properties such as thermal expansion/contraction, conductivity/dissipation. Prerequisite: MFG 251. Audit available.

**MFG 260 Metrology for Additive Manufacturing, 3 Cr.** Covers the use of additive technology and material calibration skills to produce, on a consistent basis, a variety of parts accurate to specified measurements and tolerances provided on blueprints. Explores the nuances of additive design principles and how they apply to the measurement of parts made using AM processes. Utilizes procedures and measuring tools specific to additive manufacturing. Audit available.

**MFG 261 Iterative Production Manufacturing for Additive Manufacturing, 3 Cr.** Explores additive technology and develops prototyping techniques to design and efficiently produce parts that take advantage of the strengths of additive manufacturing technology. Compares designs across iterations, with changes intended to increase production efficiency. Analyzes production design and production methods. Analyzes each process and prepares students to perform associated changes at intervals to evaluate efficacy of methods used. Audit available.

**MFG 262 Multi-Process and Production Additive Manufacturing, 3 Cr.** Explores the creation of high-volume production strategies for a variety of parts and geometries. Demonstrates efficient production strategies, utilizing time and cost saving measures. Trains in the tracking of data as parts are produced, using additive technology to start and reductive technology to finish surfaces and meet tight tolerances. Compares, analyzes and uses different manufacturing strategies, based on the product produced, to determine advantages and disadvantages of each, as well as the potential return on investment. Audit available.

**MFG 279 Aluminum GTAW/TIG Welding, 3 Cr.** Introduces students to the use of GTAW/TIG equipment on aluminum alloys, and the methods and techniques for welding on them. Explores different electrical waveforms and frequencies needed for joint, pipe and butt weldment as well as covering prep of materials, consumables and tungsten. Prerequisites: MFG 195, MFG 150. Audit available.

**MFG 281 Aluminum GTAW/TIG Fabrication Processes 1, 3 Cr.** Builds on the knowledge of MFG 280 by beginning structural code welding practice and deepening knowledge of GTAW AC processes as they pertain to welding aluminum and alloys. Provides experience creating multipart assemblies as in a production manufacturing environment. Corequisite: MFG 280. Audit available.

**MFG 282 Aluminum GTAW/TIG Fabrication Processes 2, 3 Cr.** Builds on MFG 281 by continuing structural code practice, adding in pipe and tube welding techniques in aluminum, and creating pressure vessels in out of position weldments. Provides understanding of warp and how to account for warp in building multi-part assemblies, as well as sanitary / clean practices for welding aluminum. Prerequisite: MFG 281. Audit available.

**MFG 285 Stainless Steel GTAW/TIG Welding, 3 Cr.** Introduces the use of GTAW/TIG equipment on stainless steel alloys, and the methods and techniques for welding on them. Explores different techniques and special shielding gas requirements for pipe, fillet and butt weldment as well as covering prep of materials, consumables and tungsten. Prerequisites: MFG 195, MFG 150. Audit available.

**MFG 286 Stainless Steel GTAW/TIG Fabrication 1, 3 Cr.** Builds on the skills learned in MFG 285 by introducing welding to AWS code for stainless steel alloys. Introduces fabrication of stainless steel assemblies and the different procedural and prep changes for different stainless steel alloys. Presents AWS tolerances in color and purity in stainless steel welding, and experiments with a range of outcomes and how they differ both practically and chemically. Prerequisite: MFG 285. Audit available.

**MFG 287 Stainless Steel GTAW/TIG Fabrication 2, 3 Cr.** Builds on MFG 286, introducing Position 3 AWS D1.6 structural code destructive testing as well as working with welding and preparing tube/pipe and pressure vessels. Provides critical skills to handle warp as well as sanitary/food grade stainless steel welding processes. Corequisites: MFG 286. Audit available.

**MFG 290 Student Production Manufacturing Lab, 4 Cr.** Practices creation, design and strategy implementation for a long term product on a medium to large scale. Includes opportunities for working with local businesses, governmental agencies, or on private projects of a larger scale. Emphasizes engagement with community partners for development of manufacturing-based solutions. Prerequisite/concurrent: MFG 212, MFG 222.

## Medical Professions | MP

**MP 111 Medical Terminology, 4 Cr.** Covers analysis of the structure of medical words and application to basic anatomy, physiology, and disease processes of the human body. Stresses spelling and pronunciation. English communication skills necessary. Prerequisite: placement into IRW 115 or WR 115.

**MP 140 Introduction to Health Law and Ethics, 3 Cr.** Introduces the legal aspects, code of ethics and policy issues relevant to health care. Emphasizes confidential communications, advanced directives, consents, professional liability, medical malpractice, release of information, case studies and the professional code of ethics for medical assistants. Includes concepts of professional credentialing and responsibility, liability and working within legal/ethical boundaries.

## Mathematics | MTH

**MTH 65 Beginning Algebra, 4 Cr.** Covers the use of applications, formulas, and reasoning skills to write, manipulate, interpret, and solve equations involving polynomials, radicals, and rational expressions. Introduces concepts numerically, graphically, and symbolically. Develops skills to communicate results in oral and written form. Prerequisite: placement into MTH 65. Audit available.

**MTH 95 Intermediate Algebra, 4 Cr.** Introduces functions graphically and symbolically with an emphasis on function notation. Investigates functions, equations, and graphs involving linear, quadratic, rational, radical, and absolute value expressions. Integrates technology throughout. Graphing calculator required. Prerequisites: MTH 65 or equivalent placement; placement into WR 115. Audit available.

**MTH 95Q Corequisite for Intermediate Algebra, 1 Cr.** Focuses on the foundational skills, concepts, and communication needed to be successful in MTH 95 Intermediate Algebra. Provides appropriate support in arithmetic, algebra, technology, and study skills in an interactive setting. Co-requisite: MTH 95.

**MTH 98 Quantitative Math, 4 Cr.** Covers applied number sense, applied algebraic reasoning and modeling, graphical sense, measurement, formula use for basic geometric figures, and statistical reasoning. Explores how to appropriately communicate mathematical arguments that are supported by quantitative evidence using words, graphs, numbers, and algebra. Prerequisites: placement into IRW 115 or WR 115; placement into MTH 98. Audit available.

**MTH 105Q Corequisite for Math in Society, 1 Cr.** Focuses on the foundational skills, concepts, and communication needed to be successful in MTH 105Z Math in Society. Provides appropriate support in arithmetic skills, algebra skills, technology, and study skills in an interactive setting. Corequisite: MTH 105Z.

**MTH 105Z Math in Society, 4 Cr.** Explores present-day applications of mathematics focused on developing numeracy. Includes quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. Emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology. Prerequisites: MTH 65 or MTH 98 or equivalent placement. Placement into WR 115. Audit available.

**MTH 110 Technical Math, 4 Cr.** Explores mathematics used in the study of technical and industrial systems including basic algebra, engineering notation, unit conversion and dimensional analysis, function notation, exponential and logarithmic functions, sinusoidal functions, and complex numbers in polar, rectangular, and phasor forms. Scientific calculator required. Recommended: concurrent enrollment in EET 111. Prerequisite: MTH 65 or equivalent placement. Audit available.

**MTH 111Q Corequisite for Precalculus I: Functions, 1 Cr.** Focuses on the foundational skills, concepts, and communication needed to be successful in MTH 111Z Precalculus I: Functions. Provides appropriate support in algebra, functions, problem solving, graphing, technology, and study skills in an interactive setting. Co-requisite: MTH 111Z.

**MTH 111Z Precalculus I: Functions, 4 Cr.** Prepares students for trigonometry or calculus, focusing on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. Explores topics symbolically, numerically, and graphically in real-life applications and interpreted in context. Emphasizes skill building, problem-solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. Prerequisite: MTH 95 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**MTH 112Z Precalculus II: Trigonometry, 4 Cr.** Prepares students for calculus and related disciplines, exploring trigonometric functions and their applications as well as the language and measurement of angles, triangles, circles, and vectors. Explores topics symbolically, numerically, and graphically in real-life applications and interpreted in context. Emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. Prerequisite: MTH 111 or MTH 111Z or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**MTH 140 Mathematics of Games, 4 Cr.** Explores the mathematics of games by analyzing strategies, probabilities, and decision trees. Utilizes concepts from game theory, combinatorics, and probability theory to understand optimal moves, equilibrium points, and expected payoffs, enhancing strategic thinking and problem-solving skills. Prerequisites: MTH 65 or MTH 98, WR 115, or equivalent placement. Audit available.

**MTH 211 Foundations of Elementary Mathematics I, 4 Cr.** Prepares prospective elementary teachers to teach math by strengthening their mathematical background. Explores the following topics: problem solving, sets, whole numbers, number theory, and fractions. First term of a three-term math sequence. Prerequisite: MTH 95 or MTH 98 or equivalent placement; Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**MTH 212 Foundations of Elementary Mathematics II, 4 Cr.** Continues to prepare prospective elementary teachers to teach math by strengthening their mathematical background. Explores the following topics: operations involving fractions, decimals, ratio, proportion, percent, integers, also an introduction to statistics and probability. Second term of a three-term sequence. Prerequisite: MTH 211. Audit available.

**MTH 213 Foundations of Elementary Mathematics III, 4 Cr.** Continues to prepare prospective elementary teachers to teach math by strengthening their mathematical background. Explores the following topics: problem solving using Algebra, use of the coordinate plane, functions, geometry and measurement. Third term of a three-term math sequence. Prerequisite: MTH 212. Audit available.

**MTH 231 Elements of Discrete Mathematics, 4 Cr.** Explores foundational concepts in discrete mathematics. Includes basic set theory, functions, counting, sequences, logic and proofs, graph theory, and introductory number theory. Investigates both theoretical and applied aspects using symbolic, graphical, and numerical methods. Prerequisite: MTH 111Z. Audit available.

**MTH 251Z Differential Calculus, 4 Cr.** Explores limits, continuity, derivatives, and their applications for real-valued functions of a single variable. Explores topics graphically, numerically, and symbolically in real-life applications. Emphasizes abstraction, problem-solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of technology. Prerequisite: MTH 112Z. Audit available.

**MTH 252Z Integral Calculus, 4 Cr.** Explores Riemann sums, definite integrals, and indefinite integrals for real-valued functions of a single variable. Explores topics graphically, numerically, and symbolically in real-life applications. Emphasizes abstraction, problemsolving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of technology. Prerequisite: MTH 251Z. Audit available.

**MTH 253Z Calculus: Sequences and Series, 4 Cr.** Explores real-valued sequences and series, including power and Taylor series. Includes topics in convergence and divergence tests and applications. Explores topics graphically, numerically, and symbolically. Emphasizes abstraction, problem-solving, reasoning, communication, connections with other disciplines, and the appropriate use of technology. Prerequisite: MTH 252Z. Audit available.

## Professional Music | MUC

**MUC 123 Electronic Media I, 2 Cr.** Introduces digital recording, sound design and elements of desk top multimedia production in an off-the-shelf software environment. Explores moving images, narrative text, independent research and sound animation. Includes the fundamentals of MIDI (Musical Instrument Digital Interface) as well as various industry standard media production tools, i.e. iMovie, Logic Pro and Cakewalk. Personal instruments are welcome in class. Prerequisite: placement into IRW 115 or WR 115. Audit available.

**MUC 124 Electronic Media II, 2 Cr.** Covers computer based recording, original sound synthesis, online media sourcing, for the composer/arranger, web, film or video game designer. Includes fundamentals in Midi, sequencing, sampling, basic signal processing, and digital image, text and sound processing. Covers practical production skills using state of the art digital technology, achieving broadcast quality results. Students create original material during lab sessions. Prerequisites: MUC 123. Audit available.

## Music | MUS

**MUS 105 Music Appreciation, 3 Cr.** Establishes an introduction to understanding symphonic, chamber and solo instrumental and vocal genres from pre-renaissance through the contemporary music of our time. Prerequisites/concurrent: IRW 115 or WR 115 or equivalent placement. Audit available.

**MUS 108 Music Cultures of the World, 3 Cr.** Examines musical cultures throughout the world with attention to cultural contexts and musical styles, including but not limited to Africa, the Americas, Asia, Near East, Europe and

the South Pacific. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**MUS 110 Fundamentals of Music, 4 Cr.** Covers the basic concepts of music: pitch, rhythm, meter, intervals, modes, scales, harmony and music notation. Introduces the science of sound and music theory terminology. Begins development of musical performance skills through singing, clapping and performance on the piano keyboard. Includes basic aural/vocal skills. Course intended for non-music majors and to prepare students for further music theory study. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**MUS 191 Guitar I, 2 Cr.** Develops solo and ensemble guitar in a group setting, stressing the finding of one's musical voice within the panoply of guitar styles. Surveys classical as well as culturally based styles, and includes guitar notation systems. Varied performance levels will be accommodated in the class. Enthusiasm and possession of a nylon stringed acoustic guitar is the only prerequisite. Audit available.

## Nursing | NRS

**NRS 110 Foundations of Health Assessment and Health Promotion, 9 Cr.** Introduces the framework of the OCNE curriculum. Emphasizes health promotion across the life span, and addresses learning about self-care as well as patient health practices, including: accessing evidence about healthy lifestyle patterns and risk factors for disease/illness, applying growth and development theory, interviewing patients in a culturally sensitive manner, identifying members of an interprofessional team, and using reflective thinking about their practice as nursing students. Includes clinical learning experiences with practice in selected core nursing skills. Prerequisites: formal admission to the CGCC Nursing Program.

**NRS 111 Foundations of Nursing in Chronic Illness I, 6 Cr.** Expands on assessment and common interventions with the focus on patients with common chronic illnesses across the life span in multiple ethnic groups. Explores the patient's and family's "lived experience" of the condition. Applies clinical practice guidelines and research evidence to guide clinical judgments in the care of individuals with chronic conditions. Explores multidisciplinary team roles and responsibilities in the context of delivering safe, high-quality health care to individuals with chronic conditions (includes practical and legal aspects of delegation). Examines cultural, ethical, legal, and health care delivery issues through case scenarios and clinical practice. Includes classroom and clinical learning experiences. Practices selected core nursing skills as part of the clinical portion. Corequisites: NRS 235, NRS 238.

**NRS 112 Foundations of Nursing in Acute Care I, 6 Cr.** Introduces the learner to the application of clinical judgment for care of culturally diverse patients across the lifespan who are experiencing prevalent acute conditions or acute exacerbations of chronic conditions. Incorporates legal and ethical aspects of care to guide evidence-based, patient-centered nursing care. Includes classroom and clinical learning experiences. Corequisites: NRS 236, NRS 239.

**NRS 221 Nursing in Chronic Illness II and End-of-Life Care, 9 Cr.** Builds on NRS 111, Foundations of Nursing in Chronic Illness 1. Expands the student's clinical judgement related to chronic disease management, including symptom management, family care giving concerns, palliative care, and end of life concepts. Include patient focus in chronic physical and mental health conditions, disabilities affecting functional status, as well as issues impacting family relationships. Explores ethical issues related to advocacy, self-determination, and autonomy as well as diversity, equity and justice. Covers legal considerations related to nursing practice with chronic health populations, such as those at end-of-life and experiencing mental health disorders. Provides demonstrations of cognitive, affective, and psychomotor skills associated with the assessment and management of increasingly complex comorbidities within the context of patient and/or family centered care. Expands on the concepts of enhancing therapeutic communication and collaboration as a member of an interprofessional team and across health care settings. Includes classroom and clinical learning experiences. Prerequisite: NRS 111.

**NRS 222 Nursing in Acute Care II and End-of-Life Care, 9 Cr.** Builds upon Nursing 112 Nursing in Acute Care 1, with a focus on more complex conditions in patients across the lifespan. Develops the application of clinical judgment, with a focus on culturally diverse patients who are experiencing acute, complex, rapidly changing, multisystem conditions and situations. Incorporates the legal and ethical aspects of care for guiding evidence-based, patient-centered nursing care. Includes classroom and clinical learning experiences. Prerequisite: NRS 112.

**NRS 224 Integrative Practicum, 9 Cr.** Provides students with opportunities to apply theories and skills learned in previous nursing courses. It is designed to refine the clinical judgments, knowledge and skills necessary for safe and effective registered nurse practice, using a variety of evidence-based teaching and learning models. Opportunities for analysis and reflection throughout the clinical experience and provides the student with evaluative criteria against which they can judge their own progress towards achieving course outcomes. Includes immersive clinical experience, seminar, self-directed study, focusing on the transition from the student role to the professional nursing practice role. Prerequisites: NRS 221, NRS 222.

**NRS 234 Pathophysiological Processes for Nursing 1, 2 Cr.** Introduces pathophysiological processes that contribute to many different disease states across the lifespan and human responses to those processes. Includes 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. Develops skills for making clinical decisions using critical thinking in the context of nursing, using current, reliable sources of pathophysiology information. Trains in the selecting and interpreting of focused nursing assessments based on knowledge of pathophysiological processes, teaching individuals from diverse populations and communicating with other health professionals regarding pathophysiological processes. The first course in the three course Pathophysiological Processes for Nursing series. Prerequisite: Admission to the Nursing Program. Corequisites: NRS 110, NRS 237.

**NRS 235 Pathophysiological Processes for Nursing 2, 2 Cr.** Explores pathophysiological processes that contribute to disease states across the lifespan and human responses to those processes. Develops skills for making clinical decisions using critical thinking in the context of nursing. Covers current, reliable sources of pathophysiology information, and the selecting and interpreting of focused nursing assessments based on knowledge of pathophysiological processes. Develops strategies for teaching individuals from diverse populations and communicating with other health professionals regarding pathophysiological processes. The second course in the three course Pathophysiological Processes for Nursing series. Prerequisite: NRS 234. Corequisites: NRS 111, NRS 238.

**NRS 236 Pathophysiological Processes for Nursing 3, 2 Cr.** Explores pathophysiological processes that contribute to disease states across the lifespan and human responses to those processes. Develop skills for making clinical decisions using critical thinking in the context of nursing. Covers current, reliable sources of pathophysiology information, and the selecting and interpreting of focused nursing assessments based on knowledge of pathophysiological processes. Develops strategies for teaching individuals from diverse populations and communicating with other health professionals regarding pathophysiological processes. The third course in the three course Pathophysiological Processes for Nursing series. Prerequisite: NRS 235. Corequisite: NRS 112, NRS 239.

**NRS 237 Clinical Pharmacology for Nursing 1, 2 Cr.** Introduces the theoretical background providing safe and effective care related to use of drugs and natural products by individuals

throughout their lifespan. Covers the foundational concepts and principles of pharmacology, as well as numerous classes of drugs, including: over the counter drugs, antidiabetics and hormone therapies, nonopioid analgesics, opioid analgesics, and antibiotics. Develops skills for making selected clinical decisions in the context of nursing regarding the use of current, reliable sources of information, understanding pharmacokinetics and pharmacodynamics, interpreting developmental physiologic considerations, monitoring and evaluating the effectiveness of drug therapy, teaching individuals 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. Studies drugs by therapeutic or pharmacological class, using an organized framework. The first course in the three course Clinical Pharmacology for Nursing series. Prerequisite: Admission to the Nursing Program. Corequisites: NRS 110, NRS 234.

**NRS 238 Clinical Pharmacology for Nursing 2, 2 Cr.** Provides the theoretical background for providing safe and effective nursing care related to the use of drugs and natural products by individuals throughout their lifespan. Covers the foundational concepts and principles of pharmacology, as well as numerous classes of drugs, including: polypharmacy and lifespan considerations, respiratory drugs, autonomic drugs, musculoskeletal drugs, gastrointestinal drugs, and antifungals and antitubercular drugs. Develops skills for making selected clinical decisions in the context of nursing regarding the use of current, reliable sources of information, monitoring, and evaluating the effectiveness of drug therapy, teaching individuals 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 second course in the three course Clinical Pharmacology for Nursing series. Prerequisite: NRS 237. Corequisites: NRS 111, NRS 235.

**NRS 239 Clinical Pharmacology for Nursing 3, 2 Cr.** Provides the theoretical background for providing safe and effective nursing care related to the use of drugs and natural products by individuals throughout their lifespan. Covers the foundational concepts and principles of pharmacology, as well as numerous classes of drugs, including: neurological drugs, psychotropic drugs, antineoplastic drugs, immune system-related drugs, and vitamins. Develops skills for making selected clinical decisions in the context of nursing regarding the use of current, reliable sources of information, monitoring, and evaluating the effectiveness of drug therapy, teaching individuals from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects. Communicating appropriately with other health professionals regarding drug therapy. The third course in the three course Clinical Pharmacology for Nursing series. Prerequisite: NRS 238. Corequisites: NRS 112, NRS 236.

**NUR 90 Nursing Assistant 1, 7 Cr.** Identifies the knowledge and skills needed by a nursing assistant to provide safe and effective care to patients in a variety of health care settings. Follows curriculum approved by the Oregon State Board of Nursing in preparation for taking the Oregon certification exam for the nursing assistant. Prerequisites: placement into IRW 115 or WR 115; proof of Measles immunization; Prerequisite/Concurrent: current TB test and passing of a criminal background check.

## Office Systems | OS

**OS 220 Business Editing, 4 Cr.** Develops skills necessary for proofreading, editing, formatting, and writing memos, letters and email. Emphasis on punctuation, capitalization, spelling, grammar, and word use. Recommended: WR 115 or equivalent placement. Prerequisites: CAS 216, CAS 121 or instructor permission. Audit available.

**OS 240 Records and Information Management, 4 Cr.** Introduces records and information management (RIM) of both physical and electronic records. Develops industry standard filing skills using various filing methods. Examines the role of information governance in a business setting. Addresses the ethical and legal considerations of RIM. Recommended: Word processing and spreadsheet skills. Audit available.

## Physical Education | PE

**PE 181A Weight Training, 1 Cr.** Stresses the proper guidelines, principles and techniques of weight lifting and the development of muscular strength and endurance. Introduces the development of individual weight training programs that allow for body and strength differences, including weight training etiquette and safety. Each student will progress at a rate commensurate with his or her abilities. Audit available.

**PE 181D Circuit Interval Training, 1 Cr.** Improves aerobic, anaerobic and strength conditioning through interval training. Includes the use of free weights and/or other equipment and functional fitness training. Covers key muscle groups. Each student will progress at a rate commensurate with his or her abilities. Audit available.

**PE 182D MindBody Fitness, 1 Cr.** Explores wholebody empowerment to increase energy and boost strength and fitness with fun tunes and dynamic exercises. Emphasizes elements of Yoga, Functional Fitness to build strength in core, shoulders, legs and back. Incorporates both isometric holds and functional dynamic exercises that challenge and tone. Audit available.

**PE 182H Adult Fitness, 1 Cr.** Exercises and activities which strengthen and condition specific large muscle groups, improve cardiovascular fitness and flexibility. Audit available.

**PE 182J Gentle Yoga, 1 Cr.** Introduces Vinyasa yoga, a dynamic series of poses performed at a gentle pace and helpful in the management of stress. Covers basic yoga philosophy, asanas, pranayama, meditation and relaxation for a holistic approach to better health and wellness. Recommended for students with limited abilities and beginners. Audit available.

**PE 182Y Indoor Cycle Training, 1 Cr.** Introduces structured group cycling. Promotes improved cardiorespiratory conditioning, muscle strength and endurance, flexibility and body composition. Promotes active energy through fun, inspiring music and cycling movement. Audit available.

**PE 183N Racquet Sports, 1 Cr.** Introduces one or more racquet sports. Emphasizes rules, equipment, techniques and strategy for both singles and doubles play. Develops fun recreational skills and strategies for maintaining lifelong health and fitness. Audit available.

**PE 183P Basic Arnis, 1 Cr.** Introduces the Filipino martial art arnis. Covers basic strikes, blocks, and disarms with a single stick and live hand, double stick, and unarmed. Presents critical distance, positioning, dexterity and targeting drills and combinations including 6 and 10 count patterns, single sinawali, and double sinawali. Audit available.

**PE 183Q Kajukenbo, 1 Cr.** Introduces Hawaiian mixed martial art kajukenbo. Covers basic hand techniques and kicks, grappling takedowns, escapes, and submissions, self-defense, and extension weapon training. Presents critical distance, positioning, dexterity, agility, conditioning, timing, and targeting drills. Audit available.

**PE 183R Beginning Karate I, 1 Cr.** Introduces a working knowledge of the fundamental techniques employed in the art of Karate-Do. Audit available.

**PE 185K Ultimate Disc, 1 Cr.** Provides instruction in skills, drills and game play for the game of Ultimate Disc. Covers rules, strategy team play as well as concepts of team organization. Each student provides appropriate sport clothing for activity – sport shoes or rubber cleats required. Audit available.

**PE 185L Dance, 1 Cr.** Introduces traditional and popular dance forms and styles from a selection of countries and cultures. Examines and practices dance movement. Develops fun recreational skills and strategies for maintaining lifelong health and fitness. Audit available.

## Philosophy | PHL

**PHL 201 Introduction to Philosophy: Philosophical Problems, 4 Cr.** Examines the seminal thinkers from both the Western and Eastern traditions of philosophy through a survey approach to the history of ideas. Develops reasoning skills in order to think critically and recognize that philosophy is everywhere. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PHL 202 Introduction to Philosophy: Elementary Ethics, 4 Cr.** Investigates two basic questions of human existence: What is the best way for people to live, and what does it mean to be a good person? Introduces the three main fields of ethics: meta-ethics, normative ethics and applied ethics sources for thinking that helps determine right and wrong conduct. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PHL 204 Philosophy of Religion, 4 Cr.** Examines the existence and attributes of God, faith, reason, the phenomena of fundamentalism and mysticism, religion and science, religion and gender, the problem of evil, religious language and life after death from multiple disciplines, historical and cultural perspectives. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Political Science | PS

**PS 201 US Government I, 4 Cr.** Examines the development of constitutional traditions in the United States. Includes topics such as the Bill of Rights, interest groups, parties, and elections, as well as, national institutions including the Legislative, Executive and Judicial branches of government. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 202 US Government II, 4 Cr.** Examines the public administration of and management issues relating to US national bureaucratic institutions. Covers how these impact a wide range of domestic policies including taxation, spending priorities, economic regulations, poverty programs, healthcare, and environmental programs, social security and other entitlements. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 203 State and Local Politics, 4 Cr.** Examines state and local government policy formulation and outcomes on issues ranging from taxation to prisons, and education to environmental concerns. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 204 Comparative Political Systems, 4 Cr.** Covers the study of political systems in various countries. Includes such issues as policy-making, representation/ participation, political culture, political economy and development and governance. Compares countries that represent various political systems, including: democracies, totalitarian regimes, dictatorships, post-communist systems in transition, newly industrializing and developing countries. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 205 Global Politics: Conflict & Cooperation, 4 Cr.** Examines the nature of relations among states. Includes topics on motivating factors such as nationalism and imperialism, economic rivalries and the quest for security, questions of national sovereignty and international cooperation, war and peace, global issues, and the future. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 211 Peace and Conflict, 4 Cr.** Explores the causes and manifestations of violence in actions involving oneself, society, one's nation, and the global community. Considers alternatives to oppressive behavior, undemocratic institutions, and the violent resolution of conflict. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 220 US Foreign Policy, 4 Cr.** Covers historical analytical treatment of select foreign policy themes. Examines the United States' attempt to create world order through use of economic, military and diplomatic power, the roles of democratic institutions and decision-making elites in creating foreign policy, and the interdependent basis of the contemporary international system. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PS 225 Political Philosophy, 4 Cr.** Covers sources, strengths and weaknesses of contemporary political philosophies, and the conditions which lead to conflict or to cooperation among them. Includes liberalism, conservatism, socialism, fascism, and other idea systems. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Psychology | PSY

**PSY 101 Psychology and Human Relations, 4 Cr.** Applies psychological principles to relationships in both personal and professional environments. Includes an overview of basic personality and social psychology concepts, as well as specific skill development in the areas of communication, listening, and conflict resolution. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 201Z Introduction to Psychology I, 4 Cr.** Introduction to the science and application of psychology. Emphasis will be placed on psychological concepts, theories, and principles related to: Research Methods, Behavioral Neuroscience, Consciousness, Sensation/Perception, Learning, Memory, Thinking and Intelligence, and related topics. PSY 201Z and 202Z are not sequential and may be taken in any order. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 202Z Introduction to Psychology II, 4 Cr.** Introduction to the science and application of psychology. Emphasis will be placed on psychological concepts, theories, and principles related to Personality, Social Psychology, Health and Well-Being, Motivation and Emotion, Disorders, Therapies, Lifespan Development, and related topics. PSY 201Z and 202Z are not sequential and may be taken in any order. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 213 Introduction to Behavioral Neuroscience, 4 Cr.** Surveys the role of the brain and nervous system in behavior, psychological functioning, and neurophysiological processes that underlie human development. Prerequisite: PSY 201A or BI 231. Audit available.

**PSY 214 Introduction to Personality, 4 Cr.** Covers a variety of personality theories including the theoretical and scientific explanations for individuals' characteristic patterns of perception, thought, emotion and behavior. Emphasizes the understanding and mastery of personality constructs applied to students' personal and professional lives. Recommended: PSY 201A or 202A. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 215 Lifespan Development, 4 Cr.** Surveys major developmental theories and patterns of change and continuity from birth to death in human subjects. Emphasizes biological, cognitive, and emotional development through the lifespan. Examines cultural influences on development. Recommended: PSY 201A or 202A. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 216 Social Psychology, 4 Cr.** Surveys the scientific study of how individuals think about, influence, and relate to one another with respect to social beliefs, persuasion, attraction, conformity, obedience, prejudice, aggression, and pro-social behaviors. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 222 Family & Intimate Relationships, 4 Cr.** Explores processes involved in both traditional and non-traditional relationships and families; including love, cohabitation, dating, marriage, parenting, communication and conflict resolution, sexuality, balancing work and family, domestic violence, divorce, remarriage and blended families. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 231 Human Sexuality I, 4 Cr.** Explores sexual issues from scientific and humanistic perspectives. Surveys historical, cultural and cross-cultural variation in sexuality, sex research, female and male sexual and reproductive anatomy and physiology, gender issues, sexual response, sexual communication, sexual behavior patterns, love, and sexual orientations. This is the first course in a two-course sequence. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 232 Human Sexuality II, 4 Cr.** Explores sexual issues from scientific and humanistic perspectives. Surveys sexuality through the life cycle, sexual problems, sexual satisfaction, contraception, conception, sexuality and disability, sex and chronic illness, sexually transmitted infections, sexual victimization, atypical sexual behavior, and the commercialization of sex. This is the second course in a two course sequence. Recommended: PSY 231 taken before PSY 232. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**PSY 239 Introduction to Abnormal Psychology, 4 Cr.** Surveys the history, theories, etiology, assessment, diagnosis, and treatment of the spectrum of psychological disorders. Prerequisite: PSY 201A or 202A. Audit available.

## Reading | RD

**RD 115 Critical Reading, 4 Cr.** Improves critical reading skills and strategies, critical thinking, and vocabulary development, through the analysis of diverse college-level texts. Prerequisite: Placement into RD 115. Audit available..

## Renewable Energy Technology | RET

**RET 223 Power Generation, 5 Cr.** Introduces the principles of distributed and centralized power generation. Introduces motor/generator principles for asynchronous, synchronous, DFIG, and PM synchronous generators. Discusses photovoltaic module and utility interactive inverter specifications, array sizing, and orientation. Prepares individuals to perform solar resource assessment and solar site analysis using publicly available resources, instrumentation, and software simulation. Introduces power electronics circuits to perform rectification/inversion functions. Includes a 3-hour per week laboratory session. Audit available.

## Safety | SAF

**SAF 188 Industrial Safety and OSHA 10, 1 Cr.** Introduces SAF 188 Industrial Safety and OSHA 10, 1 Cr. Introduces industrial safety practices and covers industry OSHA-10 Construction Safety Training. Includes handling hazardous materials; safe use of flammable and combustible liquids; types of personal protective equipment (PPE); fall protection; crane, ladder and scaffolding safety; safe use of hand and power tools. An OSHA 10 card will be earned through the satisfactory, in-class completion of OSHA 10 construction safety and health requirements

## Sociology | SOC

**SOC 204Z Introduction to Sociology, 4 Cr.** Introduces the central concepts, theories, and methods that define the sociological approach to investigating the social forces that shape our lives. Topics may include social structure, culture, socialization, race, class, gender, sexuality, and inequality. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SOC 205Z Social Change and Institutions, 4 Cr.** Analyses social institutions, such as family, education, health care, the economy, and the state. Includes an examination of connections among institutions and their impact on patterns of inequality and individual outcomes. Examines the forces and dynamics behind social change, such as social movements, culture, economic forces, technologies, and the environment. Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SOC 206Z Social Problems, 4 Cr.** Applies the sociological perspective to the study of social problems, including their social construction, causes, and consequences. Explores the complexities surrounding their solutions, such as how solutions are socially constructed and policy proposals from sociologists and social movements. Topics may include poverty, discrimination, interpersonal violence,

**crime, addiction, ecological crises, war/global conflict, and health inequality.** Prerequisites: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SOC 213 Diversity in the United States, 4 Cr.** Explores social status differences within the context of social structure and culture. Explains how inequalities and privilege play out through social status and are reinforced through both culture and social structure. Includes statuses such as: race, gender, ethnicity, sexual orientation, and age. Includes concepts such as: privilege, social stratification, cultural bias, institutional inequality, and social construction. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SOC 218 Sociology of Gender, 4 Cr.** Focuses on how socialization is affected by gender. Includes topics in how gender is reflected in culture through values, norms, language, media, power, violence, various theoretical approaches, significant social institutions, social movements and issues. Recommended: SOC 204 or SOC 205 or instructor permission. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SOC 219 Religion & Culture: Social Dimensions, 4 Cr.** Explores the relationship between culture, social structure, and religion, through a comparative and cross-cultural examination of religious beliefs, practices, and organization. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SOC 231 Sociology of Health & Aging, 4 Cr.** Introduces age-related health issues in social and cultural context. Includes the social structuring of age, health and illness; demographics and patterns of health and illness of diverse older adults; issues related to medical and healthcare services; health and long-term care policy and programs. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Spanish | SPA

**SPA 101Z First-year Spanish I, 4 Cr.** Introduces the language, cultural practices, and perspectives of Spanish-speaking communities both locally and globally. Cultivates listening, speaking, reading, writing, and intercultural competence through conversation, cultural exploration, and other activities. Designed for beginners as the first of three in the sequence of First-year Spanish courses. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SPA 102Z First-year Spanish II, 4 Cr.** Builds on the foundational skills of Spanish 101Z including the language, cultural practices, and perspectives of Spanish-speaking communities both locally and globally. Continues to cultivate listening, speaking, reading, writing, and intercultural competence through conversation, cultural exploration, and other activities. Designed for those who have completed a term of college-level Spanish (or equivalent) as the second of three in the sequence of First-year Spanish courses (SPA 101Z, 102Z, and 103Z). Prerequisites: Completion of SPA 101 or instructor permission; placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SPA 103Z First-year Spanish III, 4 Cr.** Builds on foundational skills of Spanish 102Z including the language, cultural practices, and perspectives of Spanish-speaking

communities both locally and globally. Continues to cultivate communicative skills such as listening, speaking, reading, writing, and intercultural competence through conversation, cultural exploration, and other activities. Designed for those who have completed two terms of college-level Spanish (or equivalent) as the third of three in the sequence of First-year Spanish courses (SPA 101Z, 102Z, and 103Z). Students who successfully complete SPA 103Z are ready to take the sequence of Second-year Spanish courses (Intermediate). If you have experience speaking Spanish at home, in your community, or abroad, please consult with the instructor to make sure this class is the best for your level. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**SPA 201 Second Year Spanish—First Term, 4 Cr.** Continues the work of first year Spanish, reviewing, expanding, and perfecting pronunciation, structure, and vocabulary for the purpose of active communication. Includes practice in reading and writing. Prerequisite: SPA 103 or instructor permission. Audit available.

**SPA 202 Second Year Spanish—Second Term, 4 Cr.** Continues to expand structure and vocabulary for the purpose of active communication. Includes practice in reading and writing. Prerequisite: SPA 201 or instructor permission. Audit available.

**SPA 203 Second Year Spanish—Third Term, 4 Cr.** Continues to expand structure and vocabulary for the purpose of active communication. Includes practice in reading and writing. Prerequisite: SPA 202 or instructor permission. Audit available.

## Statistics | STAT

**STAT 243Q Corequisite for Elementary Statistics I, 1 Cr.** Focuses on the foundational skills, concepts, and communication needed to be successful in STAT 243Z Statistics I. Provides appropriate support in arithmetic skills, algebra skills, technology, and study skills in an interactive setting. Corequisite: STAT 243Z.

**STAT 243Z Elementary Statistics I, 4 Cr.** Focuses on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be used when appropriate. Prerequisites: MTH 65 or MTH 98 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**STAT 244 Statistics II, 5 Cr.** Investigates confidence interval estimation; tests of significance including z-tests, t-tests, ANOVA, and chi-square; and inference for linear regression. Applications are investigated from science, business, and social science perspectives. Graphing calculator with advanced statistical programs required and/or computer software. Prerequisite: MTH 243 or STAT 243Z. Audit available..

## Theater Arts | TA

**TA 101 Theater Appreciation, 4 Cr.** Explores live theatre productions, enriching the understanding and appreciation of the theatrical event. Includes reading, researching and evaluating a play to collaboratively create a unified design. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**TA 111 Fundamentals of Technical Theater, 4 Cr.** Covers basic principles and techniques of technical theater such as stage design, lighting, properties and stage management. Explores the role of the technician in the theater organization. Lecture and lab allows flexible scheduling. Audit available.

**TA 141 Fundamentals of Acting Techniques, 4 Cr.** Introduces basic theatrical techniques. Develops text analysis and performance skills. Develops the beginning level awareness of the physical and vocal skills required of a stage performer. Includes reading and analyzing plays to develop acting skills. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**TA 144 Improvisational Theatre, 3 Cr.** Utilizes improv games, exercises and energizing challenges, incorporating and requiring movement, imagination, enthusiasm and desire to take risks and explore. Focuses on the process and not the product – "working in the moment." Encourages student actors to rediscover the art of play in its rawest form by placing emphasis on the art of creating something from nothing. Working without a script, builds skills in ensemble, spontaneity, listening and observing, and organically creating characters. Audit available.

**TA 148 Movement for the Stage, 3 Cr.** Develops awareness and skills in movement as related to acting and communication. Focuses on body awareness, relaxation, energy, creating physical images and character, and communicating through body language. Explores expression through movement. Audit available.

**TA 181A Theater Rehearsal and Performance, 1 Cr.** Trains for performance in theater production in a small ensemble role, if cast. Incorporates first-hand experience in performance techniques. Audition required. Audit available.

**TA 181B Theater Rehearsal and Performance, 2 Cr.** Trains for performance in theater production in a featured role, if cast. Incorporates first-hand experience in performance techniques. Audition required. Audit available.

**TA 181C Theater Rehearsal and Performance, 3 Cr.** Trains for performance in theater production in a leading role, if cast. Incorporates first-hand experience in performance techniques. Audition required. Audit available.

**TA 181D Theater Rehearsal and Performance, 4 Cr.** Trains for performance in theater production in a large leading role, if cast. Incorporates first-hand experience in performance techniques. Audition required. Audit available.

**TA 274 Theatre History, 4 Cr.** Explores the nature of the theatrical event, its emergence and significance in the lives of the people of the past from ancient Greece to the present and investigates theatre as the evolution of a multidisciplinary artistic, cultural, social, economic, religious and political form. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

## Uncrewed Aircraft Systems | UAS

**UAS 101 Introduction to Uncrewed Aircraft Systems, 5 Cr.** Introduces the fundamentals of Uncrewed Aircraft Systems (UAS), including their history and developing role in modern aviation history. Includes UAS applications, UAS systems, human factors, UAS design, power systems, communications systems, FAA regulations, public policies and the future potential of the UAS. Covers FAA exam requirements. Prerequisites: placement into IRW 115 or WR 115, MTH 65 or MTH 98. Audit available.

**UAS 102 sUAS Aerial Photogrammetry, 4 Cr.** Introduces the fundamentals of photogrammetry with sUAS (drones), including concepts, real-world examples, navigation, best practices, data acquisition, mission assessment, data processing and map delivery. Recommended: COMM 111. Prerequisite: UAS 101. Audit available.

**UAS 200 sUAS Professional Remote Pilot I, 5 Cr.** Extends knowledge and skills learned in UAS 101, preparing students for professional applications of UAS by providing an understanding of UAS Systems, including: command and control, communication, payload, launch and recovery, and basic maintenance considerations. Covers human factors, crew resource management, aviation decision making cybersecurity, risk management and ethics. Provides an in-depth study of Notices to Airmen (NOTAMS), mission and flight planning and low altitude authorization and notification (LAANC). Introduces basic National Institute of Standards and Training (NIST) flight training utilizing simulator technology. Integrates stress management strategies/techniques as part of in the simulator training as well as throughout. Includes a one-week, on-site NIST training and flight exam. Prerequisite: FAA Remote Pilot License.

**UAS 210 UAS Management, 4 Cr.** Provides an introduction to managing an enterprise (an organization with an aviation department) sUAS Operation from the Business perspective. Explores operational requirements of the sUAS, concepts of operation, data processing software, current rules and regulations, governing owning and operating a sUAS program in the United States, and concerns surrounding sUAS safety, security and privacy issues. Provides skills specifically designed for the adult professional. Prerequisites: placement into IRW 115 or WR 115, MTH 65 or MTH 98. Audit available.

## Web Technologies | WT

**WT 225 Database Theory and MySQL, 4 Cr.** Develops an understanding of relational database concepts and terminology, database design concepts and Structured Query Language (SQL). Introduces the use of languages and technology used to integrate data within a web site. Prerequisite: WT 213. Audit available.

**WT 235 Graphic Design, 4 Cr.** Provides an overview of practical and effective graphic design processes. Develops skills in digital illustration, page layout, image-scanning, image manipulation, digital printing processes and photography. Prerequisite: CAS 230. Audit available.

## Writing | WR

**WR 102 Introduction to Creative Writing, 4 Cr Introduces the craft and practice of creative writing.** Engages with both contemporary and classic authors within the primary genres of poetry, fiction, and creative nonfiction. May also include exploration of other genres such as drama, screenwriting, digital storytelling, film, and performance genres. Develops use of craft elements discussed in class to compose original work in at least two genres. Covers revision practices for voice and purpose. Audit Available.

**WR 115 Introduction to Expository Writing, 4 Cr.** Introduces college level skills in reading critically, exploring ideas, and writing. Covers composing essays which support a thesis through structure appropriate to both thesis and reader, and covers revision for clarity and correctness. Prerequisite: Placement into WR 115. Audit available.

**WR 115Q Corequisite for Introduction to Expository Writing, 1 Cr.** Focuses on the foundational skills, concepts, and communication needed to be successful in Introduction to Expository Writing. Provides appropriate support in writing, reading, and study skills in an interactive setting. Co-requisite: WR 115.

**WR 121Q Corequisite for Composition I, 1 Cr.** Focuses on the foundational skills, concepts, and communication needed to be successful in Composition I. Provides appropriate support in writing, critical reading, and study skills in an interactive setting. Co-requisite: WR 121Z.

**WR 121Z Composition I, 4 Cr.** Engages students in the study and practice of critical thinking, reading, and writing. Focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Provides the opportunity to apply key rhetorical concepts flexibly and collaboratively throughout the writing and inquiry processes. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

**WR 122Z Composition II, 4 Cr.** Builds on concepts and processes emphasized in WR 121Z, engaging with inquiry, research, and argumentation in support of students' development as writers. Focuses on composing and revising in research-based genres through the intentional use of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experience; use this to frame and pursue their own research questions; and integrate material purposefully into their own compositions. Prerequisite: WR 121 or WR 121Z. Audit available.

**WR 123 Research Writing, 4 Cr.** Continues writing sequence with emphasis on argumentation and extensive research. Develops skills in analysis and synthesis of varied responses to issues and/or course themes. Provides advanced instruction and practice in information literacy skills through use of library catalogs, databases, and other forms of research. Prerequisite: WR 121 or WR 121Z. Audit available.

**WR 227Z Technical Writing, 4 Cr.** Introduces techniques for producing instructive, informative, and persuasive technical/professional documents aimed at well-defined and achievable outcomes. Focuses on presenting information using rhetorically appropriate style, design, vocabulary, structure, and visuals. Students can expect to gather, read, and analyze information and to learn a variety of strategies for producing accessible, usable, reader-centered deliverable documents that are clear, concise, and ethical. Prerequisites: WR 121 or WR 121Z. Audit available.

**WR 240 Creative Writing - Nonfiction, 4 Cr.** Focuses on writing short creative nonfiction for class discussion and analysis in a workshop setting. Includes study and writing of personal narrative, memoir, nature and travel writing, and literary journalism. Explores the works of established writers for forms, techniques and styles as a context for the production of creative nonfiction for class discussion and analysis. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**WR 241 Creative Writing - Fiction, 4 Cr.** Focuses on writing short fiction for class discussion and analysis in a workshop setting. Explores the techniques, styles, and structures of the writings of established authors, as well as the creative writing process from development of an idea to revision of a manuscript. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**WR 242 Creative Writing - Poetry, 4 Cr.** Focuses on the writing and submitting of poetry for class discussion and analysis in a workshop setting. Introduces the techniques, structures, and styles of established poets. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**WR 243 Creative Writing - Script Writing, 4 Cr.** Focuses on writing and submitting theatre and film scripts for class discussion and analysis. Studies established writers for techniques, structures, and styles. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**WR 244 Advanced Creative Writing - Fiction, 4 Cr.** Extends the introduction to the craft of fiction started in WR 241. Explores the creative writing process from development of an idea to revision of a manuscript. Introduces the techniques, structures, and styles of established writers. Prerequisite: WR 241. Audit available.

**WR 245 Advanced Creative Writing - Poetry, 4 Cr.** Extends the introduction to the craft of poetry in WR 242. Includes additional practice in writing poetry and critiquing work of peers in a workshop setting. Prerequisite: WR 242. Audit available.

**WR 246 Advanced Creative Writing - Editing and Publishing, 4 Cr.** Emphasizes development of craft while introducing basics of editing others' manuscripts and preparing them for publication in a variety of forms, including an annual student literary magazine. Prerequisites: (WR 241, 242 or 243) and (WR 244 or 245) or instructor permission. Audit available.

**WR 247 Advanced Creative Writing - Script Writing, 4 Cr.** Focuses on writing and submitting both drama and screen scripts for class discussion and analysis, as introduced in WR 243. Continues the study of established writers for techniques, structures, and styles. Prerequisite: WR 243 or instructor permission. Audit available.

**WR 248 Advanced Creative Writing - Nonfiction, 4 Cr.** Extends the introduction of creative nonfiction and the writing of it using creative techniques. Includes study and writing of personal narrative, memoir, nature and travel writing, satire and literary journalism. Explores the works of established writers for forms, techniques and styles as a context for the production of creative nonfiction for class discussion and analysis. Prerequisite: WR 240. Audit available.

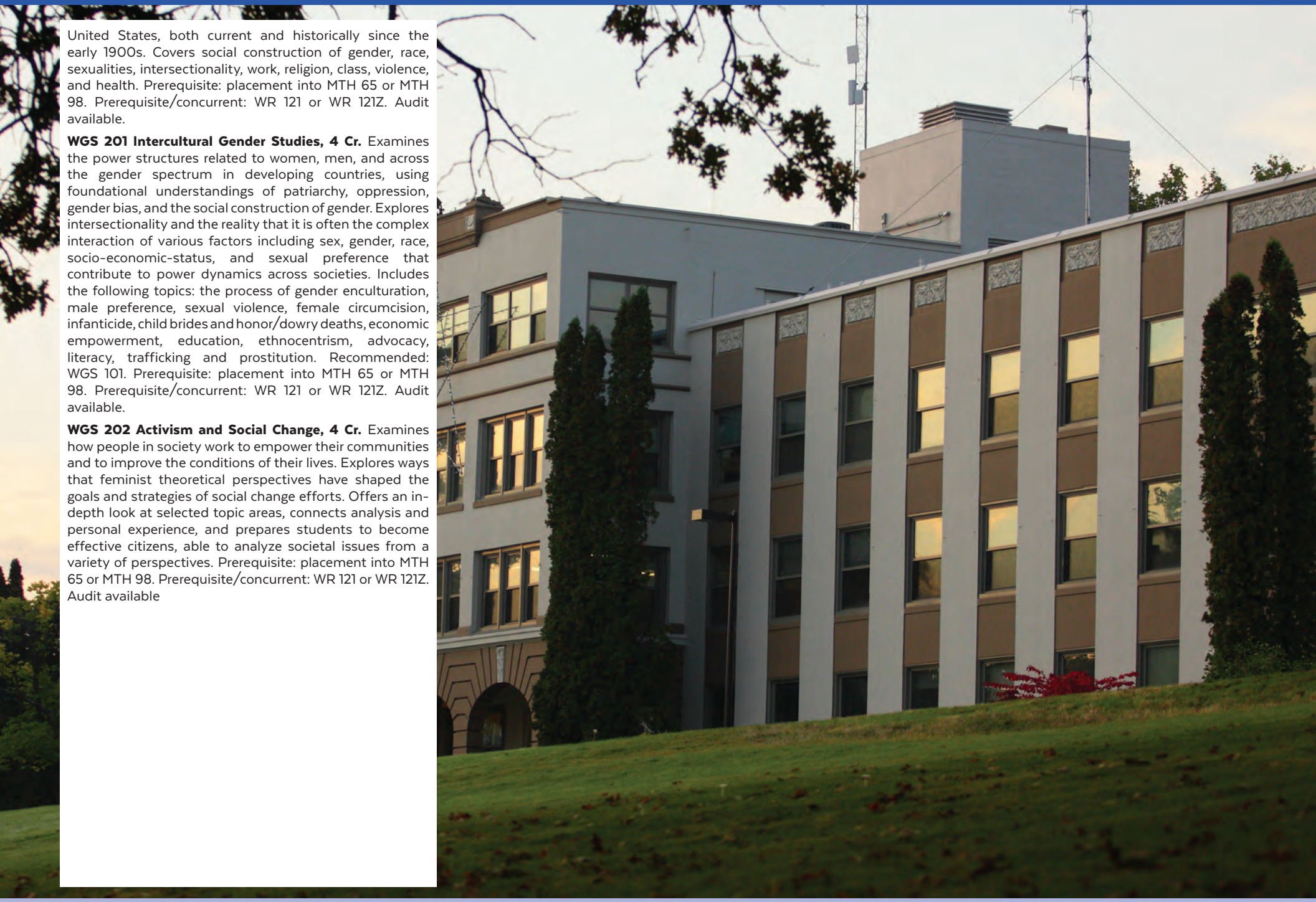
## Women's and Gender Studies | WGS

**WGS 101 Women's and Gender Studies, 4 Cr.** Examines the diverse gender-related experiences, status, and contributions of people across the gender spectrum in the

United States, both current and historically since the early 1900s. Covers social construction of gender, race, sexualities, intersectionality, work, religion, class, violence, and health. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**WGS 201 Intercultural Gender Studies, 4 Cr.** Examines the power structures related to women, men, and across the gender spectrum in developing countries, using foundational understandings of patriarchy, oppression, gender bias, and the social construction of gender. Explores intersectionality and the reality that it is often the complex interaction of various factors including sex, gender, race, socio-economic-status, and sexual preference that contribute to power dynamics across societies. Includes the following topics: the process of gender enculturation, male preference, sexual violence, female circumcision, infanticide, child brides and honor/dowry deaths, economic empowerment, education, ethnocentrism, advocacy, literacy, trafficking and prostitution. Recommended: WGS 101. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

**WGS 202 Activism and Social Change, 4 Cr.** Examines how people in society work to empower their communities and to improve the conditions of their lives. Explores ways that feminist theoretical perspectives have shaped the goals and strategies of social change efforts. Offers an in-depth look at selected topic areas, connects analysis and personal experience, and prepares students to become effective citizens, able to analyze societal issues from a variety of perspectives. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available



COLUMBIA GORGE
COMMUNITY COLLEGE

# STUDENT INFORMATION

This section outlines the process for becoming a student, services for students, and for the community. Topics include tuition, fees, enrollment expectations, admissions policies, campus services, advising, financial aid, bookstore, child care, community education, course delivery methods, and student policies.

# Become a CGCC student!

To contact Student Services: (541) 506-6011, option 2 or email studentservices@cgcc.edu

## 1 Admissions

**Apply for admission**
***cgcc.edu/apply***



This process will create your MyCGCC login information. Log into MyCGCC to access student email and other features at www.cgcc.edu/mycgcc.

## 2 Advising

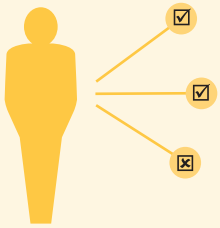
**Make an appointment:**
***cgcc.edu/advising***



An Advisor will answer questions, use multiple measures or transcripts to determine course placements, and set up an educational plan. New students must meet with an advisor to be cleared to register.

## 3 Orientation

**Go to *cgcc.edu/nso***



New Student Orientation is an opportunity for you to learn how to navigate campus.

## 4 Determine Ways to Pay

**Go to *cgcc.edu/ways2pay***

- ☐ Pay with financial aid - file Free Application for Federal Student Aid (FAFSA) or Oregon Student Aid Application (ORSAA) and complete all steps or
- ☐ Pay in full or work with the Business Office to set up a payment plan

Questions? Contact Student Services at studentservices@cgcc.edu

## 5 Register & Attend

**my.cgcc.edu/cmcportal/**



Students must attend in-person classes or log in to online classes to avoid the possibility of being dropped as a “no show.” See the full No Show policy on page 117.

# Student Information

This section outlines the process for becoming a student, services for students, and for the community. Topics include tuition, fees, enrollment expectations, admissions policies, campus services, advising, financial aid, bookstore, child care, community education, course delivery methods, and student policies.

# Admissions & Enrollment

*cgcc.edu/admissions*

CGCC adheres to the following standards for admission and enrollment for credit classes:

- Students 18 or more years of age who can benefit from the variety of instructional programs offered at CGCC are eligible to apply without restriction. Students under 18 and those applying to special or limited-entry programs, or for Community-Education/non-credit courses must follow the additional rules set forth by those programs and outlined in this section and/or any related special application materials.
- There is no fee for admission to the college. Some limited-entry programs may have an application fee.
- A high school diploma or GED® is encouraged, but not required for admission, though it may be required for some financial aid opportunities, or for limited-entry and other special programs.
- New, degree-seeking students enrolling in credit courses for the first time must complete the admissions process. Admissions are completed online at cgcc.edu/apply.
- All credit students must meet with an academic advisor prior to registration to obtain registration permission, known as "Cleared to Register."
- New students seeking a certificate or degree may need to complete a placement assessment or provide a transcript from a previous college.
- Students performing below requisite skill levels in areas such as reading, writing, math and computer literacy will be advised to enroll in courses to upgrade their skills.
- Students must meet prerequisites for courses and programs, as required.
- Students who are seeking accommodations to assist with learning may call Student Services to schedule an appointment with the Student Support Services Coordinator prior to the start of their first term, or at any time thereafter.

## Age Restrictions and Other Considerations

Students under 18 and those applying to programs such as Pre-College, ESOL, GED®, and limited-entry programs have additional requirements, as follows.

### Students under 18

Students 16-17 years of age who have satisfactorily completed a secondary school curriculum or who hold a GED® are eligible for unrestricted admission. Students of this age who have not satisfactorily completed a secondary school curriculum or who hold a GED® are eligible for admission if they provide a signed Release from Compulsory Attendance from the Educational Service District in which they reside.

Students under 16 years of age must file an Under-16 Admissions form, provide a signed Release from Compulsory Attendance from the Educational Service District or proof of graduation from their resident high school, and submit a current secondary school transcript unless they are admitted as part of an articulated agreement (e.g. Running Start, Expanded Options, College Now, Early College). After review of the Under 16 Admissions form and other documentation as required, students under the age of 16 may be admitted if:

- participation will not likely create a health or safety risk for any person or be in violation of federal or state statutes or regulations;
- the student has the ability to benefit from college-level instruction;
- another, more age-appropriate instructional resource is not available; and
- the student demonstrates the ability to perform academically at the college level

Additionally, students under 16 must:

- Score into a minimum of Writing 121Z and Math 95 on the college placement assessment.
- Schedule an interview with the Vice President of Student Services or designee and a parent or legal guardian at the time of application.
- Attend a required meeting between the student, their parent or guardian, and an academic advisor. At this meeting, an appropriate schedule of classes will be arranged to align with the student's desired educational goals. The advisor will enable the student's ability to register for classes.

### Pre-College, GED® and ESOL

Students aged 18 and over are placed into Pre-College classes via Multiple Measures, are admitted to the college in a manner identical to regular credit students, and follow the same rules and restrictions.

Students ages 18 and over are eligible to enter GED® preparation classes without restriction. They sign up for the orientation by contacting the Pre-College department.

Students who are 16 or 17 years of age who wish to pursue a GED® need a Release from Compulsory Attendance form signed by the Educational School District in which they reside.

Students under 16 years of age are not eligible for GED®.

The English for Speakers of Other Languages (ESOL) program is open to persons 18 years of age or older.

### Limited Entry Programs

Some instructional programs have special admissions standards and may be subject to strict application deadlines, procedures and related fees. The application and materials related to each limited-entry program will list specific entry requirements. Additionally, special admissions requirements are listed in this catalog with other information for the program. In general, the following applies to limited-entry programs:

- Applicants will be screened and a list of candidates to be accepted into the specific program plus those accepted as alternates (in ranked order) will be generated.
- Students accepted, students accepted as alternates, and students not accepted by the

program will be notified by letter.

- Students who request further information concerning their non-acceptance to a program may meet with the Director of Advising.

Several programs at CGCC require students to complete practical experience of field training at a medical or other facility. Some programs require proof of immunizations and a drug screen before coursework can begin. Contact an academic advisor for more information.

**Admissions and Enrollment in Community Education (non-credit) Classes**

Separate admission to the college is not required for most CGCC community education (non-credit) classes.

The enrollment requirements for community education classes are set by the instructor, and may vary depending on the scope and purpose of the class. Exceptions to the requirements are made on a case-by-case basis by the instructor, in conjunction with college policy and safety guidelines set by any and all appropriate agencies.

Additionally:

- Details on the requirements for each course, including fees, class dates, and times are published at cgcc.coursestorm.com.
- Payment for community education classes is required at the time of registration.
- In the event of a cancellation by the instructor or the college, the student will be refunded.
- An attempt will be made to contact the student if a class is canceled, or if the time, date, or location of the class changes, but the college holds no liability if the student cannot be contacted and the college has acted in good faith.

# Registration

## Credit Classes

Credit class registration is done online through the student's MyCGCC account. Registration information for classes, including the day, time, and location of each, is published online at cgcc.edu/class-schedule. Prerequisites and course descriptions can be found in this catalog and on CGCC's website at cgcc.deu/ccogs. Students' ability to register for credit classes is not activated until they meet with an academic advisor. For assistance, contact Student Services.

## Community Education Classes (Non-Credit)

There are several types of community education classes available through CGCC. For more information, see cgcc.edu/CE

- Community Education class registration is available through CourseStorm at cgcc.coursestorm.com/
- Small Business Development Center class registration is available at oregonsbdc.org/centers/columbia-Gorge-SBDC/.
- Ed2Go course registration is available at ed2go.com/cgccoregon/
- VESi Courses for K-12 Educators registration is available by calling Student Services. More information on VESi courses can be found at virtualeduc.com/cgcc.

## Priority Registration

CGCC offers priority registration based on the number of credits successfully completed at CGCC. It does not include courses attempted or graded F, FA, W, I, AU or NP, transfer credits or classes currently in progress.

In compliance with House Bill 2565, CGCC offers priority registration to Veterans, active or reserve service members, and dependents receiving VA education benefits, in advance of their official registration period each term.

## Adding/Dropping a Class and Late Registration

Students may make changes in their course schedule through the end of the first week of the term. The changes should be approved by an advisor. Course additions made after the first week must have instructor approval and may not be available for all courses. The approval form must be submitted to Student Services within one week of approval. Students who attend or participate in a course without completing official registration by the published deadline are not considered enrolled and will not receive retroactive registration or transcripted credit after the term has ended.

Late registration or schedule changes may affect a student's financial aid eligibility. Students who add classes after the published add/drop deadline are not eligible to receive additional financial aid for the courses which were added late. Students should contact the Financial Aid Office with questions about how enrollment changes may affect their aid. Permission to register is not required for classes that start after the first day of the term and have not yet begun, unless otherwise noted in the class schedule.

Prior to the published drop deadlines, students can drop any registered class through MyCGCC. The student's tuition charges will be removed, and the course or courses shall be removed from the student record.

Students who fail to drop within the refund period will be responsible for the charges. The drop deadline for regular full-term classes is the first Friday of the term. The drop deadline for credit classes is located online.

If extenuating circumstances have prevented a student from adhering to a deadline, the student may appeal to have their course dropped or charges be reversed. More information on this process can be obtained by contacting Student Services.

## Attendance

Students are expected to attend all classes in which they are enrolled. Repeated absences will affect a student's grade. Students who stop attending and fail to drop or withdraw from a class by the published deadlines may earn a grade of F, FA, or NP and will be responsible for the associated tuition and fees. Faculty must record the last date attended for students who earn an F, FA, I, or NP.

## Delivery Methods

Classes may be delivered through a variety of methods, including face-to-face, online, hybrid, or Zoom.

Face-to-face classes are conducted on campus, or at a designated off-campus location, as specified in the course listing in the Class Schedule.

Online and hybrid classes are conducted via the Internet, using a learning management system called Moodle. These classes are accessed through MyCGCC. Only students who are registered for the class can access course material. Students can access these courses from any computer that has a connection to the internet. As with a traditional on-campus class, your coursework (assignments, tests, forum discussions) will have due dates. Online classes are entirely online. Hybrid classes combine face-to-face classes with online content.

Some other classes may be offered online through Zoom. Zoom is a free, downloadable tool that allows students and instructors to communicate in a video-conference format. Zoom classes may include additional resources offered via Moodle or other online methods.

Students register for remote learning classes using the MyCGCC system online, the same as any other credit class. All students, even those taking online or hybrid classes only, must meet with an advisor to be cleared to register.

All credit remote learning courses are transcripted exactly as their traditional on-ground counterparts. Any grade received in a remote learning course taken for credit will appear on the student's official transcript. There is no distinction made on an official transcript regarding the course content delivery method.

Special accommodations can be made for qualified individuals taking remote learning courses. Please contact the Student Support Services Coordinator at (541) 506-6046.

Students must log in within the **FIRST THREE DAYS** of the term and complete the required activity by Wednesday of the first week. Instructors may "no show" a student who does not attend or log in, but they are not required to. **Students should not assume that not logging in will mean they will be automatically dropped from an online class.**

## Wait Lists

If a class is full, students have the option to be waitlisted. If a space becomes available in the class, waitlisted students will be accepted in the order they registered. This process is automated; if a student is moved into the class, a notification of schedule changes will be sent to the student email account. Students who register for a waitlist class are responsible for charges for courses they are automatically moved into, regardless of whether or not they attend class.

Students on the waitlist are encouraged to attend the first day of class or contacting the instructor.

## No-Shows

Faculty may "no-show" registered students from a class if they do not attend class during the first week of the term, unless prior arrangements have been made. This can be done through the first Thursday of the term, though instructors have the option to no-show students as early as the first class. For online classes, the student must log in and complete the required activity by the first Wednesday of the term. The specific required activity varies by course and may include, but are not limited to, a discussion board post or an assignment. To avoid being dropped, students should attend all classes or make prior arrangements with their instructors.

## Withdrawal

A student may withdraw from a class between the second and eighth week of a traditional term-length class*. Withdrawing from a class after the first week will result in a "W" on the transcript. Students must withdraw before the end of the eighth week, or a grade will be assigned by the instructor.

A student's financial aid may be impacted when they withdraw.

Students will be responsible for the associated tuition and fees related to the withdrawn course.

* Drop and withdrawal dates vary for classes fewer than eight weeks in length. Contact Student Services for specific dates for those classes.

## Canceled Classes

The college reserves the right to cancel a class that does not meet the minimum enrollment established by the college. Charges for canceled classes will be automatically reversed. Students will be notified by school email about course changes or cancellations. An attempt will also be made to notify the student via phone.

## Course Loads

Students who enroll in 12 or more credits are considered full-time for financial aid purposes. For academic purposes, a full-time course load is 15 credits per term. To complete an Associate Degree program in two years, students should plan on registering for 15-16 credits per term.

# Distance Education, State Authorization, & Professional Licensure

## State Authorization

Cgcc.edu/state-authorization-and-out-of-state-complaint-resolution.

Columbia Gorge Community College is an approved member of the National Council for State Authorization Reciprocity Agreements (NC-SARA). As a member of NC-SARA, CGCC has agreed to abide by national standards for the interstate offering of post-secondary distance education courses and programs.

As an NC-SARA member institution, CGCC is authorized to offer courses and programs within 49 of the 50 U.S. States, the District of Columbia, and the U.S. Territories via online, distance and/or out-of-state learning placements.

## Out-of-State Complaint Resolution

CGCC strives to resolve all student complaints in a fair and expedient manner. CGCC distance education students wishing to file a formal complaint must first seek resolution through CGCC's internal General Complaint Procedures for Students: Contact Student Services for more information cgcc.edu/contact-student-services.

If a student's complaint cannot be resolved internally at CGCC, and if the student resides in a SARA member state, the student may also file a complaint through the Oregon Higher Education Coordinating Commission at complaints@hecc.oregon.gov or access the HECC's Complaints web page at https://www.oregon.gov/highered/about/Pages/complaints.aspx

Distance students residing outside of Oregon may file a formal complaint with their home state authorizing agency after exhausting internal avenues described above.

## Prefessional Licensure

cgcc.edu/professional-licensure-disclosures

In compliance with the U.S. Department of Education and the Oregon Higher Education Coordinating Commission for participation in NC-SARA, CGCC provides information pertaining to CGCC programs that are intended to lead to professional licensure. For information regarding whether CGCC programs meet the educational requirements for pursuing licensure in other states, check program listings at cgcc.edu/professional-licensure-disclosures. Includes individual state licensing requirements and contact information for each state's licensing agency.

# Grading

## Grade Definitions

**A—Superior**

- Honor grade indicating excellence.
- Earned as a result of a combination of some or all of the following as outlined by the instructor in the syllabus: superior examination scores, consistently accurate and prompt completion of assignments, ability to deal resourcefully with abstract ideas, superior mastery of pertinent skills, and excellent attendance.
- Probable success in a field relating to the subject or probable continued success in sequential courses.

**B—Above average**

- Honor grade indicating competence.
- Earned as a result of a combination of some or all of the following as outlined by the instructor in the syllabus: high examination scores, accurate and prompt completion of assignments, ability to deal well with abstract ideas, commendable mastery of pertinent skills, and excellent attendance.
- Probable continued success in sequential courses.

**C—Average**

- Standard college grade that indicates successful performance earned as a result of a combination of some or all of the following as outlined by the instructor in the syllabus: satisfactory examination scores, generally accurate and prompt completion of assignments, ability to deal with abstract ideas, fair mastery of pertinent skills, and regular attendance.
- Sufficient evidence of ability to warrant entering sequential courses.

**D—Substandard but receiving credit**

- Substandard grade indicating the student has met only minimum requirements as outlined by the instructor in the syllabus.
- Earned as a result of some or all of the following: low examination scores, generally inaccurate, incomplete or late assignments, inadequate grasp of abstract ideas, barely acceptable mastery of pertinent skills, irregular attendance, insufficient evidence of ability to be successful in sequential courses.
- Does not satisfy requirements for entry into courses where prerequisites are specified.

**F—Failure**

- Non-passing grade indicating failure to meet minimum requirements as defined by the instructor in the syllabus earned as a result of some or all of the following: non-passing examination scores, inaccurate, incomplete or late assignments, failure to cope with abstract ideas, inadequate mastery of pertinent skills, and repeated absence from class.
- Faculty must record the last date attended for students that earn an F

**FA—Failure To Attend**

- Non-passing grade indicating that a student stopped attending or academically participating after initial attendance and did not officially withdraw.
- Faculty must record the Last Date of Attendance (LDA) or, for online classes, the date of the last academically related activity (e.g., assignment submission, graded discussion, or exam).
- The FA grade impacts GPA the same as an F and is used to meet federal financial aid reporting requirements.

**P—Pass**

- A grade of P represents satisfactory achievement which would have been graded C or better under the traditional grading system.
- The P grade is disregarded in the computation of the grade point average.
- This grade is available only when a student has selected the pass/no pass grade system option during the first 80% of a course's term.

**NP—No Pass**

- A grade of NP represents unsatisfactory achievement which would have been graded D or lower under the traditional grading system.
- The NP grade is disregarded in the computation of the grade point average.
- Faculty must record the last date attended for students that earn an NP.
- This grade is available only when a student has

selected the pass/no pass grade system option during the first 80% of a course's term.

## Mark Definitions

**SC—Satisfactory Completion**

- The mark used when a student satisfactorily completes continuing education units (CEUs).

**NSC—Non Satisfactory Completion**

- The mark used when a student does not satisfactorily complete continuing education units (CEUs).

**I—Incomplete**

- At the time final course grades are recorded, the instructor may, with the consent of the student, record an "I" mark and grant additional time for the completion of a minor but essential requirement for the student who is otherwise making satisfactory progress.
- This shall only be done by signed written agreement with a requesting student and a copy shall be left on file with Student Services.
- Such written agreements shall describe the missing requirement, the basis for the requirements evaluation, the effect on the final grade computation and the completion date (within one year) for that requirement.
- If no replacement grade for an "I" mark shall have been provided by the course Instructor within one calendar year, the "I" mark shall automatically be changed to an "F" or "NP" depending on the grade option (chosen by the student) in effect at the time the "I" mark was originally recorded.
- This mark does not entitle the student to repeat a course without paying tuition.
- It may be impossible to receive this mark in some courses where, for example, equipment usage is required.

**NS—No Show**

- This mark is assigned by faculty before the published drop deadlines to indicate that a student has never attended class.
  - Those students will be unenrolled by the Registrar.
- If faculty do not assign an NS mark to students who never attend class and if those students do not drop or withdraw before the published deadlines, an FA grade will be assigned.

**W—Withdrawal**

- This mark is used when a student has completed the official withdrawal process after the published drop deadline and before the published withdrawal deadline

**AU—Audit**

- The AU mark, when allowed, permits a student to attend a course without receiving a grade or credit for the course even though tuition and fees must be paid.
- To be assigned an AU mark, a student must obtain permission from the course's instructor and notify Student Services by the end of the first week of the term.
- Does not satisfy requirements for entry into courses where prerequisites are specified.

**R—Repeated**

- This is a system mark used to indicate a repeated course. See "Repeated Courses."

## Requesting an Audit or Pass/No Pass Grading Option

### Audit Grade Request

To request to audit a course, a student must submit a completed Grade Mode Form to Student Services by noon on Friday of the first week of the term. Students must have the instructor's permission. Forms are located online and in Student Services.

After the end of the first week of the term, students will no longer be able to change their grading option to/from an audit. There are no exceptions to this deadline and once the grade request has been submitted, the grade option cannot be changed.

### Pass/No Pass Grade Request

To request the Pass/No Pass grade option, a student must submit a completed Grade Mode form to Student Services by the appropriate deadline. Students must have the instructor's permission. Not all classes have this option. Submit the completed form to Student Services by the appropriate deadline:

- 11 week classes: Noon on Friday of the eighth week of the term
- 8 week classes: Noon on Friday of the sixth week of the term
- 1 - 7 week classes: Prior to the second class meeting

After the deadline has passed, students will no longer be able to change their grading option between letter grades (A-F) and pass/no pass (P/NP). There are no exceptions to this deadline and once the grade request has been submitted, the grade option cannot be changed.

For more information, contact Student Services.

## Grading Miscellany

### Repeated Courses

All grades earned will appear on the transcript. The highest grade for a course will be calculated into the GPA and the total credit hours earned; all other grades earned for that course will be excluded from the GPA. Financial aid will only pay for a student to repeat a course in selected circumstances. Check with the financial aid office for details.

### Computing Grade Point Averages

Quality points are numerical values assigned to represent each letter grade for the purposes of calculating a GPA. Four points are assigned for each credit of A, three points for each credit of B, two points for each credit of C, one point for each credit of D, and zero points for each credit of F.

- The grade points earned for a completed course are calculated by multiplying the number of credits the course is worth by the quality point value associated with the letter grade earned for that course by the student.

- The grade point average (GPA) is calculated by dividing the total grade points by the total credits.
- Grades P, NP, SC, NSC, I, W, FA, and AU are not included in the computation of the GPA.
- GPA is computed on CGCC grades only.

### Grade Changes

If a student believes that there has been a mistake in a grade, the instructor should be contacted within 14 calendar days of the final course grades being posted. If a grade dispute cannot be resolved with the instructor, the student has (within 14 calendar days following the meeting with the instructor) recourse through the student grade appeal procedure. More details on this process may be found in the CGCC Student Handbook located on the CGCC website. Note that requests for grade changes after one year following receipt of a grade will not be considered unless the instructor who issued the grade agrees to such consideration.

## Satisfactory Academic Progress

### Levels of Academic Standing

There are three levels: "Good Standing," "Academic Warning," and "Academic Probation."

### Good Standing

To be considered to be in good academic standing, a certificate or degree seeking student must:

- Earn a Grade Point Average (GPA) of 2.0 or higher and
- Successfully pass 2/3 (67%) of completed credits each term.

### Academic Warning

When a certificate or degree seeking student falls below one or more of the requirements for "good standing" for one term, the student is placed on academic warning. At this stage, the student will be sent a letter that strongly encourages her/him to:

- Meet with an academic advisor in order to better plan term goals and course schedule
- Connect with appropriate campus resources
- There is no action required for the student at this time

### Academic Probation

When a certificate or degree-seeking student fails to make Satisfactory Academic Progress for two consecutive terms, the student is placed on academic probation and a hold will be placed on the student's ability to register. The student is sent a letter that outlines the following requirements that must be met in order for the registration hold to be lifted. The student must:

- Meet with an academic advisor by the first Thursday of the term
- Develop a collaborative success plan for the upcoming term
- Schedule and attend a midterm advising appointment by week 6
  - Students on an approved educational plan may be asked to participate in a midterm or periodic progress review to assess academic performance and engagement.

After the student meets with an academic advisor and develops an educational plan, the student's ability to register is reestablished. Eligibility to register for the following term will be determined based on the student's compliance with the requirements of the educational plan and continued progress toward Satisfactory Academic Progress.

### Academic Suspension

When a certificate or degree-seeking student fails to make Satisfactory Academic Progress for three consecutive terms, the student will be notified of suspension from the institution for one term.

- Ability to register will be revoked for all credit classes for that term
- A notation of suspension will be placed on the student's transcript
- After one term passes, the student may re-enroll and start an academic record in good standing, as if no academic warnings existed. The notation of suspension on the student's transcript, however, will remain the same.

### Returning from Suspension

Prior to returning to CGCC after a term of suspension, students are required to:

- Meet with an academic advisor
- Create an academic plan that includes appropriate student success strategies
- Contact the Financial Aid Office to determine if you need to submit a SAP Appeal.

## Honor Roll

Columbia Gorge Community College shall recognize academic excellence based on Grade Point Average (GPA*). Honors shall be awarded at the end of each term and upon completion of a degree or certificate.

Term Honors are awarded at the end of each term. To be eligible, a student must have earned at least six credits graded A - F in the term. The following Term Honors shall be awarded:

- Honor's List: 3.30 - 3.49 GPA
- Vice President's List: 3.50 - 3.74 GPA
- President's List: 3.75 - 4.00 GPA

Highest Honors are awarded upon completion of a degree or certificate to each student who has earned a cumulative GPA of 3.75 or higher. All transcripted degrees and certificates are eligible for Highest Honors.

*GPA is computed on Columbia Gorge Community College grades only.

## Transcripts

*cgcc.edu/transcripts*

A transcript is a copy of a student's permanent academic record at CGCC including all courses taken, all grades received, and all degrees and certificates conferred to a student.* To be considered official, most colleges, universities, and employers require transcripts to be submitted in the original sealed envelope or via an electronic transfer system compatible with both schools.

*CGCC received independent accreditation in fall 2013. All coursework and degree completion was conferred under the accreditation of Portland Community College, and thereafter moved to transfer credit on the CGCC student record. Due to our transfer credit standard, the GPA and total credits earned are not calculated on the student record. Any degrees awarded prior to fall 2013 will be notated on the PCC transcript.

**Obtaining Official CGCC Transcripts**

For information on requesting an official CGCC transcript. visit cgcc.edu/transcripts.

For a copy of your unofficial transcript, please contact Student Services.

# Graduation

*cgcc.edu/graduation*

## Receiving a Degree

All students graduating from CGCC must complete the graduation requirements for the program they are pursuing.

The college will grant two-year degrees, one-year certificates, and less-than-one-year certificates upon completion of requirements for the student's declared program of study, taking into consideration credits earned at other institutions of higher education, regardless of whether the student applied to receive the degree or certificate. Multiple credentials may be institutionally awarded within a student's program of study. To earn additional degrees and certificates a student can submit a graduation petition to Student Services for evaluation.

## Commencement Ceremony

A formal commencement ceremony is held at the end of spring term. All students in the current academic year (fall, winter, spring, and subsequent summer) are eligible to participate. To participate in the ceremony, students are required to RSVP. Information regarding ceremony details will be distributed in early spring to CGCC student email accounts, and published on the website. Graduating students will receive diplomas by mail three to four weeks after the completion of their degree or certificate to the address of record for the student.

# Credit Transfer

CGCC accepts college-level credits earned at colleges and universities that are accredited by regional accrediting associations.

Courses must be at 100 or 200 level. 300 level coursework may be accepted if equivalent to the required prerequisites for a program.

Grades for the courses must be a "C-" or higher. "P" grades are only transferable if the transferring institution awarded that grade for a "C-" or higher grade.

Transfer GPAs are not included in the overall GPA on CGCC transcripts.

Courses will be considered equivalent if they have credit/contact hours, curriculum and outcomes that are equivalent to courses offered at CGCC, are graded on a similar basis, or are otherwise deemed appropriate substitutions for CGCC courses.

All records submitted, filed and accumulated in the Registrar's Office become the property of the college.

# Credit Substitution

Students have the right to petition for the substitution of course work to meet degree and/or certificate requirements. No student may graduate with fewer than the required number of credits in a degree or certificate. Credit can be given for a substitution of additional coursework, but the number of credits cannot be waived.

Requests for substitutions of course work in the ASOT, AAOT, AS and AGS degrees require approvals by the Registrar in accordance with generally accepted practices.

Requests for substitution of coursework in AAS degrees and certificates require approval by the department chair from which the student is earning the degree and/or certificate, consistent with degree outcomes.

All substitutions must meet state guidelines for each degree or certificate as established by the State of Oregon's Higher Education Coordinating Commission degree and certificate rules. The Registrar's office provides institutional approval for substitution decisions based on accreditation standards, government regulations and degree outcomes. Substitution forms are available online or at Student Services.

# Credit for Prior Learning

*cgcc.edu/CPL*

Credit for Prior Learning (CPL) is a program that allows students to demonstrate their equivalent proficiency to subject matter in courses offered at CGCC through various means such as exams, portfolios, and other assessments. Students may be eligible to earn college credit for prior learning experiences, including work experience, military training, volunteer work, and independent study.

- Maximum number of Credit for Prior Learning (CPL) allowable for any degree or certificate:
  - AAS and AGS degrees and certificates: A maximum of 66 percent of degree or certificate requirements may be completed using CPL.
  - AAOT, AS, AAT, AST: A maximum of 25 percent of degree requirements may be completed using CPL.
- CPL may not be used to fulfill residency requirements.
- The awarding of partial course credit for any form of CPL is not allowed.
- CPL may only be granted for active courses that exist within the college's catalog at time of application for CPL credit. Not all courses may be eligible for CPL credit.
- Students may not request CPL for a course they have already taken or received transfer credit for at CGCC.
- Students must have an established transcript at CGCC before CPL credit can be awarded.
- CPL credit is awarded as Pass/No Pass only and identified as CPL on the official transcript.
- Fees are applied for transcription of course credits awarded via CPL.
- CPL credit is not covered by financial aid funds or tuition waivers.

Students must submit official score reports and/or documentation to the registrar in order for scores to be entered onto the student's record. Information on how test scores convert to credit and directions for

submission of CPL are located on the Credit for Prior Learning webpage at cgcc.edu/CPL.

## Types of CPL

### Credit for Prior Learning Portfolio

The CPL Portfolio is a process by which students can earn credit for active CGCC course offerings, as listed in the current CGCC catalog. Credit is awarded based on demonstration of mastery of subject matter via a prepared Portfolio using the college's approved Portfolio Template.

### Course Challenge Exams

Students may elect to challenge a course for credit prior to enrollment in the course. Only select credit courses are eligible for challenge.

- Students may take the challenge exam for a given course only once.
- Students may not challenge a course in which they have previously enrolled and received a letter grade (A, B, C, D, F, FA, I, P, or NP).

### College Level Examination Program (CLEP) Exams

CLEP is a set of standardized exams that allow students to earn college credit for prior knowledge or experience. CGCC accepts CLEP scores for some, but not all, subject areas.

### Advanced Placement Scores (AP)

The AP program is a series of college-level courses and exams that students can take while still in high school. If a student earns a high enough score on an AP exam, they may be eligible to receive CGCC credit.

### International Baccalaureate (IB)

The IB Program is a comprehensive curriculum for students in grades K-12 that emphasizes critical thinking, creativity, and global awareness. Students who complete the program and pass the exams may be eligible to receive college credit or advanced standing at many colleges and universities. The program offers courses in a variety of subjects, including English, math, science, history, and foreign languages.

### American Council on Education (ACE) Guidelines for Military Service

ACE guidelines provide skill and competency for ACE guidelines provide skill and competency frameworks for aligning educational credits with time on task in military training and occupations as documented on the DD-214 and/or other official training documents. Typically, credit is considered only when it is equivalent to regular course offerings at CGCC, when it is not duplicated, and when it is applicable to a student's degree requirements. Students must submit documentation along with a Request for Awarding Military Credit form to Student Services.

### Professional and Industry Approved Licensures/ Certifications

CGCC recognizes some professional licenses/ certifications granted by official agencies/institutions and preapproved by CGCC's Curriculum Committee as fulfilling specified course credits within the college's current course offerings. Crosswalks for course articulation to accepted licenses and certifications can be found at cgcc.edu/CPL.

# Veterans Education Benefits

Students using any type of Federal Veterans Administration (VA) Education Benefit are required to have all prior credit history evaluated. It is the student's responsibility to request official transcripts from all previous colleges and submit them to the CGCC Student Records Office. A student's first term of VA benefits may be certified while waiting for transcript evaluation, however no subsequent terms will be certified for VA Benefits until transfer credit evaluation is complete. All credits will be evaluated and transferred according to the policies stated in this catalog.

CGCC will award two (2) credit hours toward PE requirements for Basic Training. The fee will be waived for the PE credits. CGCC accepts a maximum of twelve (12) Career and Technical Education (CTE) credits toward electives. Students must submit documentation along with a Request for Awarding Military Credit form to Student Services.

### Tuition Waiver for Dependents of Fallen and Disabled Service Members

Columbia Gorge Community College will provide free tuition to the dependents (spouse and children, as identified by DD Form 93) of fallen and 100% disabled (Medicare standard) United States service member personnel who died or were disabled while in combat or combat support organizations.

The purpose of this waiver is to allow the dependents of fallen and 100% disabled service members the opportunity to earn their first associate degree. Therefore, the waiver is offered for up to 135 credits or a degree (whichever comes first). The waiver offer will end when the child is 23, or 23 years after the death of the service member for the spouse. The waiver is for tuition only and does not cover books, fees, or other expenses. This tuition waiver is limited to space available.

### 38 U.S.C. 3679(c) Veterans Access, Choice and Accountability Act of 2014

The following individuals shall be charged a rate of tuition not to exceed the in-state rate 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 his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.

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

Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at: https://www.va.gov/education/about-gi-bill-benefits/

terms) at the same school.

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/her formal State of residence).

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 his/her 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.

Title 38 United States Code Section 3679(e) School Compliance

CGCC permits any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.

2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

CGCC will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapters 31 or 33.

NOTE: A Covered Individual is any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33 (Post-9/11 GI Bill®) benefits.

# Course Work at Non-Accredited Institutions

Credit may be granted for course work completed at training sites other than those listed in the "Transfer Credit Practices Directory" published by the American Association of Collegiate Registrars and Admissions Officers.

Students must furnish detailed training records, course outlines and, whenever possible, transcripts. Individual departments will evaluate and assign CGCC equivalencies. Only those subject areas taught by CGCC will be considered. Contact the Registrar for more information.

# Tuition & Fees

## Credit Class Tuition

Price shown is for the 2026-2027 year. Tuition and fees are subject to change without prior notice.

In-State Tuition* $125/credit

Out-of-State Tuition* $245/credit

*In-State tuition rates apply to residents of Oregon, and states sharing a land-based border with Oregon (Washington, Idaho, California, Nevada). Out-of-State tuition rates apply to residents of all other states.

## Credit Class Fees

Some classes include fees. These charges are listed in the Class Schedule and are paid in addition to any CGCC tuition. A definition of fees, including specific charges when applicaple, is listed below:

- Service fee - $30 per credit - a universal fee charged per-credit intended to replace fees such as technology and parking fees.
- Activities fee - $5 per credit - a universal fee charged per credit to cover activities and events.
- Online/Hybrid fee - $20 - online and hybrid classes are delivered through a system called Moodle, and a fee is charged per class to cover administrative costs of the technology.
- Instructional fee/program fee/book fee - varies by course - some courses include a fee that covers additional instructional costs or materials for that class. These may be charged on a per-course or per-credit basis, and are listed with the specific class to which they apply.
- Lab fee - varies - lab fees are charged for classes that have supplies and materials used by students each term for specific classes.

## Community Education Class Tuition & Fees

Tuition and fees for community education classes are specific to each class. Tuition and fees must be paid at the time of registration.

## Discounts and Waivers

### Discounts for District Residents, age 65+

District residents of Hood River or Wasco Counties 65 years or older are eligible to receive a 50 percent tuition discount on a seat-available basis. Check the course description for eligibility since some classes may not allow tuition discounts. Discounts do not apply to full classes or to class fees. Enrolled students will be notified if the class is full and the tuition discount will not apply. Request a discount at the time of payment or by calling the Business Office at (541) 506-6057.

### Oregon Senior Option

Oregon residents 65 years old or older at the beginning of the term in which the course is offered are eligible for a 100% tuition discount to audit a course if the following conditions are met:

- Students will complete a Senior Option Tuition Waiver and a Grade Mode form requesting an audit, with instructor signature.
- Senior Option enrollment will be on or after the first day of term.
- The course must be a lower-division collegiate course.
- Senior Option students will not displace paying students.
- The maximum costs to be covered by an approved tuition waiver each term is the cost of 8 credits.
- All course fees are to be paid by the student.

# Charges, Drop Deadlines, & Refunds

## Charges

Charges are applied to a student's account when the student registers for a class. All of the tuition charges associated with a class will be removed if the student officially drops within the refund period. Some fees are non-refundable. No charges will be removed if the student drops after the drop deadline.

## Drop Deadlines For Credit Classes

Credit classes must be dropped online, through the student account system. If a credit class is not dropped within the drop period, it will result in a "W" grade on the transcript, indicating a withdrawal, and no charges will be refunded. Drop deadlines are listed in the quarterly Class Schedule.

## Drop Deadlines For Community Education Classes

Non-credit classes can be dropped either in person at Student Services or by calling a Student Services representative. To receive a full refund, students must drop the class before the first meeting. If a student chooses to drop after the class has started, they may request a partial refund. However, in most cases, there will be no refund available, except in specific circumstances that are evaluated by the Community Education Department, which may result in a refund minus any registration fees.

## Refund Requests Within the Drop Period

The Business Office automatically issues refunds to students who drop within the drop period. The refund process is as follows:

Refunds from tuition and fees are first applied to outstanding charges on the student's account. If the student receives financial aid and opted to charge books on their account, this will also be deducted prior to any refund.

If the credit is the result of a payment by check or cash, a check is issued in the student's name.

If the credit is the result of a bank card payment, the refund will be applied to the original bank card.

Refunds resulting from check overpayment are held two weeks from the date of the original payment.

## Refund Requests After the Drop Period

If an extreme hardship prevented the student from completing a course, and the student could not drop during the refund period, they may request to have tuition charges removed from their account. Fees, especially any non-refundable fees, may not be refunded. A Tuition Appeal form for requesting a refund can be obtained from Student Services. Students submitting a Tuition Appeal form will be asked to provide documentation of circumstances to support their claim. The petition and all accompanying documentation must be received by the filing deadline to be considered. Please see the form for more details.

# Payments

## Payment Due Dates

For credit classes, full payment or college-approved financial arrangements must be in place by the first day of the term. For students who enroll after that date, payment is due upon registration. Students who have financial arrangements that will not cover the full term charges must pay the difference by the due date.

For community education (non-credit) classes, full payment is due at the time of registration.

## Holds Balance Policy

Any student with a balance will have a hold placed on their account, preventing them from registering for the next term unless they bring their account balance to zero.

Removing Holds:

The hold will be removed

- When a tuition waiver or payment on the account brings the account balance to zero.
- When funds have been posted to Common Origination Disbursement (COD) that will bring the balance below $0.
- When the entire balance is the subject of a Payment Installment Plan or Balance Repayment Agreement.
- If the hold was created as an error by CGCC staff or technology.
- When an exception is granted by the Vice Presidents of Student Services and Administrative Services.

## Payments and Holds

Past due accounts are assessed a late payment penalty of 10 percent of the account balance, up to $75. Past due accounts are referred to the Oregon Department of Revenue or other outside agency, and may be subject to additional collection charges, attorney fees and credit impairment. If a student's account is repeatedly past due or has been in collections, the college may require the student to pay future registration fees immediately upon enrollment. The college reserves the right to institutionally withdraw a student if their account becomes past due or has an unpaid balance from a prior term.

## Payment Responsibilities

Each student is responsible for full payment of all charges on their account by the payment due date, even if the account balance is being paid by another party. The student is responsible for keeping CGCC informed of any address or telephone number changes. Even if the student is under 18 years of age, they will be held liable for any charges on their account under ORS 348.105. When a student registers for a class, they are liable for payment of the charges on that class, whether or not the student attends. To have the charges removed, the student must personally drop the class by the drop deadline through the online student account system (MyCGCC).

For Community Education classes, payment is due upon registration. Students who fail to pay for community education classes upon registration will be automatically dropped.

## Payment Installment Plan

CGCC offers an installment plan that allows eligible

students to pay tuition and fees in up to three payments during the term. To qualify, students must meet all of the following requirements: (1) enter into the payment plan on or before the drop deadline, (2) provide a valid Social Security number, (3) have a satisfactory payment history, and (4) have no account balance at the time the plan is set up. Payment installment plans are normally created at the time the student enrolls for the term.

Students who meet these requirements may enroll in a payment plan and, if in good standing, are allowed to register for the next term.Final payment is due before the term concludes. There is a $25 fee per term to set up a payment plan.

For more information or to set up a payment plan, contact the Student Services at (541) 506-6011 option 2.

### Balance Repayment Agreements

In certain circumstances, the college may enter into a Balance Repayment Agreement with a student who has an outstanding account balance. These agreements are offered at the sole discretion of the college and are intended primarily for students who have exited the college with an unpaid balance. In limited cases involving unusual or extenuating circumstances, the college may also offer a Balance Repayment Agreement to a currently enrolled student. To enter into a Balance Repayment Agreement, the student must sign a document acknowledging the outstanding balance and agreeing to the repayment terms established by the college. The terms of the agreement, including the repayment schedule and any applicable fees, will be determined on a case-by-case basis. Failure to comply with the terms of a Balance Repayment Agreement may result in referral of the account to the Oregon Department of Revenue or another outside collection agency, and may be subject to additional collection charges, attorney fees, and credit impairment. For more information, contact the Business Office at (541) 506-6057.

### Paying with Financial Aid

Financial aid awards will be posted to the student's account once all requirements have been met. Students whose award exceeds their account balance will receive a refund check by mail for the difference. If the financial aid award is not enough to cover all term charges, the student must pay the difference by the first Friday of the term. Even if the student's aid is delayed, payment must be received by this date. Any excess payment will be refunded after the funds have posted to the student's account.

### Agency or Employer Billing

Arrangements for payment by an agency or company must be approved by the college before the term starts. Once arrangements have been made, the student must take their payment authorization to the Business Office before the term begins. The student is responsible to ensure that a payment authorization is on file by the payment due date, and for payment of any unpaid charges and late payment penalties.

### Scholarship Payments

CGCC Foundation scholarship awards, and scholarship checks from private donors, service clubs, or schools are posted to student accounts. The student is responsible for charges that exceed their award.

### Paying with Veterans Benefits

CGCC is committed to helping veterans and their dependents use their VA educational benefits to support their college expenses. The college recognizes the sacrifice of those who have served in the United States Armed Forces, and the college is honored to assist veterans and veteran-dependent students in utilizing VA benefits to their best advantage. The college is dedicated to providing students with effective access to any VA educational benefits they may be entitled to. Please refer to the steps and information provided on the college website at www.cgcc.edu/veterans Students using any type of Federal Veterans Administration (VA) Education Benefit are required to have all prior credit history evaluated. It is the student's responsibility to request official transcripts from all previous colleges and submit them to Student Services. A student's first term of VA benefits may be certified while waiting for transcript evaluation, however no subsequent terms will be certified for VA Benefits until transfer credit evaluation is complete. All credits will be evaluated and transferred according to the policies stated in this catalog.

## Educational Tax Credits, Deductions and Savings Plans

A variety of tax credits, deductions and savings plans are available to taxpayers to assist with the expense of higher education. A tax credit reduces the amount of income tax students may have to pay. A deduction reduces the amount of the student's income that is subject to tax, thus generally reducing the amount of tax students may have to pay. Certain savings plans allow the accumulated interest to grow tax-free until money is taken out (known as a distribution), or allow the distribution to be tax-free, or both. An exclusion from income means that students won't have to pay income tax on the benefits received, but students also won't be able to use that same tax-free benefit for a deduction or credit. Education credits are claimed on Form 8863, Education Credits (Hope and Lifetime Learning Credits). For details on these and other education-related tax breaks, see IRS Publication 970, Tax Benefits of Education.

## Academic Advising

*www.cgcc.edu/advising*

Academic advising is one of the most important factors that supports student success. Academic advisors are responsible for helping students understand their options and make informed decisions as they pursue their academic and career goals. The CGCC advising team is intentional in their approach to academic advising and bases their strategies on best practices that have been identified by nationally recognized academic advising organizations. The CGCC advising philosophy is to provide students with a robust First Year Experience that encourages self-advocacy and personal responsibility. In addition, advisors will assist students with graduation and transfer preparation as they approach the end of their academic program.

All new students to CGCC are required to meet with an academic advisor, at which time they will be shown how to access their student accounts and register for

their chosen coursework. In addition, students will be asked to schedule a follow-up advising appointment. This appointment is an opportunity for students to discuss their goals, create an educational plan that will map out, term by term, the classes needed to meet their goals, and be cleared to register for subsequent terms. Advisors will also provide information about prerequisites, degree and certificate requirements, transfer credits, academic regulations, career pathways, and college support services.

As students reach the mid-point of their academic program they will be required to meet with an academic advisor for an advising appointment in order to determine their progress toward completion. Advisors will confirm the student's chosen program and the courses needed to complete the student's academic program, and their transfer and career plans. Transfer students will be given transfer requirement deadlines and strategies as they transition to a four-year college or university. Students transitioning into the workforce will be given the opportunity to explore work readiness resources as they pursue their career goal.

All students are strongly encouraged to meet with an academic advisor regularly. To schedule a time to meet with an academic advisor, visit cgcc.edu/advising.

**Placement through Multiple Measures**

CGCC uses multiple measures for academic assessment and placement as a part of supporting a student's academic path. More information can be found at cgcc.edu/placement.

**Transfer Advising Services**

*www.cgcc.edu/transfer*

Advisors assist students in moving forward with their educational path following their work at CGCC. This includes, but is not limited to, deciding on a transfer path to a new college, university, or an apprenticeship. Advising services also provide resources for applying for transfer admission, scholarship or financial aid applications, transcript and credit requests, and dual enrollment with a CGCC partner university or college.

# Services for Students with Disabilities

*www.cgcc.edu/disability-resources*

Academic support services for students with disabilities are available at CGCC. Students must provide documentation and are encouraged to request services a minimum of three weeks prior to the beginning of each term to ensure the availability of appropriate and timely services. Accommodations will be determined based on documentation and conversations with each individual student, and may include: interpretive and communication technology assistance, note taking options, reader and scribe services, printed material in audio format and testing accommodations.

Students wishing to request services should:

1. Fill out the Disability Resources Intake form and obtain current documentation from an appropriate certified professional or physician. Forms and guidelines for documentation are available online and in the Student Services office. All information is kept confidential and will not be released to any person/agency without a student's written permission. If you need assistance, skip to step 2.
2. Call Student Services to schedule an appointment with the Student Support Services Coordinator at (541) 506-6011, option 2.
3. Request accommodations through the online registration system prior to each term.

Additional resources available for students with disabilities include the tutoring lab, career services, and CG 101: College Survival and Success classes.

# CGCC Campus Store

*www.cgcc.edu/campusstore*

*bookstore@cgcc.edu*

*(541) 506-6061*

The CGCC Campus Store, formerly the Bookstore, is located in Building 2 on The Dalles campus, and is dedicated to serving the academic needs of the college and the community at large. The Campus Store sells school supplies, college apparel, clay and more. Students can shop in the store with their financial aid by using their student account at checkout.

The Campus Store partnered with Slingshot, an auto-fulfillment service, to deliver both print and digital textbooks and course materials to students. The Campus Store is the pickup and rental return location for Slingshot. Low Cost and No Cost course materials are designated in the online schedule. The CGCC Slingshot Portal Buy Books page serves as the official course material list. See the Slingshot FAQs section on the store's website or the FAQs page of the CGCC Slingshot Portal for more information. Please email bookstore@cgcc.edu with any questions.

*https://cgcc.slingshotedu.com/buy-books*

*FindChildCareOregon.org*

# Child Care Partners

*www.cgcc.edu/ccp*

*ccp@cgcc.edu*

*(541) 506-6131*

*Located in TDC, building 2, basement floor in office 2.035*

Child Care Partners (CCP) is a Child Care Resource and Referral (CCR&R) program serving Gilliam, Hood River, Sherman, Wasco, and Wheeler counties. It provides high-quality training and professional development to the region's early learning and education workforce. The CCP Team offers coaching, mentoring, support, and technical assistance to early learning and education professionals. CCP staff are also qualified Early Childhood Education (ECE) trainers. Their partnership and collaboration with Columbia Gorge Community College (CGCC) creates a seamless pathway for continued professional development and higher education in ways that meet the needs of the early learning workforce. CCP works to develop strong relationships and trust with early learning professionals in the region and offers relationship-based professional development.

Child Care Partners regularly maintains a statewide database with local information on child care settings, preschools, and school-age programs. This database is used in child care referrals through 211Info and Find Child Care Oregon. Through this database, CCP offers free, enhanced referrals for CGCC students, staff, and faculty seeking child care to meet their specific needs.

*gethelp.211info.org/agency/22628/18945/*

*FindChildCareOregon.org*

Child Care Partners (CCPhttps://gethelp.211info.org/agency/22628/18945/) es un programa de Recursos y Referencias al Cuidado Infantil que ofrece servicios en los condados de Gilliam, Hood River, Sherman, Wasco y Wheeler. Proporciona capacitación y desarrollo profesional de alta calidad a la fuerza laboral de la educación y el aprendizaje temprano en la región. El equipo de CCP ofrece asesoramiento, mentoría, apoyo y asistencia técnica a los profesionales de la educación y el aprendizaje temprano. El personal de CCP también capacita en el Aprendizaje y en la Educación Infantil. Su colaboración con Columbia Gorge Community College (CGCC) establece una trayectoria suave para el desarrollo profesional continuo y en la educación superior, de un modo que satisface las necesidades de la fuerza laboral en esta profesión. CCP trabaja en desarrollar conexiones sólidas y de confianza con los profesionales de la educación temprana en la región y ofrece desarrollo profesional basado en relaciones.

Child Care Partners mantiene regularmente una base de datos a nivel estatal con información local sobre entornos de cuidado infantil, preescolares y programas para niños de edad escolar. Esta base de datos se usa en las referencias al cuidado infantil mediante 211info y el sitio web de Find Child Care Oregon. A través de esta base de datos, CCP ofrece referencias gratuitas y mejoradas a los estudiantes, el personal, y el profesorado en CGCC, quienes buscan cuidado infantil que cumpla con sus necesidades específicas y únicas.

*gethelp.211info.org/agency/22628/18945/*

*FindChildCareOregon.org*

# Community Education

*cgcc.edu/CE*

Columbia Gorge Community College is dedicated to promoting lifelong learning by offering a diverse range of noncredit classes, workshops, seminars, and special programs. These sessions are held during the day, evening, and on Saturdays. Individuals enroll in community education courses to acquire new skills, explore career-related interests, develop hobbies, or simply enjoy themselves. The quarterly Class Schedule features personal enrichment classes in languages, art, health and fitness, cultural history, outdoor recreation, computer technology, travel, and financial management. Additionally, CGCC will introduce and schedule new classes based on patron requests.

For more details, visit cgcc.edu/CE or contact the Community Education Team at (541) 506-6031 or email communityed@cgcc.edu..

# Customized Training

Tailored Contracted and Customized Training Programs can be created to address the specific needs of businesses and industries. These customized programs are developed and organized per the organization's requirements. To learn more, reach out to the Customized Training Team at (541) 506-6031 or email communityed@cgcc.edu.

# ESOL (English for Speakers of Other Languages)

The ESOL program offers a variety of classes focusing on improving students' ability to read, write, speak and listen in English. While lower level classes focus on everyday English which would help students navigate in an English speaking environment, advanced classes can be more academic. Advanced ESOL classes offer a pathway into Pre-College classes and into credit bearing classes.

# Food Service

*cgcc.edu/the hook*

CGCC's The Hook Café is located on The Dalles Campus Building 1, level 1. Students are encouraged to gather and eat, or study, while enjoying a full breakfast and lunch menu or an espresso drink too! For students in a hurry that cannot make it to the café, there are cold drinks and snacks available in vending machines in most campus buildings, including the Hood River campus.

The Hook is also open to the public. Please visit https://www.cgcc.edu/thehook for current menu and hours of operation.

# Pre-College & GED®

# Programs

*https://ged.cgcc.edu*

Pre-College classes are often the first step in a student's educational journey. While Pre-College classes primarily serve students pursuing their High School Equivalency (GED®), anyone can take Pre-College classes who would like to improve their knowledge of math, science, social studies and language arts. Pre-College offers a low-cost alternative to credit bearing classes. The Pre-College program helps students identify and create realistic life goals that are supported by Pre-College staff throughout the student's experience. The Pre-College program addresses the individual academic needs of each student at their entry level and provides advising, transition activities, and assistance for students moving from Pre-College into credit bearing classes.

The Pre-College Program offers classes to help students:

- Prepare for or improve scores on college placement tests
- Develop the skills necessary to pass the GED® Exam
- Develop reading comprehension skills and strategies
- Renew or increase math skills
- Develop writing composition and grammar skills
- Take the first step towards starting college or a better career and a family sustaining wage job

# Publications

## Annual Safety and Security Report

*www.cgcc.edu/clery*

In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act), and its amendments, and the Higher Education Opportunity Act, the college publishes an Annual Safety & Security Report and Annual Fire Safety Report. The report covers crime awareness and campus public safety. The report is available by October 1st for the prior calendar year and an electronic copy may be obtained from the college's website at https://www.cgcc.edu/clery. Paper copies are available upon request

from Student Services.

### College Catalog

*www.cgcc.edu/catalog*

The college publishes a catalog to provide information to the public, including program offerings, course descriptions, admissions and registration guidelines, student services information and college policies.

### Class Schedule

*www.cgcc.edu/schedule*

Approximately one month prior to the start of registration, a schedule for the upcoming term will be published. The schedule is presented online at cgcc.edu/schedule.

### Student Handbook

*cgcc.edu/student-handbook*

The Student Handbook describes services and programs available to students, student rights, responsibilities, and conduct, as well as full details of CGCC's grievance policy and procedure. The Handbook is not a contract between a student and CGCC, and CGCC reserves the right to modify or revise the contents of this handbook at any time. Occasionally revisions may be made to the Handbook. The most current version is available online. The Handbook is to be construed in a manner that is consistent with other college policies and regulations.

## Small Business Development Center

*https://oregonsbdc.org/center/Columbia-Gorge-SBDC/*

Small Business is big business here in the Columbia Gorge. The Small Business Development Center (SBDC) is available to help Gorge small business owners achieve their goals in operating a successful business. Whatever the client's needs may be, the SBDC provides assistance that is relevant and responsive.

SBDC advisers have experience running small businesses and understand the challenges small business owners may be facing. The SBDC at CGCC is part of a statewide network and has access to resources that will help clients overcome each hardship and achieve their dreams as a small business owner. The advising is confidential and at no cost to our clients.

Columbia Gorge Community College's Small Business Development Center offers:

- Business plan development
- Capital access and loan application packaging
- Marketing plan strategies
- Hiring and managing a team
- Navigating the business regulatory process
- Managing cash flow challenges
- Custom training and curriculum development

SBDC staff works with everyone from entrepreneurs with a good idea to seasoned business owners, and will listen to a client's needs and help find successful solutions to achieve goals for success. Contact the SBDC at (541) 506-6121.

## Student Organizations

*www.cgcc.edu*

CGCC supports a variety of student leadership organizations that encourage engagement, service, and participation in campus life. Through clubs, student government, honor societies, and other recognized organizations, students have opportunities to develop leadership skills, participate in shared governance, and build community connections beyond the classroom. These co-curricular experiences enhance the overall educational experience and support student growth both personally and professionally.

A current list of student clubs and organizations, along with information about starting a new club, is available through the Student Life Office or online at

cgcc.edu/student-life

## Testing Services

testing@cgcc.edu

### GED® Testing

Columbia Gorge Community College is an authorized GED® testing center. Appointments to test are made online at www.MyGED.com. There are four subject area tests taken separately to complete a GED®. The time needed for each of the four GED® tests varies from 75 to 155 minutes. Students age 16-17 must submit a Release from Compulsory Education prior to testing. Students younger than 16 will not be permitted to test per Oregon state law. The release is obtained from the High School or Educational Service District, or other local agency, within whose district the student resides.

Practice testing, to determine readiness to pass the test, is available through CGCC's GED® preparation classes.

### Test Proctoring

Columbia Gorge Community College provides test proctoring services to students and community members. All tests are administered by appointment only and there may be a fee for this service. Contact the testing proctor at testing@cgcc.edu to schedule a test or contact Student Services for more information.

## Tutoring

*cgcc.edu/cove*

Knowledgeable tutors and faculty are available to provide guidance and assist students with individual instruction. The college offers free tutoring to all students for CGCC classes in all subjects. Hours for online and in-person tutoring services are posted on the website the first week of each term, and a copy of the tutoring schedule is available online, in Student Services, in Instructional Services, and in the Library and Learning Commons.

Students seeking tutoring assistance for courses can also contact their course instructor. All faculty have office hours or contact information, which is identified on their course syllabus.

Access to online tutoring is available through NetTutor, which can be accessed via students' Moodle page.

Students are encouraged to seek help early. Students who find themselves struggling and uncertain should not wait until the end of the term when time is short and options are limited.

If unable to find the tutoring schedule or make a connection with the appropriate faculty, students should contact (541) 506-6081 for assistance.

# Transportation

## Bus Service

Limited public transportation is available in the mid-Columbia region through a variety of paid services. The following references are provided as a guide for the public, and do not represent direct endorsement of the services listed:

In The Dalles, public transportation is offered by The Link in The Dalles by calling (541) 296-7595 at least 24 hours in advance. The service is door-to-door and fares apply.

Columbia Area Transit (CAT) has fixed route bus services between CGCC's Hood River and The Dalles campuses Monday-Friday. The complete schedule is available online by visiting https://www.ridecatbus.org/. For information, call CAT at (541) 386-4202.

Mt Adams Transportation Services will offer fixed route bus services from White Salmon to Hood River and Goldendale to The Dalles in August 2018. Check their online schedule at: https://www.klickitatcounty.org/363/Mount-Adams-Transportation-Service-MATS or call (509) 493-3068.

For more information about all regional transportation services, go to: http://www.gorgetranslink.com/

# Campus Parking & Accessibility

### Parking

There is no fee or permit required for on-campus parking at either of the CGCC campuses during regular business hours. Residents of Chinook Hall must display their parking pass in the window of their vehicles when parked on campus overnight. Motor vehicles must be parked only in designated parking areas and drivers are responsible for observing posted traffic signs and correctly parking their vehicles. There is no parking in designated fire lanes at any time.

Parking on The Dalles Campus includes two lots near Buildings 1 and 4, three lots near Buildings 2 and 3, and one lot at Building 10.

Parking is also available along Scenic Drive, at the Veterans Memorial Overlook and in designated parking areas within Sorosis Park.

Parking for students in Hood River is available in the lot directly adjacent to the building.

### Accessibility

Accessible parking is available to all buildings on both campuses. Consult the map on page 152 for accessible routes from parking to each building at The Dalles Campus. Hood River has one building and one parking lot, which is accessible.

Accessible parking spaces are marked in each lot that has them. Only vehicles displaying a state-issued disabled license plate or sticker may park in these designated locations.

### Parking Lot Safety

The College is not responsible for loss due to theft, accident, or vandalism.

For your safety, we recommend the following steps:

- Park in one of the lighted parking areas
- Lock your vehicle and close all windows
- Never leave items inside your vehicle
- Never store or hide a spare key in or on your vehicle

# Lost and Found

Inquire after lost items in Student Services in The Dalles. If you find an item, you may turn it in to any CGCC staff member.

# Library and Learning Commons

*www.cgcc.edu/library*

The Library and Learning Commons (LLC) provides access to physical and digital resources. The welcoming space includes five study rooms and access to diverse print, eBooks, and research database collections that are curated to meet the academic and recreational needs of the institution and students. The CGCC library is also a member of the SAGE library consortium with access to over 70 statewide libraries from which students may borrow materials at no cost.

## Locations and Access

### The Dalles Campus Library

Located on the second floor of Building 1, the CGCC Library and Learning Commons (LLC) is equipped with computers, a copier, printer, and scanner. The library offers some textbooks, laptops, and webcams to currently enrolled students for term-length checkouts. The LLC is also home to The Cove tutoring center, which allows the LLC to provide a one-stop location for academic support services to students while attending CGCC.

### Hood River Information Commons

Library services in Hood River include computers and limited book resources. A librarian transports material on a weekly basis, so students can request resources from The Dalles campus by calling (541) 506-6081 or by placing a hold request on their library account.

### Off-Campus Access

The library's electronic resources are available to registered students and CGCC employees while they are off campus. To gain access, users must register for a library account on the library website or in-person with a librarian. A librarian will respond to their CGCC email address with their login credentials.

### Library Services for Faculty

The LLC helps facilitate technological access for students and faculty, and offers library instruction via in-class demonstrations, research guide development, collaborative open pedagogy projects, and embedded Moodle offerings.

Contact the library at (541) 506-6081 for more information.

### Services for Public Patrons

The Columbia Gorge Community College Library is open to the public. Wasco and Hood River county residents can use their public library cards to borrow items directly from the college library. Items can be returned at either CGCC library location or at any branch of the Wasco or Hood River county libraries. For more information contact the library at (541) 506-6081.

## Fees and Fines

### Overdue Items

Items more than thirty days overdue are considered lost and the patron is assessed a $5.00 service fee.

CGCC patrons may also be charged overdue fines by the lending library for overdue interlibrary loan items.

**Lost or Damaged Items**

Lost or damaged items incur a non-refundable $5.00 service fee plus the replacement cost of the item. Fees are removed if the items are returned. Patrons are responsible for charges imposed by the lending library for lost or damaged interlibrary loan items.

**Unpaid Bills**

Patrons with unpaid library bills will have financial holds placed on their student records. The library and the college reserve the right to send unpaid bills to a collections agency.

## Copying and Printing

**Copying and Scanning Services**

Copying and scanning services are available on The Dalles Campus. Check with Library staff for current rates.

**Printing Services**

The Library provides printing services at both campus locations. Check with Library staff for current rates.

## Contact Us

In person: The Dalles Campus, Room 1.250
By phone: (541) 506-6081
By email: library@cgcc.edu

# Programs for High School Students

*www.cgcc.edu/dual-credit*

## College Now

College Now is a dual enrollment program offered through a partnership between Columbia Gorge Community College and local high schools. The program allows high school students to earn transferable college credits while taking approved courses at their high school. These courses provide both high school and college credit.

All College Now courses meet college-level standards. High school instructors are approved to teach at the college level, or are supervised by college faculty, and students are expected to demonstrate readiness for college-level work.

- Lower cost than standard college tuition
- Opportunity to earn college credit while in high school
- Credits may transfer to other colleges and universities

College Now is generally intended for juniors and seniors. Eligibility is determined by each high school. Students should consult their high school counselor for information about available courses and participation requirements.

## Concurrent Enrollment

Concurrent enrollment programs allow high school students to take college-level courses while still in high school. These programs include Expanded Options (Oregon high school students), Running Start (Washington high school students), or Early College (available at selected schools).

Columbia Gorge Community College partners with high schools in both Oregon and Washington, as well as homeschool and charter school programs, to offer these opportunities. In many cases, high schools fund student participation, though families may explore options outside of school-funded programs.

Students are required to meet with a CGCC advisor prior to enrollment. Concurrent enrollment provides an opportunity for students to begin college coursework early and make progress toward a degree while completing high school.

## Credit by Exam

There are several nationally approved testing programs, listed below, that CGCC accepts for credit through our non-traditional credit process (see page 121 for more information). Depending on the test, some fees are paid by and supported at the high schools. Anyone can participate. The scores can be used for college credit. The guidelines of how these are accepted are determined by each college or university. Please see the college's webpage regarding non-traditional credit.

- Advanced Placement(AP)
- College Level Exam Program (CLEP)
- International Baccalaureate (IB)

# Financial Aid

## Financial Aid at CGCC

Columbia Gorge Community College makes every effort to ensure that all students are informed of financial aid resources available to them.

The Financial Aid Office administers a variety of aid programs in the form of scholarships, grants, loans, and part-time employment (federal work study) to eligible students who need assistance to attend college.

Financial aid can come from various sources such as:

- Federal grants
- State grants
- Federal Direct Loans
- Federal Work Study
- Scholarships
- Tuition Waivers

The amount of aid awarded is subject to eligibility, availability of funding, and date the application is completed. For questions, email the financial aid department at financialaid@cgcc.edu or call (541) 506-6011, option 2.

The first step in applying for federal financial aid is to complete a Free Application for Federal Student Aid (FAFSA). Students must file a FAFSA every year.

The process can take from 8-12 weeks once the FAFSA is received. Applying early increases the chances of obtaining funds that are in limited supply. File the FAFSA online at studentaid.gov. Oregon students who are not eligible to file the FAFSA should file the Oregon Student Aid Application (ORSAA). Students should check oregonstudentaid.gov/fafsa-orsaa to determine which application to use, and file the ORSAA if applicable.

## Checking Progress

Students can check the progress of their CGCC FAFSA Application by logging into the student portal at cgcc.edu/MyCGCC. Click on "My Financial Aid" and then "Global Portal" to access the financial aid system, submit documents, and view the award offer. For questions, please email financialaid@cgcc.edu.

## How to Apply

The 2026-27 award year begins with the summer 2026 term. Students who have not yet filed their FAFSA should do so as soon as possible. When filing the FAFSA, it is highly recommended that students use the search tools within the application to select Columbia Gorge Community College (CGCC) or enter the address, The Dalles, Oregon instead of CGCC's Federal School Code 041519.

Federal Financial Aid Applications will be accepted throughout the year; however, state financial aid is awarded as funding permits. Eligibility for aid is determined when all requests for information have been submitted.

ORSAA is an alternative financial aid application for Oregon residents who may not qualify for the FAFSA. The ORSAA opens in October each year. Students should NOT complete the ORSAA if they are a U. S. citizen or an eligible non-citizen with an Alien Registration number. For more information, please visit https://oregonstudentaid.gov.

## Eligibility

The federal government sets the eligibility requirements as follows:

- Be a U.S. citizen or an eligible non-citizen.
- Have a valid Social Security Number.
- Have a high school diploma, GED® or Home School Certificate.
- Be enrolled in a program leading to a degree, certificate or transfer program and taking courses applicable to that program.
- Not owe a repayment of an overaward on federal financial aid.
- Not be in default on a federal student loan.

## Receiving Award Notification

Most applications are processed in the spring and summer for the following academic year. Students will be notified when their financial aid award is posted to their student account through student email.

## Factors Impacting Financial Aid Adjustments:

Even after the Financial Aid Offer has been finalized, the amounts and types of financial aid a student is eligible to receive is subject to change based on enrollment status, new information on their financial aid application or other factors

Effective for the 2026-2027 academic year, there are two specific factors which may result in an adjustment of a student's financial aid offer:

- The federal Pell grant may be reduced or cancelled if the total amount of financial aid received from other sources such as state grants, institutional or outside scholarships meets or exceeds the full cost of attendance
- Federal Direct Loan Proration will occur if a student withdraws from a course before or after their loans are disbursed. If the student withdraws from the course prior to the loans being disbursed, the proration will occur during the term they withdrew. If the withdrawal occurs after the disbursement date, the number of credits withdrawn will be deducted from the student's enrollment in the subsequent term and result in the proration of the Federal Direct loan for that term. In some cases, the student may become ineligible for the loan, if the deduction of credits places the student below half-time (at least six credits) for the term. In general, students taking 15 or more credits each term, will not be impacted by withdrawing from one three credit course. The Federal Direct Loan proration does not carry forward to the next academic year.

## Financial Aid Satisfactory Academic Progress

Federal regulations require that students maintain Satisfactory Academic Progress (SAP) which includes cumulative pace of completion; cumulative GPA; and 150% Maximum Timeframe allowed for attempted credits in the program of study. At CGCC, the SAP standard is based on successful completion of 66.67% of attempted credits; a 2.0 ("C") cumulative GPA minimum and not exceeding the maximum timeframe allowed.The Financial Aid Office reviews students' SAP status each term. Grades A, B, C, D, and P are deemed successful for financial aid SAP purposes. Grades F, FA, W, I, and NP are considered as unsuccessful. If a student does not meet the cumulative pace and GPA requirements to maintain SAP, they may be placed on financial aid warning or may be disqualified from receiving financial aid in the future. Students with extenuating circumstances that impacted their academic performance may appeal for their financial aid to be reinstated by completing a Satisfactory Academic Progress Appeal form and document in writing why academic standards were not met along with a plan to be successful. However, only in limited circumstances or at the discretion of the Director of Financial Aid, students will be permitted to appeal if they have exceeded the Maximum Timeframe allowed for their program of study. Students who withdraw officially or unofficially, drop out, or stop attending classes may be subject to repayment of financial aid funds to CGCC.

The full policy is available here.

## Withdrawals and Return to Title IV Funds

It is the policy of Columbia Gorge Community College to determine the amount of earned and unearned portions of Title IV aid as of the date the student ceases attendance in accordance with federal regulations and the Return of Title IV Funds process as dictated in the Federal Student Aid Handbook. This policy applies to all students receiving federal Title IV funds who completely withdraw from all of their courses on or before the 60% date of each term.

## Title IV Refunds

Federal regulations require the college to have a fair and equitable refund policy for students receiving financial aid who officially or unofficially withdraw from all classes. See CGCC's Refund Policy for more information. Withdrawing or stopping attendance may result in financial debt for the student and may also make the student ineligible for future financial aid, including loans. Students are strongly urged to consult with an academic advisor and/or financial aid staff to help them with decisions about withdrawing.

## Scholarships

Information on many scholarship opportunities is available on the CGCC website at cgcc.edu/scholarships.

### CGCC Foundation Scholarships

Columbia Gorge Community College Foundation is pleased to offer tuition scholarships to CGCC students provided by the Foundation Board and their generous donors.

## Gorge Scholars

cgcc.edu/scholars

Gorge Scholars is a tuition waiver program available to eligible high school graduates. Gorge Scholars receive full tuition waivers for up to eighteen credits per term, for up to two years. (Books, fees and miscellaneous expenses are not included.) Tuition waivers will be awarded to twelve (12) selected students who submit a complete application packet and meet the eligibility requirements.

## Financial Aid Eligible Programs

To qualify for financial aid, a student must be enrolled or accepted for enrollment in a financial aid eligible degree or certificate program with the intent of completing the program. Not all programs offered at Columbia Gorge Community College are eligible for financial aid funding. This list is subject to change as programs are developed or phased out.

### Eligible Programs

*Associate degrees*

- AAS Accounting
- AAS Advanced Manufacturing & Fabrication
- AAS CNC and Additive Manufacturing
- AAS Fabrication and Additive Manufacturing
- AAS Aviation Maintenance Technology
- AAS Construction Technology
- AAS Early Childhood Education
- AAS Electro-Mechanical Technology
- AAS Business Management
- AAS Nursing
- Associate of Arts Oregon Transfer (AAOT)
- Associate of Arts Oregon Transfer (AAOT) - Elementary Education
- Associates of Arts Transfer (AAT) - English
- Associates of Arts Transfer (AAT) - Communication
- Associates of Arts Transfer (AAT) -Human Development and Family Services
- Associates of Arts Transfer (AAT) - Sociology
- Associate of General Studies (AGS)
- Associate of Science (AS)
- Associate of Science Transfer (AST) - Business
- Associate of Science Transfer (AST) - Computer Science
- Associate of Science Transfer (AST) -Human Development and Family Services -
- Associate of Science Transfer (AST) - Psychology
- Associate of Science Transfer (AST) - Sociology

Certificates

- Accounting Technician
- Advanced Manufacturing Technology
- Additive Manufacturing
- Aviation Maintenance Technology
- Aviation Airframe
- Aviation Powerplant
- Bookkeeping
- Business Administration
- CNC Manufacturing and Quality Control Processes
- Construction Technology - Building
- Construction Technology - Finishing
- Early Childhood Education Fundamentals
- Early Childhood Education Curriculum
- Electro-Mechanical Technology
- Emergency Medical Technician
- Initial Early Childhood Education
- Medical Assisting
- Professional Small Uncrewed Aircraft Systems

### Limited Eligibility Programs

While completing prerequisites for a program that has a competitive/points-based admissions process, a student has limited or no financial aid eligibility. The student's options include: 1) complete the AGS, AAOT, or AS degree while taking prerequisites; 2) complete prerequisites without federal and state financial aid; or 3) receive Preparatory Funding (loans only at a reduced level) for a maximum of 12 consecutive months. This option is available once during the student's lifetime.

- Nursing

### Ineligible Programs

If a student is enrolled in an ineligible program, they cannot receive federal or state financial aid, including loans.

- Career Pathways Certificate Programs.**
- Less-than-one-year Certificate programs not approved by the State of Oregon or the US Department of Education.
- Non-Credit/Continuing Education Programs, including courses leading to certification in health occupations (EMT Part I and Part II, Nursing Assistant 1, and Phlebotomy).
- Any collaboration program where the degree or certificate is not awarded by Columbia Gorge Community College.
- Concentration Awards as outlined in the college catalog

** The coursework needed to complete a Career Pathways certificate is typically the same coursework required to earn the corresponding Associate of Applied Science degree. If it is the student's intention to complete the Associate degree, then they are enrolled in an eligible program. The program the student lists with the College should be the appropriate AAS program.

## Important Financial Aid Websites

**CGCC Financial Aid Page**

*cgcc.edu/financial-aid*

**Department of Education Aid Website**

*studentaid.ed.gov*

Offers information about federal student aid, including:

- Electronic version of the FAFSA
- Direct Loan Entrance Counseling, Master Promissory Note, repayment plans and

repayment calculators

- Student loan and grant amounts, pell grant lifetime eligibility used (LEU) percentage, loan balances, and lender contact information.

**Oregon Office of Student Access and Completion**

*oregonstudentaid.gov*

- Listing of nearly 400 scholarships and grants
- Access to ORSAA

# Student Records Policies

## Disclosure of Student Records and Directory Information

Columbia Gorge Community College follows all applicable state and federal laws, rules and regulations that apply to student records. All information contained in the college records which is personally identifiable to any student shall be kept confidential and not released except upon prior written consent of the subject student or upon the lawful subpoena or other order of a court of competent jurisdiction. Student information may be shared among college faculty and staff on an official (need to know) basis.

## Educational Records Policy

CGCC follows all applicable state and federal laws, rules and regulations that apply to Student Records. The Family Educational Rights and Privacy Act of 1974 (Statute: 20 U.S.C. 1232g; Regulations: 34CRF Part 99), also known as FERPA or the Buckley Amendment, is a federal law that states (a) a written institutional policy must be established and (b) that a statement of adopted procedures covering the privacy rights of students be made available. The law provides that the institution will maintain the confidentiality of student education records and affords students certain rights regarding their educational records. They are:

The right to inspect and review the student's records. The students may request to review his/her records by submitting a written request to the Records Office having custody of such records;

The right to seek amendment of the student's records that the student believes are inaccurate, misleading or otherwise in violation of the student's privacy rights. Requests for amendment of records must be in writing and must describe the specific portions or specific record(s) the student wishes to have amended, instructions as to the change desired, and reasons why the change is justified;

The right to consent to disclosure of personally identifiable information contained in the student's education records, except for when consent is not required by FERPA. FERPA does not require a student's consent when disclosure is to other school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position; a person or company with whom the college has contracted or appointed as its agent; or a student serving on an official committee or assisting another school official in performing the official's tasks. A school official has a legitimate educational interest if the official needs to review an educational record in order to fulfill his/her professional responsibilities.

The right to file a complaint with the Department of Education Family Compliance Office concerning alleged failures by the college to comply with the requirements of FERPA.

Note: FERPA rights belong to the CGCC student, regardless of the student's age.

**Directory Information**

CGCC does not have any directory information. Therefore, all information about a student is kept confidential and not released without express written consent of the student (except when consent is not required by FERPA). While CGCC does not have any directory information, the college may contact a student via the phone and mailing address provided by the student, and may leave a voicemail at the provided number.

Questions about these policies can be directed to the CGCC Registrar at registrar@cgcc.edu.

**Solomon Amendment**

Federal law requires CGCC to provide student name, address and telephone number to the military for recruiting purposes. Students may contact the Registrar's office to request that their name be withheld.

## Communication Statement

Columbia Gorge Community College will use electronic communication methods to conduct official college business. Communication to CGCC employees and students via electronic communications methods will speed the delivery of information. Every student and employee is given the appropriate account(s) to access these communications. Recipients will be expected to read all electronic communication related to CGCC business and when necessary take action as a result of communications received from the College. It is expected that students and employees will monitor their college electronic accounts often to receive the most up-to-date information from the College.

## Consumer Information and Student Right to Know

Federal law requires all colleges that receive federal financial aid to share key information with students, employees, and the public. This includes details about academic programs, financial aid, campus safety, graduation and transfer rates, and students' rights under federal laws such as Title IX and the Clery Act.

Columbia Gorge Community College meets these requirements by publishing information on two webpages:

- Consumer Information and Disclosures page https://www.cgcc.edu/consumer-information-and-disclosures
- Student Right to Know page https://www.cgcc.edu/student-right

These pages provide access to facts about tuition and fees, student outcomes, textbook costs, disability services, and more. You'll also find links to college policies, safety procedures, and important contacts for student support.

To access these pages from any cgcc.edu webpage, go to Menu > Consumer Information and Student Right to Know. This information is updated regularly to support transparency and informed decision-making.

## Social Security Number Disclosure

OAR 589-004-0400 authorizes Columbia Gorge Community College to ask students to provide their

Social Security number.

Providing a Social Security number is voluntary unless specifically mandated by federal law (as in financial aid and payroll requirements). A student's Social Security number will not be given to the general public. Students who choose not to provide a Social Security number will not be denied any rights as a student.

The number will be used by the College for reporting, research and record keeping. The number will also be provided by the College to the Data for Analysis (D4A) reporting system, which is made up of all community colleges in Oregon, the Oregon Higher Education Coordinating Commission (HECC), 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 and the College may also match Social Security numbers 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, and/or the U.S. Department of Labor, which gather 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 American College Testing Service for educational research.

The Oregon Department of Revenue and collection agencies only for purposes of processing debts and only if credit is extended to you by the College.

The U.S. Military under requirement of the Solomon Amendment.

The Department of Education to provide reports to the state and federal government. The information is used to learn about education, training, and job market trends for planning, research, and program improvement.

National Student Clearinghouse to provide reports to the federal government. The information is used for enrollment and degree verification and for federal financial aid reporting purposes.

Student Social Security Numbers will be used only for the purposes listed. State and federal law protects the privacy of student records.

### Student Rights & Responsibilities

Columbia Gorge Community College provides students with broad, comprehensive programs of general education, developmental/remedial programs, and vocational/technical curricula.

The college also provides cultural, recreational, and community service activities. It is, in turn, the responsibility of the student to observe campus rules and regulations and to help maintain appropriate conditions in the classroom, on the campus, and in the community. A student's registration obligates him/her to comply with the policies and regulations of the college. This information is produced annually and is distributed in the fall quarter in the form of a student handbook. The handbook is available online.

Columbia Gorge Community College is granted the right by law to adopt such rules as is deemed necessary to govern its operations and protect the freedom to learn.

### Grievance Procedure

Columbia Gorge Community College has established procedures designed to provide students an avenue to challenge decisions and/or actions taken by college faculty and staff that are alleged to violate their rights as defined in the Student Handbook. The grievance must address which right(s) is being violated.

A student who has a grievance and/or appeal shall follow the specified steps of this grievance procedure to assure the grievance and/or appeal is given fair and careful consideration. The steps will vary slightly depending on whether the grievance is related to instruction, student services/student life, or business/fiscal matters. Procedures are located in the student handbook at cgcc.edu/student-handbook.

## Other Policies

### Constitution Day

Every year on September 17, Columbia Gorge Community College joins schools across the nation to celebrate Constitution Day, a federal observance that honors the signing of the U.S. Constitution in 1787. This day reminds us of the importance of civic engagement and the foundational principles of American democracy.

Constitution Day became federal law in 2004, requiring all educational institutions that receive federal funding to provide educational programming about the Constitution each year. At CGCC, this requirement is more than just a checkbox, it's an opportunity to reflect on the rights and responsibilities we all share as members of a democratic society.

To meet this requirement and engage our campus community, CGCC offers a Constitution Day webpage available year-round at https://www.cgcc.edu/constitution-day. On September 17 (or the closest school day if it falls on a weekend) , CGCC also hosts educational displays in the library and other locations across campus. These may include printed copies of the Constitution, historical resources, books about the historical context of the Constitution, and thought-provoking questions about democracy, inclusion, and civic responsibility.

Students should keep an eye on their CGCC email and official college social media in early September for details about the Constitution Day program. Whether it's reading the Constitution for the first time or reflecting on how it applies to today's world, Constitution Day is a meaningful moment for learning, dialogue, and connection.

### Drug-Free School and Workplace

CGCC recognizes that it has a fundamental, legal and ethical obligation to prevent controlled substance abuse and to maintain an alcohol/drug-free work and educational environment. Use of the following substances is restricted or banned on campus: tobacco, marijuana, alcohol, any illegal drug, or any legal prescription drug for which the user/possessor does not have a valid prescription. Violation of this policy will result in disciplinary action and students may also be

subject to criminal prosecution and/or civil liability.

**Tobacco**

No tobacco or tobacco-containing product may be used on campus, or in any vehicle owned, leased, or rented by the college. This includes chewing, smoking, vaping or any other method of consumption.

**Alcohol***

Alcohol misuse or abuse interferes with the College's educational mission and shows a lack of respect for one's self, for others within the College community, and for the community at large. Therefore, consumption of alcohol, and possession of open containers of alcohol, is prohibited on campus properties or in any vehicle owned, leased, or rented by the college. Possession of alcohol by a minor under 21, even in a closed container, violates Oregon state law and is not allowed on campus property or in any campus vehicle.

The following acts by students are prohibited by this policy when they occur on campus, at a CGCC-sponsored event, at a CGCC-sanctioned activity, or while acting as a representative of CGCC:

- It is unlawful, and therefore violates this policy, for any student under the age of 21 to possess or consume alcohol.
- Columbia Gorge Community College prohibits operation of equipment or vehicles while under the influence of alcohol.
- Columbia Gorge Community College prohibits inappropriate behavior that is a direct result of alcohol consumption. Any student publicly intoxicated will be in violation of this policy.
- The distribution of alcohol without a permit is unlawful and thus a violation of college policy. Any possession of alcohol in plain view or unattended and unsecured alcohol shall be considered distribution in violation of this policy. Alcohol left unattended and unsecured or in plain view may be confiscated. The college prohibits the possession of items that provide for common distribution of alcohol on or in college property and buildings located on the college's campus. Examples include, but are not limited to, kegs, pony kegs, party balls, and other forms of common supply. Such items may be confiscated by the college.

*Permission for certain legal alcohol use may be approved by the Office of the President.

**Marijuana**

No marijuana or marijuana-containing product may be used on campus, or in any vehicle owned, leased, or rented by the college. This includes eating, smoking, vaping or any other method of consumption.

**Illicit Drugs, or Non-Prescription Use of Drugs (Including Prescriptions Used in an Unauthorized Manner)**

Columbia Gorge Community College prohibits the use, possession, distribution, sale, manufacture, and delivery of illegal drugs, including the misuse of prescription medications, by members of its community. Illegal drugs, including prescription drugs for which the person does not have a valid prescription, and any drug prohibited by federal law, including marijuana, are subject to confiscation. Possession or use of a prescription drug by a person who does not have a valid prescription is also prohibited.

**Drug Paraphernalia**

Columbia Gorge Community College also prohibits the possession, sale, and distribution of drug paraphernalia. These items are strictly prohibited and are subject to confiscation. Violation of this policy will result in disciplinary action and students may also be subject to criminal prosecution and/or civil liability.

**Impaired Behavior**

Columbia Gorge Community College also prohibits behavior that is a direct result of drug consumption, use, or abuse. Any student found to be impaired by the use of drugs will be in violation of college policy. Information regarding a student's violation of the College's drug and alcohol policies may be released to that student's parent, if the student is under the age of 21.

**Drug and Alcohol Abuse Prevention Program (DAAPP)**

In compliance with the Drug-Free Schools and Communities Act and its 1989 Amendment, Columbia Gorge Community College is required to provide all students with specific information regarding the use of illegal drugs and the abuse of alcohol. This requirement is tied to the college's eligibility to receive federal financial aid funding.

CGCC provides students with an annual notification that includes the following:

- The health risks associated with alcohol and drug use in academic and workplace settings;
- The college's policy promoting a drug- and alcohol-free environment;
- Information about available counseling, treatment, or rehabilitation programs;
- A summary of legal sanctions and disciplinary actions that may result from violations.

This information is part of the college's commitment to maintaining a safe, healthy learning environment. The report is available by October 1st for the prior calendar year. Previous biennial reviews may be obtained from the college's website at https://wwwww.cgcc.edu/daapp. Paper copies are available upon request from Student Services.

## Hazing

In compliance with federal and state requirements, Columbia Gorge Community College prohibits hazing in all forms. Hazing is defined as any act that endangers the mental or physical health or safety of a student for the purpose of initiation, admission, affiliation, or continued membership in a group or organization.

All students, staff, and faculty are expected to uphold a safe, respectful, and inclusive learning environment. Hazing—whether occurring on or off campus—is strictly forbidden and may result in disciplinary action and legal consequences.

Each year, by October 1, CGCC will publish information on hazing incidents, if any, reported to the college. This report is part of our commitment to transparency and student safety and will be available at www.cgcc.edu/

# Live On Campus!

CGCC's residence hall, completed in 2021, offers students the opportunity to live on campus in the heart of the Columbia Gorge. Suites include two bedrooms accommodating up to four residents, a shared bathroom and living area, high-speed internet, and all utilities.


Chinook Residence Hall










Residents also have access to on-site laundry, a shared kitchen, quiet study spaces, and a lounge overlooking the Columbia River and the center of campus.

With affordable meal plan options and everything you need just steps from your classes, living on campus is an affordable and connected college experience.

*Reserve your spot at cgcc.edu/housing*

# Athletics

Columbia Gorge Community College proudly launched its Men's and Women's Cross Country teams in Fall 2024, marking a new chapter in student life and athletics. As the newest members of the Northwest Athletic Conference (NWAC), CGCC student-athletes now have the opportunity to compete in collegiate cross country meets across the Pacific Northwest.

The cross country program emphasizes teamwork, endurance, resilience, and academic achievement, offering student-athletes a balanced college experience rooted in personal growth and community connection.

## Program

NWAC Competition: Competes against two-year colleges from Oregon, Washington, and Idaho

**Inaugural Season: Fall 2024**

**First Meet: September 27, 2024**

**Season Length:**

August–November (including regional and championship meets)

**Training Grounds:**

Scenic routes in The Dalles and throughout the Columbia River Gorge, offering varied terrain and elevation

**Support:**

Academic advising, fitness resources, and experienced coaching focused on injury prevention and performance

**Eligibility:**

Participation is open to students enrolled in 12 or more credit hours per term. Athletes must meet NWAC eligibility standards, maintain academic progress, and commit to regular practices, team events, and meets.

**Why Join:**

- Represent CGCC in regional collegiate athletics
- Gain leadership and teamwork experience
- Access potential scholarships and transfer opportunities
- Develop discipline, goal-setting, and healthy habits
- Be part of a pioneering athletic legacy at CGCC

**How to Get Involved:**

New and returning students are encouraged to express interest by visiting cgcc.edu/athletics. Team recruitment, training sessions, and orientation events are held each summer in preparation for the fall season.


COLUMBIA GORGE
COMMUNITY COLLEGE

COLUMBIA GORGE
COMMUNITY COLLEGE

# ADDENDA

In this section, you will find useful information such as staff names, faculty names and academic credentials, college contact information, campus maps, and the academic calendar.

# Leadership & Staff

## Administration

**Dr. Kenneth Lawson | President**
Ph.D, Political Science, University of Washington
M.A., Political Science, University of Utah
B.S., Political Science, University of Utah

**Karly Nelson Aparicio | Vice-President of Student Services**
B.A., Political Science and Government, Oregon State University
M.A., Organization and Leadership, University of San Francisco

**Sue Davis | Executive Director of College Advancement and the Foundation**
M.P.A., Non-Profit/Public/Organizational Management, University of Washington
B.A., Comparative Literature, University of Washington

**Dr. Sam Draper | Vice President of Administrative Services**
J.D., Doctor of Law, The George Washington University National Law Center
M.B.A., Master of Business Administration, Utah State University
B.A., Economics, Colgate University

**Dr. Jarett Gilbert | Vice-President of Instructional Services**
Ed.D., Educational Leadership, George Fox University
M.A., Latin American and Caribbean Studies, New York University
B.A., Political Science and French, Franklin University Switzerland

**Ryan Brusco | Director of Advising and Student Services**
M.A., Education/Counseling & Student Personnel, San Jose University
B.A., Liberal Studies, Minor in Mathematics for K-8 Teacher, San Jose University
A.A., Liberal Arts, De Anza College

**Brenda Garcia Lua | Director of Human Resources**
A.A.S, Accounting, Portland Community College

**Catherine Graham | Registrar**
Secondary Social Studies Teaching Certification, Central Washington University
M.A,. History, Central Washington University

**Dr. Ezra C. Holston | Dean of Nursing and Health Occupations**
PhD, Research & Theory Development in Nursing Science & Electrophysiology, New York University
M.S.N., Psychiatric/Mental Health & Nurse Practitioner Program, Case Western Reserve University
R.N., Nursing Science, New England Baptist Hospital School of Nursing/Harvard University/Emmanuel College
B.A., English & French Literature, Cornell University

**Anne Kelly | Director of Pre-College and ESOL**
M.A., Masters of Teaching, Concordia University
B.A., Communication and Media Studies, Lewis & Clark College

## Board of Education

The CGCC Board of Education consists of seven members who are elected from the community college district. Three seats are reserved for Hood River County and four seats are reserved for Wasco County.

**Board Chairperson**

Nathanael Stice (Wasco Co)

**Hood River County**

OraLee Branch (Vice-Chair)
Laura de la Torre
Tom Arbogast

**Wasco County**

Lucille Begay
Jonathan Fost
Kim Morgan

**Susan Lewis | Dean of Teaching and Learning Foundations**
M.A., International Policy Studies, Monterey Institute of International Studies
B.A., Drama, University of California at Irvine

**Mike Moreno | Workforce Development & Community Engagement Director**
A.A.S., Fisheries, Mt. Hood Community College

**Noemi Ochoa | Child Care Partners Director**
A.S., Child Development & Early Education, Mt. Hood Community College

**Tom Penberthy | Director of Marketing & Communications**
M.B.A, Portland State University
B.A. Political Science, University of Oregon

**Greg Price | Small Business Development Center Director**
M.B.A, International Management, Portland State University

**Tiffany Prince | Director of Housing and Student Life & Director of Executive Services**
B.A., Political Science and Business Administration, Washington State University
A.A.S., Columbia Basin College

**Denise Reid Strachan | Director of Financial Aid**
M.S., Education, Le Moyne College
B.A., Psychology, Le Moyne College

**Dan Saldivar | Director of Facilities Services**

## Staff

**Ines Aguirre** | Facilities Services Technician

**Blanca Aunger** | Student Services Support Specialist

**Iris Banks** | Preschool Promise Coach/Quality Improvement Specialist

**Mirella Berrera-Betancourt** | Tutoring and Mentoring Services Coordinator

**James Beedie** | Instructional Assistant - Math Tutor

**Amanda Bernal** | Infrastructure Administrative Assistant

**Mavi Bonfil** | Facilities Services Technician

**Nida Bonfil** | Cafe Coordinator

**Natalie Bronson** | SBDC Advisor

**Rhianna Byrd** | Bilingual Professional Development Navigator

**Charlotte Cusack** | Academic Advisor

**Shayna Dahl** | Student Support Services Coordinator

**Josiah Dean** | SBDC Advisor

**Joyce Drzewiecki** | Accounts Receivable Coordinator

**Kat Dunbar** | Retail Operations Manager

**Devon Febbraio** | Child Care Professional Development Navigator

**Matt Fitzpatrick** | Youth Compass Advisor

**Jessica Griffin Conner** | Assistant Director of Student Outreach & Communications

**Brian Gross** | Facilities Services Technician

**Lindsay Hegemann** | Industrial Training and Assessment Center Coordinator

**Jeff Hollingsworth** | SBDC Advisor

**Tamara Huffman** | Food Services Manager

**Nicole Hughes** | Student Services Support Specialist

**Danny Jacobsen** | Library Assistant

**Angela Jones** | AHA Training Center Administrator

**Holly King** | Inclusive Partners Specialist

**Samantha Layna** | Child Care Partners Training Coordinator

**Maria Ledezma** | Accountant

**Heidi Leeson** | Executive Assistant

**Amanda Mailey** | SBDC Advisor

**Katy Martin** | Nursing and Health Occupations Administrative Assistant

**Brenda Massie** | Quality Improvement Coordinator

**Traci Miller** | Career Advisor–Title 1B, Adult Dislocated Worker Program

**Tony Morales** | Marketing Coordinator

**Lisa O'Connor** | Child Care Partners Preschool Promise Coach/Quality Improvement Specialist

**Amber Ortiz** | ESOL Instructional Assistant

**Angelina Piza** | Facilities Services Technician

**Gary Powers** | Facilities Services Technician

**Luis Preciado** | Step Coordinator

**Sarah Raymond** | Title II Data and Program Specialist

**Dezi Remington** | Academic and Career Coordinator

**June Rodriguez Sanchez** | Child Care Partners Administrative Assistant

**Emilie Sanchez Lopez** | Benefits Navigator

**Kasten Spethmann** | SBDC Advisor

**Korina Ta'ala** | WorkSource Benefits Navigator

**Sara Viemeister** | Financial Aid Coordinator

**Sara Wade** | Instructional Services Administrative Assistant

## Equal Opportunity and Non-Discrimination

It is the policy of Columbia Gorge Community College to not discriminate on the basis of sex in its educational programs, activities and employment as required by Title IX of the 1972 Educational Amendments. Students at Columbia Gorge Community College are protected from sex discrimination in all areas, including admission to programs; access to enrollment in courses; access to and use of school facilities, counseling and guidance materials, tests, and practices; vocational education; physical education; competitive athletics; graduation requirements; student rules, regulations and benefits; treatment as a married and/or pregnant student; financial assistance; school sponsored extracurricular activities; aid, benefits and services.

In addition, students are protected against all forms of sexual harassment as defined here. Unwelcome sexual advances, request for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when:

- Submission to such conduct is made, either explicitly or implicitly, a term or condition of employment, admission, or academic evaluation; or
- Submission to or rejection of such conduct by an individual is used as a basis for an employment decision or an academic evaluation affecting such individual; or
- Such conduct has the purpose or effect of unreasonably interfering with an individual's work performance, or creating an intimidating, hostile, or offensive working or learning environment. In addition, students are protected against all forms of sexual harassment as defined here.

Any person who believes he or she has been discriminated against or harassed by a College employee, representative or student is encouraged to file a complaint through the Harassment or Discrimination Grievances by speaking to the Title IX Coordinator.

Non-affirmative action complaints are to be filed in accordance with the Student Grievance Procedure or Complaint Form.

People having questions about equal opportunity and nondiscrimination should contact:

**Columbia Gorge Community College**
**ATTN: (fill in appropriate name from below)**
**400 East Scenic Drive**
**The Dalles, OR 97058**

Brenda Garcia Lua | Director of Human Resources
Office: Rm 2.138 Phone: (541) 506-6151

Karly Nelson Aparicio | Vice-President of Student Services
Office: Rm 3.223 Phone: (541) 506-6010

Jarett Gilbert | Vice-President of Instructional Services
Office: Rm 3.325 Phone: (541) 506-6030

# Faculty

**Adams, Mark | Business**
B.A., Economics, Vanderbilt University, TN
M.B.A., Indiana University, IN

**Adams, Therese | Emergency Medical Services, Health Education**
Paramedic Certificate, Clackamas Community College, OR

**Anderson, Elizabeth | Art**
B.F.A. Fine Arts (Graphic Design), Pacific Northwest College of Art, OR
Professional Artist

**Andree, Edward | Biology**
B.S. Health Sciences, Northern Illinois University, IL
M.S. Physical Therapy, Northern Illinois University, IL

**Aldrich, Tyson | Aviation Maintenance Technology**
Associates in Hotel and Restaurant Management City College of San Francisco
Airframe and Powerplant Mechanic Rating School of Missionary Aviation Technology ( A&P Rating )
Commercial Pilot Rating and Instrument Rating ( CPL SEL)
Certified Flight Instructor Rating ( CFI)

**Berry, Leslie | Anthropology**
B.A. Anthropology, Humboldt State University, CA
M.A. Equivalence in Anthropology, California State University at Hayward, CA
M.A. Education/Instructional Technology, San Jose State University, CA

**Booth, Kristen | Pre-College, Writing**
B.A. English, Washington State University, WA
M.A. English, Portland State University, OR

**Brackenbury, Franceina | College Guidance, Education, Reading**
B.A. Criminal Justice, Eastern Washington University, WA
M.Ed. Curriculum Design and Interdisciplinary in Spanish, Secondary Education Option, Montana State University, MT

**Brown, Catherine | English for Speakers of Other Languages**
B.S. Teaching, University of Michigan, MI
M.Ed. Curriculum & Instruction, California State University, CA

**Brown, Joel | Emergency Medical Technician**
EMT II, Portland Community College, OR
EMT III & IV (Paramedic)- Clackamas Community College, OR

**Brunton, Kalie | Electro-Mechanical Technology**
A.A.S. Renewable Energy Technology, Columbia Gorge Community College, OR

**Burkhart, Joyce | Medical Professions**
B.V.E. California State University Long Beach, CA
A.S. Radiologic Technology, Fullerton College, CA
ARRT Licensure, School of Radiologic Technology, CA
M.Ed. Higher Education and Leadership, Oregon State University, OR

**Burton, Julie | Biology, Environmental Science**
B.S. Microbiology, Weber State University, UT
Certificate of Graphic Design, University of California at Santa Cruz, CA
Post-Baccalaureate in Secondary Education, Arizona State University, AZ
M.S. Natural Science, Arizona State University, AZ

**Byers, Annette | Mathematics**
B.A. Psychology, University of Puget Sound, WA
Standard Oregon Teacher's Certificate, Portland State University, OR
M.S. Education, Eastern Oregon University, OR

**Capko, Penny | Early Childhood Education**
M.A. Education Special Education, Washington State University, WA
B.A. Arts, Elementary Education, Concordia College, OR
A.S.S. Early Childhood Education, Mt. Hood Community College, OR

**Changar, Daniel | Business**
A.S. General Studies, St. Louis Community College, MO
B.A. Management with an Emphasis in Marketing, Webster University, MO
M.B.A. Webster University, MO
M.S. Finance, Webster University, MO

**Chrisman, Andrea | Physical Education**
RYT-200 Certificate, Africa Yoga Project, NBO

**Cooley, Velvet | Early Childhood Education**
A.S. General Studies from Mt. Hood Community College
B.S. Social Science from Portland State University
M.Ed. Leadership from Concordia University
Ed.D. Teacher Leadership from Concordia University
Early Childhood Certificate from Portland State University

**Cucuel, Julie | Early Childhood Education**
A.G.S Early Childhood, Northland Pioneer College, AZ
A.A.S Northland Pioneer College, AZ
B.A. Elementary Education, Northern Arizona University, AZ
Oregon Elementary Educator Teaching License
Arizona Structured English Immersion Endorsement (ELL)
M.A. Educational Leadership, Northern Arizona University, AZ
Principal Certification, CO

**Davis, Mike | Business, Uncrewed Aircraft Systems**
PHD Aeronautical Engineering, University of Kansas
B.S. Electrical Engineering, Oregon Institute of Technology, OR
LL.M. Master of Law, University of Kansas, KS
FAA Commercial, Multi-Engine, Instrument Rated Pilot
FAA Safety Representative
FAA DronePro
APSA-NIST sUAS Proctor; Basic and Advanced

**Despain, Bryan | Aviation Maintenance Technology**
Airframe & Power Plant License, Colorado Aero Tech, CO

**Dodson, Chris | Advanced Manufacturing**
8 years CNC Production CAD/CAM Experience
Mitutoyo CMM Certification

**Dickinson, Joshua | English for Speakers of Other Languages**
MA Applied Linguistics, Portland State University, OR
BA Theater and Creative Writing, Bucknell University, PA

**Duckwall, Jessamyn | Writing**
MFA Creative Writing: Poetry, Portland State University
BFA Creative Writing: Poetry, Portland State University
Associate of Arts Oregon Transfer, Columbia Gorge Community College

**Eubanks, Zeke | Emergency Medical Technician**
National Outdoor Education & Adventure Education Certification

**Evans, John | Mathematics**
B.S. Physics, Washington State University, WA
M.S. Mathematics, Washington State University, WA

**Finnerty, Margaret | Business**
B.A. Economics, University of Massachusetts, MA
J.D. Law, University of Oregon, OR

**Gallagher, Heather | Business**
M.A. Business Administration, Western Governors University, UT
Washington State Career and Technical Education Certificate, OSPI
B.S. Business Administration, Accounting Concentration, Eastern Oregon University, OR

**Gardipee, Heather | Nursing**
B.A. Science in Nursing, Concordia University OR
B.A. Healthcare Administration Management, Trident University International, CA

**Gebhardt, Gretchen | Geology, General Science**
B.A. Geology, State University of New York at Geneseo, NY
M.S. Geology (Geohydrology), Portland State University, OR

**Hamilton, Katherine | Nursing**
B.A. Nursing, Washington State University, WA
A.A.S. Nursing, Lower Columbia College, WA

**Hancock, Leigh | English, Writing | Chair, Arts, Culture, & Communication**
B.A. English Literature, Reed College, OR
M.F.A. Fiction Writing, University of Virginia, VA

**Harrington, Janette | Pre-College**
B.S. Secondary Education, Southern Oregon University, OR
M.S. Special Education (Handicap Learner), Portland State University, OR

**Herlihy, Bernadine | Buisness & Computer Application**
M.A. Business Administration, Portland State University, OR
B.A. Anthropology, with English Minor, Portland State University, OR
A.A. Arts, Chemketa Community College, OR

**Herrada Nance, Jessie | English, Writing**
B.A. English and Communication Studies, St. Mary's University, TX
M.A. English Language and Literature/Letters, Texas State University, TX
Ph.D. English Language and Literature/Letters, University of Oregon, OR

**Holdiman, Amanda | Food and Nutrition**
B.A. Sociology & Women's Studies, Mills College, CA
MScN, National University of Natural Medicine, OR

**Kane, Kristen | Psychology**
B.A. English, University of Toronto, Canada
M.A. Psychology, Antioch University, WA

**Kempf, Raymond | Philosophy**
B.A. Literature, Washington State University, WA
M.A. Philosophy, Southern Illinois University at Carbondale, IL

**Kleemon, Jon | English for Speakers of Other Languages**
M.S. Education- Literacy and Learning, Lewis and Clark College, OR and Walden University MD
TESL Teaching License, Teacher Certification, Central Washington University, WA

**Koop, Pam (Morse) | Mathematics | Chair, Mathematics**
B.S. Applied Mathematics, University of Georgia, GA
B.S. Computer Science, University of Georgia, GA
M.S. Math Education, East Stroudsburg University, PA Pennsylvania
Secondary Education Teaching License Oregon
Secondary Education Teaching License

**Kovacich, Robert | Chemistry | Chair, Science**
B.S. Education (Chemistry), Kutztown University, PA
M.S. Chemistry, Oregon State University, OR

**Krummel, M.J. (Zip) | Psychology | Chair, Education & Social Sciences**
B.S. Education, Oregon State University, OR
M.Ed. Education, Oregon State University, OR
M.S. Counseling, Portland State University, OR
Ph.D. Counseling, Portland State University, OR
Ed.D. Special Education, Portland State University, OR

**Larson, Scott | Business**
B.S. Accounting, Westminster College, UT
M.Acc. Financial Reporting and Information Systems, University of Utah, UT

**LoMonaco, Andrea | Business, English, Writing**
A.G.S. General Studies (Horticulture), Mt. Hood Community College, OR
B.S. Liberal Studies, Eastern Oregon University, OR
M.A. English, Morehead State University, KY

**Losee, Tricia | Pre-College**
B.A. Business Administration, Eastern Oregon University, OR

**Martinez, Christina | Sociology**
B.A. Sociology, California State University, CA
M.A. Sociology, California State University, CA

**Malak, Amirra | Art**
BA in Visual Art: Painting Major, Central Washington University
MEd, Visual Art, Portland State University

**Meislahn, Todd | Business | Chair, Business**
B.S. Music and Business & Administrative Studies, Lewis & Clark College, OR

**Miller, Emilie | Biology**
B.A. Neuroscience and Biology, Macalester College, MN
Ph.D. Neuroscience, Oregon Health & Science University, OR

**Nelson, Gillian | Nursing**
M.A. Nursing, Grand Canyon University, AZ
B.A. Nursing, Linfield College, OR
A.A.S. Nursing, Columbia Gorge Community College, OR

**Ontiveros, Tina | Writing**
A.A. Oregon Transfer, Columbia Gorge Community College, OR
B.A. English Literature and Writing, Marylhurst University, OR
M.F.A. Creative Writing, Goddard College, VT

**Pentz, Miriam | Medical Assisting**
Medical Assisting Certificate, Columbia Gorge Community College, OR
A.G.S., Columbia Gorge Community College, OR

**Peterson, Luke | Art History**
B.A. Art, Oregon State University, OR
M.A. Art History, Freie Universität Berlin, Germany

**Pytel, James | Electro-Mechanical Technology | Chair, Technology & Trades**
B.S. Electrical Engineering, Clarkson University, NY
M.A. Computer Resource and Information Management, Webster University, MO

**Robles, Melissa | Nursing**
B.A. Nursing, Linfield College, OR
A.A.S. Nursing, Columbia Gorge Community College, OR

**Rojas, Thomas | Political Science**
Ph.D. The Fletcher School of Law & Diplomacy, Tufts University, Medford, MA
M.A. Law and Diplomacy Fletcher School of Law and Diplomacy, Tufts University, MA
M.S. Agriculture and Applied Economics, University of Wisconsin-Madision, Madison, WI
B.A. Economics and German Literature, Haverford College, Haverford, PA

**Saldivar-Witter, Deanna | Nursing**
A.A.S. Nursing, Columbia Gorge Community College, OR
B.S. Nursing, Western Governors University

**Sanchez Lopez, Bryan | Emergency Medical Technician**
A.A.S. Nursing, Columbia Gorge Community College, OR

**Schutt, Seri | Nursing**
B.A. Nursing, Linfield College, OR

**Shope, Debra | Early Childhood Education**
A.S. General Studies, Clark College, WA
B.S. Psychology, Washington State University, WA
M.A. Human Development, Pacific Oaks College, WA

**Shwiff, Stephen | Business, History**
B.A. History/Classics, University of Texas at Austin, TX
J.D. Law, Southern Methodist University, TX
M.A. Liberal Studies, Southern Methodist University, TX
M.A. History, University of Texas at San Antonio, TX

**Smith, Marin | English for Speakers of Other Languages**
B.A. English, Texas A&M University
M.A. English, California Polytechnic State University, San Luis Obispo
Teaching English as a Foreign Language Certificate, TEFL International, Kathmandu Nepal

**Spengler, Christopher | Electro-Mechanical Technology**
A.A.S. Renewable Energy Technology, Columbia Gorge Community College, OR
B.S. Diesel Power Technology, Oregon Institute of Technology, OR

**Stafford, Karen | Early Childhood Education**
B.A. Sociology, Bucknell University, PA
M.Ed. Early Childhood Curriculum and Instruction, Lesley University, MA

**Thessing, Renee | Pre-College**
M.Ed English Language Learning, Lipscomb University
B.A. English Literature, University of Illinois

**Thomas, Edward (Ed) | Agriculture Science & Technology**
B.S. Animal Science, University of California, Davis
M.A. Agriculture Science, Colorado State University

**Thorn, Carol | Nursing**
M.S. Nursing, University of Portland, OR
B.A. Nursing, University of Oregon Health Sciences Center

**Tuthill, Terri | Nursing**
A.A.S Nursing, Breckinridge School of Nursing
B.S. Nursing, Grand Canyon University, AZ

**Uto, Diane | Communications**
B.A. Journalism, University of Oregon, OR
M.A. International Studies, University of Oregon, OR
M.A. Speech Communications, Portland State University, OR

**Wagenblast, David | Economics**
B.S. Agricultural Engineering Technology, Oregon State University, OR
M.S. Agricultural and Resource Economics, International Marketing, Oregon State University, OR

**Webster, Mandy | Women & Gender Studies, Writing**
Reading Specialist, Portland State University, OR
B.A. English Literature, University of Colorado Boulder, CO
M.A. Education, University of Colorado Boulder, CO
M.A. English, National University, CA

**Wells-Clark, Robert | Manufacturing**
Various Process Certifications
Welding Certificate, Rogue Community College, OR
B.A. Political Science, University of Oregon, OR
M.A.T. Education, Lewis and Clark College, OR

**White, Lori | Nursing**
B.S. Nursing, Walla Walla University, WA
M.S. Nursing, Walden University, MN

**White, Shelley | Nursing**
Doctor of Nursing Practice, Texas A&M University, TX
M.S. Nursing, University of Texas Health Science Center
B.S. Indiana University/Purdue University, INA.A.S. Nursing, College of Lake County, IL

**Witt, Susan | Early Childhood Education**
B.A. Education, Sociology, Anthropology, Ohio Wesleyan University, OH
M.S.W. Social Work, University of Utah, UT
Licensed Clinical Social Worker/Certified Drug and Alcohol Counselor
Phase 1 Certification Neurosequential Model of Therapeutics
Certified Newborn Behavioral Observations System
Fellow, Napa Infant-Parent Mental Health, UC Davis

**Wolman, Abel | Mathematics**
B.A. Mathematics, Johns Hopkins University, MD
M.A. Mathematics, Johns Hopkins University, MD
Ph.D. Mathematics, Johns Hopkins University, MD

**Wood, Glenn | Construction Technology**
A.S. General Studies, Columbia Gorge Community College, OR
CTE Teaching Certificate, WA
Certified Carpenter/Cabinet Maker, Seattle Central Community College, WA

**Ziegner, Luis | English for Speakers of Other Languages**
B.A. Spanish Translation/Management, Brigham Young University, UT

## College Phone Numbers

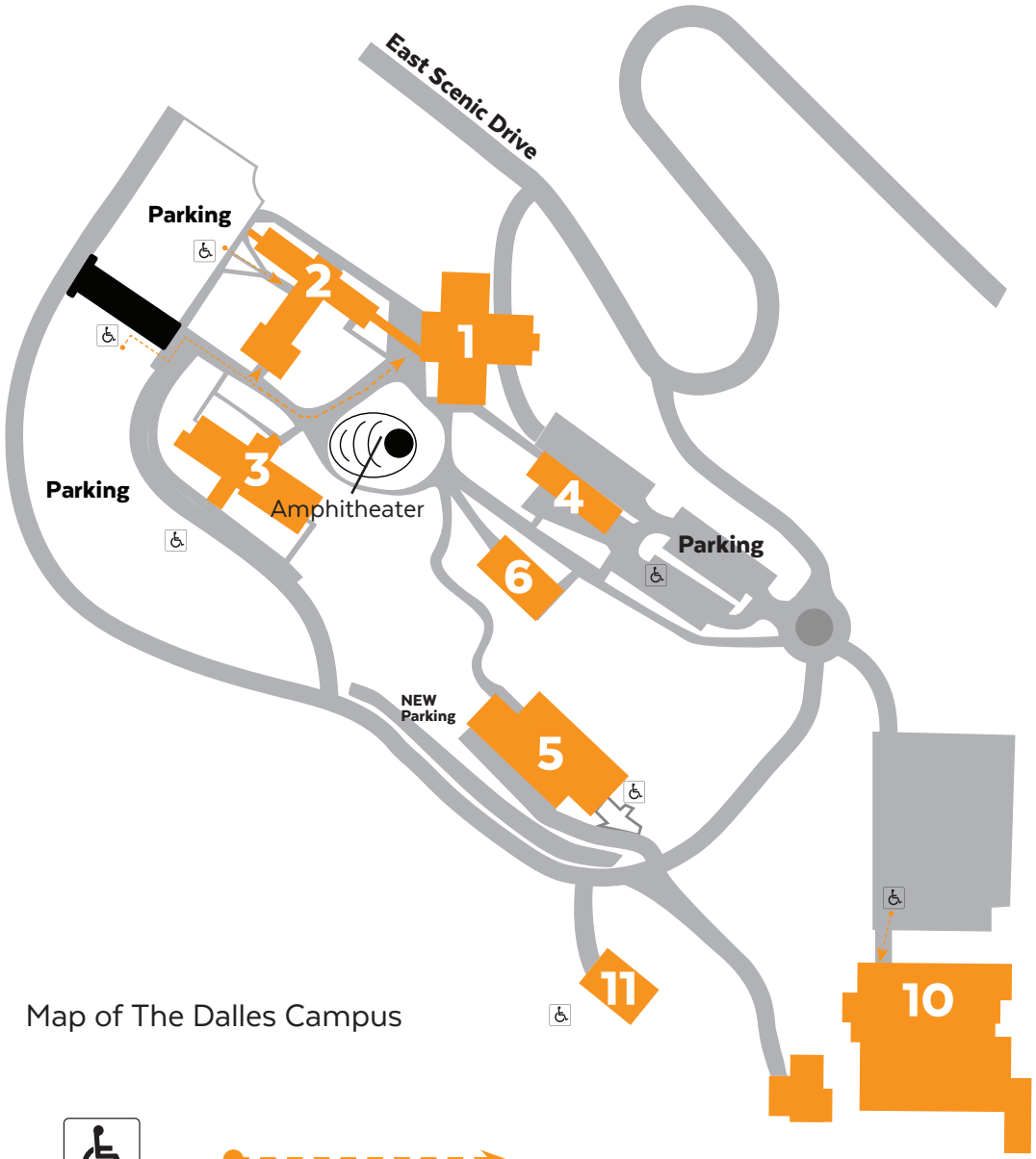
Business Office/Payments . . . . . (541) 506-6054
Campus Store (Bookstore) . . . . . (541) 506-6061
Child Care Partners . . . . . (541) 506-6131
Instructional Services . . . . . (541) 506-6037
Library . . . . . (541) 506-6081
Pre-College Programs (GED®, ESOL) . . . . . (541) 506-6041
Small Business Development Center (SBDC) . . . . . (541) 506-6121
Student Services (Advising, Financial Aid, Placement Testing, & Registration)
The Dalles . . . . . (541) 506-6011, Option 2

Assistance . . . . . 711 Relay
All Other Offices . . . . . (541) 506-6000

## College Addresses

The Dalles Campus
400 East Scenic Drive
The Dalles, OR 97058

Hood River Center
1730 College Way
Hood River, OR 97031




Map of The Dalles Campus

Accessible parking area

Accessibility route

## Building 1

Classrooms
Facilities Services
GED®/Pre-College
The Hook (CGCC cafe)
Library & Learning Commons
The Cove (Tutoring Lab)
Nursing Simulation Lab
Student Life Offices
Board Room

## Building 2 (Heath Hall)

Business Office (cashier)
Campus Store (Bookstore)
Child Care Partners
Columbia Gorge ESD
DEQ
OSU Extension Service
Small Business Development Center
Office of the President

## Building 3 (Health & Sciences Building)

Biology and Chemistry Labs
Classrooms
Information Technology Department
Instructional Services
Student Services
IT

## Building 4

Art Building
Chinook Campus Pantry (free food pantry)

## Building 5

Columbia Gorge Regional Skills Center

## Building 6

Student Residence Hall

## Building 10 (Fort Dalles Readiness and CGCC Workforce Center)

Classrooms
Em-Tech and Welding Labs

## Building 11

EM-Tech Labs

# Calendar

## 2026

May 2026
Summer and fall term registration begins . . . . . May 11 (Monday)

June 2026
Juneteenth Holiday Observed (College Closed) . . . . . June 19 (Friday)
Summer classes begin . . . . . June 22 (Monday)
Last day to drop summer classes with tuition refund* . . . . . June 26 (Friday, week 1)
Summer late fees begin . . . . . June 29 (Monday, week 2)

July 2026
Independence Day Holiday Observed (College Closed) . . . . . July 2 (Thursday)

August 2026
Last day to withdraw from summer classes* . . . . . August 14 (Friday, week 8)

September 2026
Labor Day Holiday (College Closed) . . . . . September 7 (Monday)
Summer term ends . . . . . September 4 (Friday)
Summer term grades submitted (no later than noon) . . . . . September 7 (Monday)
Summer grades available online . . . . . September 9 (Wednesday)
Faculty In-Service . . . . . September 14 (Monday)
Fall classes begin . . . . . September 21 (Monday)
Last day to drop fall classes with tuition refund* . . . . . September 25 (Friday, week 1)
Fall late fees begin . . . . . September 28 (Monday, week 2)

October 2026

November 2025
Winter term registration begins . . . . . November 9 (Wednesday)
Veterans Day Holiday (College Closed) . . . . . November 11 (Tuesday)
Last day to withdraw from fall classes* . . . . . November 13 (Friday, week 8)
Thanksgiving Holiday (College Closed) . . . . . November 26, 27 (Thursday & Friday)

December 2026
Fall term ends . . . . . December 4 (Friday)
Final grades submitted (no later than noon) . . . . . December 7 (Monday)
Fall grades available online . . . . . December 9 (Wednesday)
Winter Holiday (College Closed) . . . . . December 24-January 4

## 2027

January 2027
Winter classes begin . . . . . January 4 (Monday)
Last day to drop winter classes with tuition refund* . . . . . January 8 (Friday, week 1)
Winter late fees begin . . . . . January 11 (Monday, week 2)
Martin Luther King Jr. Holiday
& National Day of Service (College Closed) . . . . . January 18 (Monday)

February 2027
Spring term registration begins . . . . . February 16 (Monday)
Last day to withdraw from winter classes* . . . . . February 26 (Friday)

March 2027
Winter term ends . . . . . March 19 (Friday)
Final grades submitted (no later than noon) . . . . . March 22 (Monday)
Winter grades available online . . . . . March 24 (Wednesday)
Spring Break (College Services Open) . . . . . March 22-March 26
Spring classes begin . . . . . March 29 (Monday)

April 2027
Last day to drop spring classes with tuition refund* . . . . . April 2 (Friday, week 1)
Faculty in-service . . . . . April 9 (Friday week 2)
Spring late fees begin . . . . . April 5 (Monday, week 2)

May 2027
Last day to withdraw from spring classes* . . . . . May 21 (Friday, week 8)
Memorial Day Holiday (College Closed) . . . . . May 31 (Monday)

June 2027
Graduation & Commencement for Class of 2026 . . . . . June 11 (Friday)
Spring term ends . . . . . June 11 (Friday)
Final grades submitted (no later than noon) . . . . . June 14 (Monday)
Spring grades available online . . . . . June 16 (Wednesday)

**Drop and withdrawal dates vary for classes fewer than 8 weeks in length. Contact Student Services for specific dates for those classes.*