2024-2025

COLUMBIA GORGE
COMMUNITY COLLEGE

Catalog

2024-25 Catalog Errata

Page #	Program, Course or Topic Heading	Correction	Date of Correction
61	Nursing AAS Entry Requirements	Deadline for submitting program application material is ~~April 15~~ March 27, 2025, for fall term 2025 admission (see program website for more information and application packet).	10.2.24
132	Payments Past Due Accounts	Holds are placed on past due accounts, restricting future registration ~~and transcripts~~.	10.2.24

COLUMBIA GORGE
COMMUNITY COLLEGE

WELCOME TO CGCC

CGCC is a public two-year community college offering classes in both The Dalles and Hood River, Oregon, as well as online. Historically, our mission has been to build dreams and transform lives by providing lifelong educational programs that strengthen our community; and our vision has been to be the first option of choice for education and training services in the communities we serve.

Situated within the stunning Columbia River Gorge National Scenic Area, CGCC embraces the history of the region and celebrates the natural environment that is integral to life here in the Pacific Northwest. Respectfully, we acknowledge that the sacred land that we live and learn on today belongs to the Tribe(s), and we honor and acknowledge the traditional owners of this land we stand on. We recognize the Native American peoples' continuing connection to land, place, waters and community, and we pay our respects to their cultures, and those who have lived here past and present in time immemorial.

CGCC students represent a diversity of experience and embrace a wide variety of goals and interests. Our student body includes English language learners, GED® seekers, recent high school graduates, as well as those returning to college after pursuing individual life adventures. CGCC is proud to provide high-caliber instruction, offering small classes that allow for personalized attention, and many robust programs that lead not just to jobs, but to careers. In addition, through our Community Education Program, students of all ages and backgrounds can engage in professional development and personal, life-enriching classes.

Whether you want to take a course or two to update job skills, earn a short-term certificate or an Associate's degree to boost your career options, enter a program that prepares you for transfer to a four-year university and earning a Bachelor's degree, or learn how to throw clay on a wheel, we have opportunities for you.

READY TO LEARN MORE? READ ON!

5 REASONS TO CHOOSE CGCC

START HERE, GO ANYWHERE

Save money by starting at CGCC, then transfer the credits you earn here to any 4-year public or private school to finish your Bachelor's degree.

SPEND LESS, GET MORE

CGCC costs a fraction of the price of 4-year state or private schools, and our educators are top-notch. Why pay more at a big school when you can get a great education for less?

SMALL=GOOD

Don't get lost in the system! Being a small school means we know your name. With an average class size of 16 students, you're never just a number.

FINANCIAL SUPPORT

CGCC awards more than $3 million in financial assistance annually, including scholarships and grants that support students in achieving their educational goals.

LIVE HERE, LEARN HERE

The Columbia River Gorge s a great place to live while you learn! The Gorge has something for everyone: water, wind, sun, and snow – we have it all. And, with CGCC's affordable on-campus housing, you can have a real college experience.

A Welcome from President Lawson:

Dr. Kenneth Lawson, CGCC President

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

Dear CGCC Community,

As we embark on a new academic year, I am honored to welcome each of you to our vibrant community of learners and educators.

As a college community, we are committed to ensuring everyone throughout our region has an opportunity to pursue their educational aspirations, career ambitions, and personal dreams for themselves, their families, and their communities. Our commitment doesn't stop with making sure you can access programs and begin your studies; we are committed to supporting your learning and success so you leave with a completed credential or degree that will make a positive difference in your life. And, of course, when you thrive, our community thrives. These commitments are captured in our College Mission "to prioritize equitable access to education, empower students through learning, and drive inclusive prosperity throughout our community."

This past year, the college also adopted a set of Guiding Principles that define how we treat and interact with one another. I invite you to keep the following Guiding Principles in mind, not only as you pursue your educational goals or work with others at the college, but also as you carry yourself into our community and the broader world.

Open Communication means practicing transparent and honest communication. At CGCC, we value the exchange of ideas, evidence, and critical feedback that fosters trust and understanding among our community members. As we engage in dialogue and share our perspectives, we strengthen our connections and collectively work toward defining and realizing shared goals.

Respect means honoring the diversity of lived experience based on empathy and understanding. Members of our community bring unique perspectives shaped by their backgrounds, cultures, and experiences. Every conversation, interaction, and collaboration offers us an opportunity to practice respect. By respecting and valuing each other, we create a supportive and inclusive environment where everyone feels heard, valued, and empowered to succeed.

Integrity means maintaining a commitment to ethical conduct and accountability. Upholding integrity is fundamental to building trust and credibility within our community. We hold ourselves to high ethical standards, ensuring fairness, honesty, and responsibility in all our actions and decisions.

Collaboration means encouraging cooperation and shared problem-solving that draws from the richness of diverse experiences and perspectives. Education is not confined to classrooms; it is a lifelong journey of growth and empowerment, for us and for our students. We seek to empower our students with the knowledge, skills, and confidence to navigate a complex world with resilience and purpose, but also with the knowledge that they are connected to others and not alone.

Inclusion and equity mean creating an inclusive learning environment that welcomes diverse backgrounds and ensures access to resources and opportunities based on need. Our commitments to equitable access to, and outcomes in, education are unwavering. We recognize that barriers exist, and it is our collective responsibility to dismantle them to promote equity and success for all.

The poet Rainer Maria Rilke said, "The deepest secret is that life is not a process of discovery, but a process of creation. You are not discovering yourself, but creating yourself anew. Seek, therefore, not to find out Who You Are, but seek to determine Who You Want to Be."

As we commence this academic year, I invite each of you to embrace the spirit of creation. Let us engage in open dialogue, respect diverse viewpoints, act with integrity, collaborate across disciplines and backgrounds, and champion inclusivity and equity in every facet of our college community. Together, we have the power to shape a future that reflects our collective values and aspirations, and to determine who we want to be.

Welcome to CGCC.

Dr. Kenneth Lawson

President, Columbia Gorge Community College

About CGCC

History

CGCC was established in 1977 as the Wasco Area Education Service District. The college was renamed Treaty Oak Education Center, then Treaty Oak Community College, and in 1989, the college's board adopted Columbia Gorge Community College as the new name, recognizing the college's role as the only institution of higher education in the region.

Wasco County voters approved a bond measure to establish a permanent campus in The Dalles in 1993, and in 2001 voters in Wasco and Hood River counties approved annexing eastern and central Hood River County into the college district.

Columbia Gorge Community College was academically supervised by Portland Community College until 2013, when CGCC was granted independent accreditation by the Northwest Commission on Colleges and Universities.

For more college history, go to www.cgcc.edu/about

For more college history, go to www.cgcc.edu/about

Sanctuary Campus

Columbia Gorge Community College is a sanctuary college committed to the diversity of its student body and, as such, is committed to the protection of all of its students including undocumented student immigrants and students who qualify as Deferred Action on Childhood Arrivals (DACA). CGCC is committed to the safety and privacy of its students, and as a Sanctuary College bound by The Family Educational Rights and Privacy Act (FERPA), it will continue to protect all of its students in line with institutional policies, only releasing non-directory student information if served with a valid court order.

Hispanic-Serving Institution (HSI)

As a federally-designated Hispanic Serving Institution (HSI), CGCC is committed to serving the unique needs of this rapidly growing segment of the community through extended outreach and support systems, which, ultimately, benefit all our students.

Membership in the Hispanic Association of Colleges and Universities (HACU) gives CGCC access to professional development opportunities and a network of colleges around the world from which promising practices can be gleaned for the benefit of CGCC students. Additionally, membership in HACU affords CGCC students access to resources that can enhance their college experience, like paid internships, as well as additional financial support in the form of scholarships.

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.

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities 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. *(Cultural Awareness)*

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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Section 2: Course Descriptions

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GENERAL PROGRAM REQUIREMENTS

Columbia Gorge Community College confers seven associate degrees:

- Associate of Arts Oregon Transfer (AAOT)
- Associate of Arts Transfer (AAT)
- Associate of Science Oregon Transfer—Business (ASOT—BUS)
- 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. All of the degrees have some requirements in common.

Prerequisites, limits, and general degree requirements are listed in the following paragraphs.

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 121 or concurrent enrollment

Successful completion of any prerequisite requires passing with a "C" or better, or a "P." A grade of "D," "F," 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. regionally accredited institution: AA, AS, AGS, AAS, BA, BS and higher will have the basic competency in writing (WR 121) 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.* All degree candidates must accumulate at least 30 credits of satisfactory work at CGCC to establish residency. Non-traditional credit, credit transferred from another institution or challenge credit may not be used to establish residency.
- Twenty-four of the credits earned at CGCC must apply 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). In addition, repeated courses are only counted once in accumulated hour and point totals.
- No more than 12 credits of Cooperative Education courses may be used.
- No more than nine credits of experimental courses may be used (course numbers 199-199Z and 299-299Z).

- A maximum of 24 credits of "P" (pass) grades will apply to any degree. Specific AAS degrees that deviate from this maximum will state the degree maximum in the degree requirements for the specific AAS degree.
- 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.
- At least 12 credits must be earned at CGCC, eight of which must apply to the certificate requirements. The final eight credits must be earned at CGCC.
- A maximum of 12 credits of "P" (pass) grades will apply. Some certificate requirements may vary and will be listed in that specific certificate.
- No more than 12 credits of Cooperative Education courses may apply to any one-year certificate.
- Only nine credits of 199 and 299 experimental courses apply.

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.

- At least six credits must be earned at CGCC, all of which must apply to the certificate requirements.
- A maximum of eight credits of Pass/No Pass grades will apply. Specific less-than-one-year certificates that deviate from this maximum will state their Pass/No Pass maximum in the requirements for that specific certificate.
- Only nine credits of 199 and 299 experimental courses apply.

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. Many 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, ASOT–BUS, or ASOT–CS

** Does Not Meet Requirements for ASOT–BUS

\# 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 101*, 102*, 103* . . . . First Year Spanish
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
EC 200, 201, 202 . . . . .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 201 #, 202 #, 203 #. . . . . History of the U.S.
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 . . . . Human Development
PSY 216 . . . . Social Psychology
PSY 222 # . . . . Family & Intimate Relationships
PSY 231, 232 . . . . Human Sexuality
PSY 239 . . . . Introduction to Abnormal Psychology
SOC 204 # . . . . Sociology in Everyday Life
SOC 205 # . . . . Social Change in Societies
SOC 206 # . . . . 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 211, 212, 213 . . . . Principles of Biology
BI 231, 232, 233 . . . . Human Anatomy & Physiology I, II, III
BI 234 . . . . Microbiology
CH 100 . . . . .Everyday Chemistry with Lab
CH 121, 122, 123 . . . . .General Chemistry I, II, III
CH 221, 222, 223 . . . . .General Chemistry 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 251 **, 252 **, 253 ** . . . . Calculus I, II, III
STAT 243Z ** . . . . 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 201, 202, 203 . . . . History of the U.S.
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 204 . . . . .Sociology in Everyday Life
SOC 205 . . . . .Social Change in Societies
SOC 206 . . . . 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 8 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)
Cultural Literacy	3	See list of acceptable courses on pages 12-13. 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 8
- 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 12-13:

- 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 courses (pages 12-13)
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

Transfer Programs
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 13). 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.

MTMs Currently Offered

- **Associate of Arts Oregon Transfer (AAOT): Elementary Education (see page 54)**

- **Associate of Arts Transfer (AAT): English Literature (see page 23)**

- **Associate of Science Transfer (AST): Business (see page 36)**

- **Associate of Science Transfer (AST): Computer Science (see page 69)**

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.

Oregon
Transfer Compass

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 12-13 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 10 and meet all the degree-specific requirements listed here.

Associate of Science Degree Requirements

- Associate Degree Comprehensive Requirement Limits, see page 10.

General Education Requirements

All candidates must earn a minimum of 21 credits selected from the list of approved courses, pages 10-11. 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
General Education	21	See list of acceptable courses on pages 12-13. 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 10 and meet all the degree-specific requirements listed here.

General Studies Degree Requirements
- Associate Degree Comprehensive Requirement Limits, see page 10

General Education Requirements

Students must earn a minimum of 16 credits of General Education taken from the list of approved courses on pages 12-13. These credits must come from courses taken in the following disciplines:
- Arts & Letters
- Social Sciences
- Science, Mathematics, and Computer Science

The 16 credits must include at least one course with a minimum of three credits from each discipline.

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
General Education	16	See Electives List on pages 12-13.

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 10, and meet all the degree-specific requirements listed here.

Associate of Applied Science Degrees Offered At CGCC

Accounting 26-27
Administrative Professional 30-31
Advanced Manufacturing and Fabrication 72-73
Aviation Maintenance Technology 76-77
Construction Technology 84-85
Early Childhood Education 46-47
Electro-Mechanical Technology 88-89
Entrepreneurship/Business Management 38-39
Nursing 60-62
Paramedic. 64-65

Requirements for AAS

- Associate Degree Comprehensive Requirement Limits, see page 10.
- 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 earn a minimum of 16 credits of General Education taken from the list of approved courses on pages 12-13. These credits must come from courses taken in the following categories:
- Arts & Letters
- Social Sciences
- Science, Mathematics, and Computer Science

The 16 credits must include at least one course with a minimum of three credits from each category.

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	16	See Electives List on pages 12-13.

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

22
PACIFIC NORTHWEST COLLEGE OF ART (PNCA) ARTICULATION AGREEMENT

23
ASSOCIATE OF ARTS TRANSFER - ENGLISH LITERATURE

Transfer Agreement with
Pacific Northwest College of Art (PNCA)
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 90 credits of approved coursework at CGCC and interested in pursuing a four-year degree in the arts at PNCA.

This transfer pathway was designed for Studio Art majors. Design, Illustration, Animation, and Video/Sound majors may have additional 2nd year requirements. It is recommended that all students take courses related to expected major interest. Requirements can be waived by strength of portfolio upon review by Chair of 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.

Foundation Studio Requirements - 22 credits		
CAS 230	Design Principles	3 credits
CAS 108 and CAS 208	Beginning Photoshop and Intermediate Photoshop	7 credits
ART 230 and ART 232	Drawing I and Drawing II - Studio	6 credits
ART 252 and ART 254	Ceramics I and Ceramics II - Studio	6 credits
Liberal Arts Requirements - 24 credits		
WR 121Z	Composition I	4 credits
MTH 105Z	Math in Society (or any college level computer science, engineering course)	4 credits
	Any Social Science: Psychology, Sociology, Anthropology, History, Political Science, Philosophy, etc.	12 credits
	Any Physical/Biological Science: Biology, Chemistry, Oceanography, Geology, PHysics, Astronomy, etc.	4 credits
Art History - 8 credits		
ART 211	Modern Art History: 19th Century Art in Europe & America	4 credits
ART 212	Modern Art History: Early 20th Century Art	4 credits
Other Electives - 36 credits		
ART 102	Understanding the Visual Arts	4 credits
Any Studio Course AND Any Creative Writing Courses	**Any Studio Course:** ART 269 Printmaking I (3) ART 271 Printmaking II - Studio (3) ART 280 Painting Basics (3) ART 286 Watercolor I (3) ART 287 Watercolor II - Studio (3) WT 235 Graphic Design (4) **Any Creative Writing Courses:** WR 240 Creative Writing - Nonfiction(4) WR 241 Creative Writing - Fiction (4) WR 242 Creative Writing - Poetry (4) WR 244 Advanced Creative Writing - Fiction (4) WR 245 Advanced Creative Writing - Poetry (4) WR 246 Advanced Creative Writing - Editing and Publishing (4) WR 247 Advanced Creative Writing - Scriptwriting (4) WR 248 Advanced Creative Writing - Nonfiction (4) *PNCA will accept independent study studio courses	32 credits
	Credit Total	**90 credits**

The Associate of Arts Transfer – English Literature 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 Closely read and interpret diverse literary texts, using literary techniques, contextual information, scholarly research, personal engagement and/or theoretical lenses.

2 Critically analyze social and historical context, values and ethics expressed across diverse texts to better understand human behavior and engage more fully in local and global issues.

3 Effectively utilize strong writing skills including clear expression, organization, concision, and mechanics appropriate for the intended audience.

4 Locate, evaluate, and ethically utilize information to communicate effectively.

5 Critique the systems of power and privilege that have shaped literature and our relationship to those systems.

General Degree Requirements

Associate Degree Comprehensive Requirement Limits, see page 10

Associate of Arts Transfer
Associate of Arts Transfer-English Literature
90 credits

Core Transfer Map Requirements - 32 credits		
WR 121Z	Composition I	4 credits
MTH 105Z or higher	Math in Society	4 credits
	General Education Electives - Arts & Letters (200 level literature course, but not repeating ENG 253 or ENG 254)[1]	8 credits
	General Education Electives - Social Science[1]	8 credits
	General Education Electives - Lab Science biological and/or physical[1]	8 credits
[1] At least one Core Transfer Requirement course must also satisfy Cultural Literacy outcomes for the AAOT		
Major Requirements - 12 credits		
WR 122Z	Composition II	4 credits
ENG 253 or ENG 254	Survey of American Literature to 1865 or Survey of American Literature from 1865 to Present	4 credits
	General Education Elective - Arts & Letters (200 level literature course other than ENG 253 or ENG 254)	4 credits
Electives - 46 credits		
Highly Recommended: 2 years of Foreign Language or equivalent (24 credits)		
Complete additional electives to reach 90 credits total. See advisor to identify individual university requiements to aid in determining best choice of electives. Other recommended electives include: ● COMM 111Z or equivalent ● Philosophy courses ● Music or Theatre Appreciation courses ● U.S. History ● Biological or Physical Science		
	Credit Total	**90 credits**

CGCC is proud to play its part in connecting every type of student with educational opportunities and providing new pathways to success. Our interview with this charismatic and insightful student, Tanner Boudreau, highlights how CGCC helped him chart a new path when the one he was on didn't go where he wanted. You truly can start here and go anywhere.

When did you attend CGCC?
I attended CGCC from Fall of 2021 to the Spring of 2023.

How did your journey bring you to CGCC?
I got my Bachelors degree from University of Utah in Hotel and Resort Management. After about 5 years of customer service type jobs, I found the EM-Tech program and got inspired to try to become a wind turbine technician.

I was shocked at how cheap the program was compared to a university and how helpful the staff was at finding grants and scholarships for all the students. While I was in the EM-Tech program, I figured out I was most interested in starting a career as an electrician.

What stood out about your experience at CGCC?
The teachers in the EM-tech program are extremely knowledgeable about their subjects and helped prepare me for the start of a career in electro-mechanical technology. Jim Pytel's Youtube series "The Big Bad Tech" was very helpful because you could watch his entertaining lectures on repeat until you understood the content. Also, the mix of practical lab exercises helped show how all the math we were learning actually applied to the real world.

They also helped me look for jobs and let students know about job opportunities, which is also how I found out about the Electrical Apprentice job at The Dalles Dam I ended up getting.

Where are you now? Where do you see yourself in 5 years?
I now work for the US Army Corps of Engineers, and I enjoy the constant flow of working on different machines, problem solving, learning how electricity is made and distributed. I see myself working at The Dalles Dam in 5 years and probably much longer. There is so much opportunity to learn while also getting a sense of fulfillment at the end of the day. Never a dull moment.

What inspires you, and what advice would you give to current CGCC students?
My friends and family inspire me to become the best version of myself. My advice to current students is to learn as much as you can because it will pay off big when you finally get that dream interview and first job. Also don't be shy, there are tons of resources at CGCC and the staff there love to help, all you have to do is ask. They supported me with everything from food vouchers, gas cards, scholarships, and much more.

Just ask around and make friends!

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

26
ACCOUNTING

30
ADMINISTRATIVE PROFESSIONAL

35
BUSINESS MANAGEMENT/ ENTREPRENEURSHIP

42
WEB TECHNOLOGIES

Associate of Applied Science
Accounting
90 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: 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.

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	Beginning Keyboarding CAS 121, 3 cr	Beginning Spreadsheets Using Excel CAS 170, 3 cr	12-18 Credits
				OR	OR	
Winter	Introduction to Business Technology BA 131, 4 cr	Human Relations in Organizations BA 285, 3 cr	Beginning Databases CAS 140, 4 cr	Keyboarding for Speed and Accuracy[1] CAS 122, 3 cr	Intermediate Spreadsheets Using Excel CAS 270, 3 cr	Composition I WR 121 or WR 121Z, 4 cr — 15-21 Credits
Spring	Project Management Fundamentals BA 170, 4 cr	Business Communication BA 205, 4 cr	Principles of Managerial Accounting BA 213Z, 4 cr	General Education Elective, Science, Math or Computer Science 4 cr		16 Credits

Year Two

Fall	Introduction to Entrepreneurship BA 150, 4 cr	Introduction to Human Resource Management BA 224, 3 cr	10-Key for Business OS 131, 1 cr	General Education Elective: Arts & Letters 4 cr		12 Credits
Winter	Business Ethics BA 208, 4 cr	Business Law I BA 226, 4 cr	Principles of Economics: Microeconomics[1] EC 201, 4 cr			12 Credits
Spring	Management Fundamentals BA 206, 3 cr	Financial Management BA 222, 3 cr	QuickBooks for Business BA 228, 3 cr	Principles of Economics: Macroeconomics[1] EC 202, 4 cr	Records and Information Management OS 240, 4 cr	17 Credits

1 Fufills Social Science General Education elective.

Credit Summary	
Requirements	**Credits**
Business Administration (BA)	55
Computer Applications (CAS)	10
Economics (EC)	8
Office Systems (OS)	5
Writing (WR)	4
General Education Electives	8

Certificate
Accounting/Bookkeeping
48 credits

Career Description

The Accounting/Bookkeeping 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/Bookkeeping 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)	33
Computer Applications (CAS)	6
Office Systems (OS)	5
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 BA 101Z, 4 cr	Applied Business Math BA 104, 4 cr	Principles of Financial Accounting BA 211Z, 4 cr	Introduction to Human Resource Management BA 224, 3 cr	Beginning Keyboarding[1] CAS 121, 3 cr	Beginning Spreadsheets Using Excel CAS 170, 3 cr	10-Key for Business OS 131, 1 cr	16-22 Credits
					OR	OR		
Winter	Introduction to Business Technology BA 131, 4 cr	Human Relations in Organizations BA 285, 3 cr	Composition I WR 121 or WR 121Z, 4 cr		Keyboarding for Speed and Accuracy[1] CAS 122, 3 cr	Intermediate Spreadsheets Using Excel CAS 270, 3 cr		11-17 Credits
Spring	Project Management Fundamentals BA 170, 4 cr	Business Communication BA 205, 4 cr	QuickBooks for Business BA 228, 3 cr	Records and Information Management OS 240, 4 cr				15 Credits

1 Students who can touch type more than 40 words per minute should substitute an approved Accounting/Bookkeeping elective.

Career Pathway Certificate
Entry-Level Accounting Clerk
16 credits

Career Description

The Entry-Level Accounting Clerk certificate prepares students for an entry-level position in a bookkeeping or accounting department. Entry-level clerks 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 Entry-Level Accounting Clerk 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/Bookkeeping 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: 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.

Two Terms					
	Fall	Introduction to Business BA 101Z, 4 cr	Applied Business Math BA 104, 4 cr	Principles of Financial Accounting BA 211Z, 4 cr	12 Credits
	Winter	Introduction to Business Technology BA 131, 4 cr			4 Credits

Credit Summary

Requirements	Credits
Business Administration (BA)	16

Associate of Applied Science
Administrative Professional
104 credits

Career Description

An administrative professional possesses advanced knowledge of popular software applications and excellent communication and interpersonal skills. An administrative professional is prepared to make decisions, set priorities and establish work flow.

Course of Study

The program emphasis is on use of communications, business software, Internet and emerging technologies.

The Administrative Professional AAS degree is the parent degree for the Administrative Professional and the Digital Marketing Assistant certificates. All coursework within these certificates applies toward the completion of the AAS degree.

Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Degree Requirements.

Program Outcomes

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

1. Produce professional, error-free, timely documents by using current and emerging software and hardware technology.

2. Effectively communicate their own creative and critical ideas; respond effectively both verbally and in written format to the spoken, written, and visual ideas of others.

3. Use critical thinking, organization and problem solving to effectively manage numeric, alphabetic and digital data.

4. Assess and analyze new tasks to determine what computer technology should be utilized to effectively complete the tasks.

5. Establish and follow procedures to manage digital and hard copy office documents.

6. Apply planning and time management principles to accomplish workplace efficiency and achieve company objectives.

7. Perform general office tasks: plan and participate in meetings, coordinate travel arrangements, schedule appointments, greet clients/customers, and process mail.

8. Understand roles within teams, work units, departments, and organizations to identify the effect of systems on the activities of a business or an organization.

9. Exhibit people skills to deal effectively with a variety of personalities and diverse individuals.

Approved Electives

Administrative Professional Degree Electives

CG 209   Job Finding Skills 1

Any CAS/OS/WT course in addition to the required CAS/OS courses from the Administrative Professional degree or certificate.

Any BA course in addition to the required BA courses from the Administrative Professional certificate. May not include BA 131 if CAS 133 was taken.

For a list of courses, see course descriptions.

Prerequisites

Successful completion of IRW 115 or WR 115, or equivalent placement. Placement into MTH 65 or MTH 98. Keyboarding by touch or CAS 121.

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

Term						
Fall	Applied Business Math BA 104, 4 cr	10-Key for Business OS 131, 1 cr	Composition I WR 121 or WR 121Z, 4 cr	Administrative Professional Degree Elective 3 cr	General Education Elective 4 cr	16 Credits
Winter	Introduction to Business Technology BA 131, 4 cr	Human Relations in Organizations BA 285, 3 cr	Beginning Word CAS 216, 3 cr	Business Editing OS 220, 4 cr		14 Credits
Spring	Business Communication BA 205, 4 cr	Production Keyboarding CAS 123, 3 cr	Intermediate Word CAS 217, 3 cr	Records and Information Management OS 240, 4 cr		14 Credits
Summer	Beginning Algebra or Quantitative Math MTH 65 or MTH 98, 4 cr (or higher)	CE: Administrative Assistant OS 280F, 4 cr	CE: Administrative Assistant Seminar OS 280G, 1 cr	General Education Elective 4 cr		13 Credits

Year Two

Term						
Fall	Principles of Financial Accounting BA 211Z, 4 cr	Introduction to Google Drive CAS 134, 3 cr	Beginning Spreadsheets using Excel CAS 170, 3 cr	Administrative Professional Degree Elective 2 cr	General Education Elective 4 cr	16 Credits
Winter	Beginning Databases CAS 140, 4 cr	Administrative Professional Degree Electives 11 cr				15 Credits
Spring	Integrated Computer Projects CAS 246, 4 cr	Office Systems and Procedures OS 245, 4 cr	Administrative Professional Degree Electives 4 cr	General Education Elective 4 cr		16 Credits

Credit Summary

Requirements	Credits
Computer Applications (CAS)	23
Office Systems (OS)	18
Business Administration (BA)	19
Mathematics (MTH)	4
Writing (WR)	4
Administrative Professional Degree Electives	20
General Education Electives	16

Certificate
Administrative Professional
49 credits

Career Description

The Administrative Professional certificate is intended to meet business career needs for entry-level administrative assistants, secretaries, receptionists, file clerks and data entry personnel. Workers in these positions may perform a wide variety of duties such as working with modern office technology to produce and file business documents, greeting the public, planning and scheduling, accounting and creating web pages.

Program Outcomes

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

1 Perform basic entry-level office work.

2 Effectively use written, oral, and visual communications skills.

3 Use current and emerging technologies to solve workplace problems through presentation, research, analysis, and synthesis.

4 Demonstrate professional and friendly behavior in the workplace.

5 Apply basic mathematical equations to relevant office tasks.

Course of Study

The program emphasis is on use of computers, document preparation and editing, filing, and use of the Internet.

The Administrative Professional certificate is wholly conatined within the Administrative Professional Associate of Applied Science degree, and, as such, all course work may be applied to completion of the AAS degree.

Students must also meet general certificate requirements.

Approved Electives

Administrative Professional Certificate Electives

May take any CAS/OS/WT course in addition to the required CAS/OS courses from the Administrative Professional certificate.

Prerequisites

Successful completion of IRW 115 or WR 115, or equivalent placement; placement into MTH 65 or MTH 98; keyboarding by touch or CAS 121.

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	Applied Business Math BA 104, 4 cr	Principles of Financial Accounting BA 211Z, 4 cr	Beginning Spreadsheets Using Excel CAS 170, 3 cr	10-Key for Business OS 131, 1 cr	Composition I WR 121 or WR 121Z , 4 cr	16 Credits
Winter	Introduction to Business Technology BA 131, 4 cr	Human Relations in Organizations BA 285, 3 cr	Beginning Word CAS 216, 3 cr	Business Editing OS 220, 4 cr	Administrative Professional Certificate Elective 4 cr	18 Credits
Spring	Business Communication BA 205, 4 cr	Production Keyboarding CAS 123, 3 cr	Records and Information Management OS 240, 4 cr	Office Systems & Procedures OS 245, 4 cr		15 Credits

Credit Summary

Requirements	Credits
Computer Applications (CAS)	9
Business Administration (BA)	19
Administrative Professional Certificate Electives	4
Office Systems (OS)	13
Writing (WR)	4

Career Pathway Certificate
Digital Marketing Assistant
19 credits

Prerequisites

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.

Three Terms			
Fall	Beginning Photoshop CAS 108, 3 cr	Writing for the Web WT 105, 3 cr	6 Credits
Winter	Intermediate Photoshop CAS 208, 4 cr	Desktop Publishing CAS 231, 3 cr	7 Credits
Spring	Social Media Marketing WT 102, 3 cr	Digital Marketing Strategies WT 181, 3 cr	6 Credits

Credit Summary

Requirements	Credits
Computer Applications (CAS)	10
Web Technologies (WT)	9

Career Description

The Digital Marketing Assistant certificate is designed to add value to the Administrative Professional certificate or degree. Job activities could include assisting in the research of market conditions or gathering information to determine potential sales of products or services. Students completing this certificate can find jobs at small businesses or start-up companies.

Course of Study

This career pathway certificate can serve as a first step for students interested in pursuing a college credential and can put them on a path for earning more advanced certificates and degrees. It is also a value-added credential to CGCC's Administrative Assistant one-year certificate or AAS degree.

Program Outcomes

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

1. Apply digital marketing concepts and skills in a business environment.

2. Write social media and web page content that aligns with legal guidelines and best practices.

3. Create and execute a digital marketing plan.

Associate of Science Oregon Transfer
Business
90 credit minimum

The Associate of Science Oregon Transfer—Business (ASOT—BUS) degree is designed for students planning to transfer credits to any Oregon public university, and seek entry into that institution's business school program. Students completing the ASOT—BUS degree will have met the lower-division general education requirements of the institution's baccalaureate degree programs. Students transferring will have junior status for registration purposes.

Admission to the business school program of a public university is not guaranteed upon completion of the ASOT—BUS. It is strongly recommended that students contact the business school program of the school they intend to transfer to early in the first term of their ASOT—BUS program to be advised of additional requirements. Students should also meet with a CGCC Academic advisor.

Candidates for the ASOT—BUS must satisfy the General Education Requirements and Associate Degree Comprehensive Requirement Limits as established on page 10 and meet all the degree-specific requirements listed here.

Degree-Specific Requirements
- Associate Degree Comprehensive Requirement Limits, see page 10.
- Each course must be completed with a "C" or better.
- BA 101, 131, 211, 213 and 226. BA 226 may be replaced by any other faculty-approved 200-level BA course.
- A minimum of 20 BA credits are required for the ASOT—BUS degree.

General Education Requirements
Students must complete at least 11 discipline studies courses from the General Education Electives List on pages 12-13. All courses in discipline studies must be a minimum of three credits. A course may count towards foundational requirements or discipline studies, but not both.
- Arts & Letters: complete three courses from at least two disciplines.
- Social Sciences: Complete four courses from at least two disciplines; two courses must be microeconomics and macroeconomics.
- Science, Mathematics, and Computer Science: Complete four courses from at least two subject areas (including three laboratory courses in biological and/or physical science).
- Cultural Literacy: Select one course from any course designated as meeting the cultural literacy requirement on pages 10-11. This course may be one of the required discipline studies courses.

Elective Credit Requirements
- All candidates must complete additional elective or university specific prerequisite courses for a minimum of 90 credits. Elective courses may be any number of credits.
- A maximum of 12 credits of CTE courses may be applied (may not include the career technical required coursework in the degree).
- A maximum of three credits of physical education (PE) may be applied to this degree.

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.
Mathematics	12	A minimum of three courses MTH 111Z or higher for which Intermediate Algebra is a prerequisite. One course must be Statistics.
Oral Communications	4	COMM 111Z, 140, 215, 218Z
Computer Applications	8	BA 131 and (CAS 140; or CAS 109 and [CAS 170 or 270]).

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. Employ critical thinking skills through the application of problem-solving methods in business contexts.

2. Leverage technology to support the requirements of various business operations.

3. Exhibit a comprehensive understanding of fundamental accounting concepts.

General Degree Requirements

- Associate Degree Comprehensive Requirement Limits, see page 10.

Program Prerequisites

- MTH 95 Intermediate Algebra (4 credits) or equivalent placement

- IRW 115 Critical Reading and Writing (5 credits) or WR 115 Intro to Expository Writing (4 credits) or equivalent placement

Track A: EOU, PSU, SOU, OIT		
Core Transfer Map Requirements - 32 -34 credits		
WR 121Z	Composition I	4 credits
MTH 111Z	Precalculus I: Functions	4 credits
EC 201	Principles of Economics: Microeconomics	4 credits
EC 202	Principles of Economics: Macroeconomics	4 credits
	General Education Electives - Arts & Letters [1,2]	8 credits
	General Education Elective – Natural Sciences - Select two lab science courses[1]	8-10 credits
[1] Must use AAOT approved courses		
[2] At least one Core Transfer Requirement course must also satisfy Cultural Literacy outcomes for the AAOT		
Major Requirements - 40-41 credits		
WR 227Z	Technical Writing	4 credits
STAT 243Z	Elementary Statistics I	4 credits
STAT 244	Statistics II	4 credits
COMM 111Z	Public Speaking	4 credits
	General Education Elective – Natural Sciences - Select one lab science course[1]	4-5 credits
BA 131	Introduction to Business Technology	4 credits
BA 101Z	Introduction to Business	4 credits
BA 211Z	Principles of Financial Accounting	4 credits
BA 213Z	Principles of Managerial Accounting	4 credits
BA 226	Business Law I	4 credits
Electives - 18-20 credits to fullfill 90 total credits		
Varied (must be college level - 100 or above)		
Work closely with a Business Advisor to select courses that will help you fulfill any remaining degree requirements. It is VITAL that you work with an Advisor at your current school to plan your needed courses for the university you wish to attend, as the transfer of course credits varies from one university to another. This list does not guarantee acceptance as a general education or business elective courses by the university you plan to attend.		
No greater than 12 credits of CTE shall comprise the courses for the MTM.		
No greater than 3 credits of PE shall comprise the courses for the MTM.		
Course grades must be "C" grade or better.		
Additionally, pick from the following suggested course categories (20-22 credits) which may be General Education and/or lower division Business Electives at the university you wish to attend. (It is VITAL that you work with an Advisor):		

Arts & Letters (3-4 credits per class):	Social Science (3-4 credits per class):	Science (3-4 credits per class):	Business Courses (3-4 credits per class) if offered:
• Business Ethics • Art History • Intercultural • Communication • Philosophy • Music/Theater • Literacy • World Literature • Writing	• Anthropology • Geography • Psychology (social/cognitive) • Sociology (cultural/social change/diversity) • US Government, Politics & History • Global Civilization • Women's Studies	• Global Ecology & Conservation	*Depending on the area you wish to focus on in Business, one or more business elective(s) may be appropriate. Speak to your advisor for guidance.*

			Credit Total	**90 credits**

Associate of Applied Science
Entrepreneurship/Business Management
93 credits

Career Description

The Associate of Applied Science in Entrepreneurship/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 Entrepreneurship/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 10. 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 IRW 115 or WR 115, or equivalent placement. Placement into MTH 65 or MTH 98. Keyboarding by touch or CAS 121.

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	Introduction to Entrepreneurship BA 150, 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 121 or WR 121Z, 4 cr		15 Credits
	Spring	Project Management Fundamentals BA 170, 4 cr	Business Communication BA 205, 4 cr	Management Fundamentals BA 206, 3 cr	Principles of Marketing BA 223, 4 cr	Introduction to Entrepreneurship Law BA 225, 4 cr	19 Credits
Year Two	Fall	Introduction to E-Commerce BA 207, 4 cr	Introduction to Human Resource Management BA 224, 3 cr	Beginning Spreadsheets Using Excel CAS 170, 3 cr	General Education Elective: Math, Science, or Computer Science 4 cr		14 Credits
	Winter	Business Law I BA 226, 4 cr	Beginning Databases CAS 140, 4 cr	Principles of Economics: Microeconomics[1] EC 201, 4 cr	General Education Elective: Arts & Letters 4 cr		16 Credits
	Spring	Principles of Managerial Accounting BA 213Z, 4 cr	Financial Management BA 222, 3 cr	Entrepreneurship Capstone —Year Two BA 296, 2 cr	Principles of Economics: Macroeconomics[1] EC 202, 4 cr		13 Credits

1 Fulfils a Social Science General Education Elective

Credit Summary

Requirements	Credits
Business Administration (BA)	66
Economics (EC)	8
Writing (WR)	4
Computer Application Systems (CAS)	7
General Education Electives	8

Certificate
Entrepreneurship
50 credits

Career Description

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

Students must also meet the General Certificate Requirements (page 10).

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 Evaluate the legal environment for business and what legal steps business owners can help protect their investment/business.

5 Establish a plan to manage employee and other business related items.

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 Program						
Fall	Introduction to Business BA 101Z, 4 cr	Applied Business Math BA 104, 4 cr	Principles of Financial Accounting BA 211Z, 4 cr	Introduction to Entrepreneurship BA 150, 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 121 or WR 121Z, 4 cr		15 Credits
Spring	Project Management Fundamentals BA 170, 4 cr	Business Communication BA 205, 4 cr	Management Fundamentals BA 206, 3 cr	Principles of Marketing BA 223, 4 cr	Introduction to Entrepreneurship Law BA 225, 4 cr	19 Credits

Credit Summary

Requirements	Credits
Business Administration (BA)	46
Writing (WR)	4

Certificate
Web Design Assistant
39 credits

Career Description

The Web Design Assistant provides foundational training in the principles of web design and the creation of computer graphics. This one-year certificate is designed to prepare students in entry-level web site design duties such as the design, creation and modification of graphics. Students are prepared to assist web designers with editing graphics on existing web pages and creating or designing graphics for specific customer web pages.

Program Outcomes

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

1 Provide basic design support for existing websites in the workplace

2 Be prepared for entry-level jobs in the area of web design

3 Apply website design skills in a business environment to assist in the creation and maintenance of websites following current professional and/or industry standards.

4 Use critical thinking skills to identify key web design issues.

Course of Study

The Web Design Assistant is a stand-alone certificate; however, it is closely related to and shares several courses with the Web Development Assistant certificate. Upon completion of either certificate, students may choose to complete the other certificate by taking five additional required courses, preparing them to perform the tasks of a well-rounded web assistant versed in both development and design. Students must also meet General Certificate requirements (see page 10).

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	Beginning Photoshop CAS 108, 3 cr	Introduction to Web Design & Development WT 101, 1 cr	Social Media Marketing WT 102, 3 cr	Writing for the Web WT 105, 3 cr	Intro to HTML for Designers WT 106, 2 cr		12 Credits
Winter	Web Content Management CAS 181, 3 cr	Design Principles CAS 230, 3 cr	Desktop Publishing CAS 231, 3 cr	Job Finding Skills CG 209, 1 cr	Computer Concepts I CIS 120, 4 cr	Web Trends WT 200, 1 cr	15 Credits
Spring	Introduction to E-Commerce BA 207, 4 cr	Intermediate Photoshop CAS 208, 4 cr	Graphic Design WT 235, 4 cr				12 Credits

Credit Summary

Requirements	Credits
Computer Applications (CAS)	16
Web Technologies (WT)	14
Computer Information Systems (CIS)	4
Business Administration (BA)	4
College Guidance & Success (CG)	1

NOTICE: This certificate will be under review during the 2024-25 academic year. This review may result in significant changes or termination of the certificate and/or its courses in 2025-26. Please consult with your academic advisor for current information on certificate status and impact for students.

Certificate
Web Development Assistant
40 credits

Career Description

The Web Development Assistant less-than-one-year certificate provides training for entry-level positions in web site development and maintenance for businesses. A web development assistant is trained to understand the essential functioning of the Internet, the basic tools needed to develop and manipulate web pages, such as competence with HTML and Cascading Style Sheets. Web development assistants will also understand other common web-related tools, such as PHP, search engine optimization, various Java tools, and database manipulation using SQL.

Program Outcomes

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

1. Provide basic support for existing websites in the workplace.

2. Be prepared for entry-level jobs in the area of web development.

3. Work in the role of web development administrative support or as an entrepreneur to develop and manage departmental and personal websites.

4. Assist website developers in creating and maintaining websites.

5. Use critical thinking skills to identify key web development issues.

6. Apply website development skills in a business environment to assist in the creation and maintenance of websites following current professional and/or industry standards.

Course of Study

The Web Development Assistant is a stand-alone certificate; however, it is closely related to and shares several courses with the Web Design Assistant certificate. Upon completion of either certificate, students may choose to complete the other certificate by taking five additional required courses, preparing them to perform the tasks of a well-rounded web assistant versed in both development and design. Students must also meet General Certificate requirements (see page 10).

Credit Summary

Requirements	Credits
Computer Applications (CAS)	9
Web Technologies (WT)	26
Business Administration (BA)	4
College Guidance & Success (CG)	1

NOTICE: This certificate will be under review during the 2024-25 academic year. This review may result in significant changes or termination of the certificate and/or its courses in 2025-26.
Please consult with your academic advisor for current information on certificate status and impact for students.

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	Beginning Photoshop CAS 108, 3 cr	Introduction to Web Design & Development WT 101, 1 cr	Social Media Marketing WT 102, 3 cr	Writing for the Web WT 105, 3 cr	Web Design with HTML WT 206, 4 cr	14 Credits
Winter	Web Content Management CAS 181, 3 cr	Design Principles CAS 230, 3 cr	Job Finding Skills CG 209, 1 cr	Web Trends WT 200, 1 cr	Cascading Style Sheets WT 213, 4 cr	12 Credits
Spring	Introduction to E-Commerce BA 207, 4 cr	Search Engine Optimization WT 180, 2 cr	JavaScript and jQuery WT 215, 4 cr	Database Theory and MySQL WT 225, 4 cr		14 Credits

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

45
EARLY CHILDHOOD
EDUCATION

54
ELEMENTARY
EDUCATION

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 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

CAS 109   Digital Presentation 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 (IRW 115 or 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

Term						Credits
Fall	Exploring the ECE Field ECE 101, 1 cr	Introduction to Early Childhood Education ECE 120, 3 cr	Early Childhood Development: Birth to Age 8 ECE 126, 3 cr	Children's Health, Nutrition, & Safety HE 262, 3 cr	College Survival and Success: Personal Responsibility CG 101, 1 cr	Introduction to Expository Writing WR 115, 4 cr (or higher)	15 Credits
Winter	Guidance and Classroom Management: Birth to Age 8 ECE 121, 3 cr	Environments & Curriculum: Birth to Age 8 ECE 122, 4 cr	Practicum Orientation ECE 130A, 2 cr	Inclusion of Children with Special Needs ECE 234, 3 cr	First Aid & CPR/AED/ Professional Rescuers/ Healthcare Providers[1] HE 113, 1 cr	ECE Electives 2 cr	15 Credits
Spring	Anti-Bias Practices ECE 124, 3 cr	Professionalism & Advocacy ECE 200, 3 cr	Art, Music & Movement: Birth to Age 8 ECE 235, 3 cr	Language & Literacy in Early Childhood Education ECE 236, 3 cr	Family-Teacher Partnerships and Community Connections HEC 201, 3 cr		15 Credits
Summer	Practicum Seminar 1 ECE 130B, 1 cr	Practicum 1 ECE 134, 2 cr	Observation, Documentation & Assessment ECE 221, 3 cr	Composition I WR 121 or WR 121Z, 4 cr (or higher)			10 Credits

Year Two

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

Year One						
Fall	Exploring the ECE Field ECE 101, 1 cr	Introduction to Early Childhood Education ECE 120, 3 cr	Early Childhood Development: Birth to Age 8 ECE 126, 3 cr	College Survival and Success: Personal Responsibility CG 101, 1 cr	First Aid and CPR/AED Professional Rescuers/ Healthcare Providers[1] HE 113, 1 cr	9 Credits
Winter	Guidance & Classroom Management: Birth to Age 8 ECE 121, 3 cr	Environments & Curriculum: Birth to Age 8 ECE 122, 4 cr	Practicum Orientation ECE 130A, 2 cr			9 Credits
Spring	Anti-Bias Practices ECE 124, 3 cr	Professionalism & Advocacy ECE 200, 3 cr	Family-Teacher Partnerships and Community Connections HEC 201, 3 cr			9 Credits
Summer	Observation, Documentation & Assessment ECE 221, 3 cr	Practicum Seminar 1 ECE 130B, 1 cr	Practicum 1 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 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 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 IRW 115 or 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	Early Childhood Development: Birth to Age 8 ECE 126, 3 cr	Children's Health, Nutrition & Safety or Resilience & Wellness for Educators HE 262 or ECE 222, 3 cr	College Survival and Success: Personal Responsibility CG 101, 1 cr	7 Credits
Winter	Inclusion of Children with Special Needs or Supporting Dual Language Learners: Birth to Age 8 ECE 234 or ECE 223, 3 cr	Introduction to Expository Writing WR 115, 4 cr (or higher)	ECE Electives 3 cr	10 Credits
Spring	Art, Music & Movement: Birth to Age 8 or Trauma-Informed Care and Education: Birth to Age 8 ECE 235 or ECE 237, 3 cr	Language and Literacy in Early Childhood Education or S.T.E.A.M.: Birth to Age 8 ECE 236 or ECE 232, 3cr		6 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
Initial Early Childhood Education
12 credits

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.)

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.

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.

Prerequisites
Placement into IRW 115 or WR 115

Year One			
	Fall	Early Childhood Development: Birth to Age 8 ECE 126, 3 cr	3 Credits
	Winter	Guidance & Classroom Management: Birth to Age 8 ECE 121, 3 cr	3 Credits
	Spring	Family-Teacher Partnerships and Community Connections HEC 201, 3 cr	3 Credits
	Summer	Observation, Documentation & Assessment ECE 221, 3 cr	3 Credits

Credit Summary	
Requirements	**Credits**
Early Childhood Education (ECE)	9
Consumer & Family Studies (HEC)	3

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.

General Degree Requirements

Associate Degree Comprehensive Requirement Limits, see page 10

Program Prerequisites

- MTH 95 Intermediate Algebra (4 credits) or MTH 98 Quantitative Math (4 credits) or equivalent placement
- IRW 115 Critical Reading and Writing (5 credits) or WR 115 Introduction to Expository Writing (4 credits) or equivalent placement

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.

Core Transfer Map Requirements - 32-34 credits		
WR 121Z	Composition I	4 credits
MTH 211	Foundations of Elementary Math I	4 credits
ENG 104, ENG 105 or ENG 106	Introduction to Literature – Fiction or Drama or Poetry	4 credits
ART 230 or CAS 230	Drawing I or Drawing Principles	4 credits
HST 201, 202 or 203	History of the United States[1]	4 credits
ATH 103	Introduction to Culturl Anthropology[1]	4 credits
	General Education Electives - Natural Sciences - Select two lab science courses (one biological and one earth science)	8 credits
[1] Satisfies Cultural Literacy Outcomes for the AAOT		

Additional General Education Requirements - 30-31 credits		
WR 122Z	Composition II	4 credits
MTH 212	Foundations of Elementary Math II	4 credits
MTH 213	Foundations of Elementary Math III	4 credits
COMM 111Z	Public Speaking	4 credits
	General Education Elective – Arts & Letters[2]	3-4 credits
	General Education Elective – Natural Sciences with lab[2]	4 credits
PS 201 or PS 202	US Government	4 credits
PSY 201Z or PSY 202Z	Introduction to Psychology	4 credits
HPE 295	Health and Fitness for Life	3 credits
[2] Must satisfy AAOT outcomes		
Education Courses - 16 credits		
ED 216	Purpose, Structure, & Function of Education in a Democracy	3 credits
HEC 226	Child Development	4 credits
ED 219	Civil Rights & Multicultural Issues in Educational Settings	3 credits
ECE 234	Inclusion of Children with Special Needs	3 credits
ED 293	Elementary Educator Practicum	1 credit
ED 294	Education Practicum Seminar	2 credits
Electives - 9-12 credits to fulfill 90 credits total		
ED 101	Teachers make a Difference: Exploring the K-5 Classroom	1 credit

Recommended Electives by University		
4-Year Licensure Programs	SOU: 4 Year Licensure & Non-Licensure	Recommended: • WR 213 • Early Childhood Ed. Courses • Children's Literature
	WOU: 4 Year Licensure	Recommended: • Children's Literature counts as ED 230 (needs to be a children's literature course, not literacy methods) • Creative arts for teachers course • LING 210
	EOU: 4 Year Licensure	Recommended: • Early Childhood Education Course • Children's Literature
	OSU Cascades: 4 Year Licensure	Recommended: • Early Childhood Education Course
	OSU: Teaching Undergraduate Major (Clinically Based Elementary Licensure)	Recommended: • Early Childhood Education Course
Other Degree Programs	UO: 4 Year Non-licensure (to obtain a teaching license, students must apply to a graduate degree and licensure program)	Recommended: • Ethnic Studies • Early Childhood Ed Course • WR 123

	Credit Total	90 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

57
COURSES LEADING TO CERTIFICATION

58
MEDICAL ASSISTING

60
NURSING

64
PARAMEDICINE

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 state and national licensure exams. Licensure by the National Registry and the Oregon Health Authority 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 EMT Part I and Part II

Advanced EMT (AEMT) introduces the roles and responsibilities of the Advanced Technician, emergency pharmacology, venous access and medication administration, airway management and ventilation. Includes medical patient assessment and management; trauma assessment and management; and special considerations such as pediatrics, geriatrics, and environmental emergencies with an emphasis on clinical decision-making. Prerequisite: Licensed as Oregon EMT or instructor permission if pending National Registry proof of certification. (Non-credit)

EMT Intermediate (EMT-I)

Builds upon Advanced EMT (AEMT) training (AEMT) to promote critical thinking in emergency situations and expand repertoire of practical techniques, with a focus on advanced cardiac drugs and pain medications. Includes 90 hours of instruction time plus required clinical experience time. Course requires being able to successfully pass a background check and drug screen. Students successfully completing this course will receive an Advanced Cardiac Life Support (ACLS) provider card and will be recommended to the Oregon State EMS Office for the EMT-I certification process. Class will also meet on some Saturdays to be arranged by instructor. Prerequisite: Licensed as Oregon Advanced EMT or instructor permission if pending National Registry proof of certification. (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.

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 coodinator 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 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	Medical Office Communications and Professionalism MA 110, 3 cr	Electronic Health Records MA 114, 2 cr	Medical Office Administrative Procedures MA 117, 5 cr	Admin Practicum MA 170, 1 cr	Medical Terminology MP 111, 4 cr	Introduction to Health Law & Ethics MP 140, 3 cr	18 Credits
	Winter	Digital Health & Patient Care MA 115, 2cr	Medical Office Clinical Procedures MA 125, 6 cr	Medical Office Diagnostic Procedures MA 126, 5 cr	Body Systems, Diseases, and Drug Treatments MA 130, 4 cr	First Aid & CPR/AED/ Professional Rescuers/ Healthcare Providers HE 113, 1 cr		18 Credits
	Spring	Clinical Practicum MA 270, 4 cr						4 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) use their knowledge, skills, and critical thinking abilities to help individuals, families, and groups with health needs. RNs care for and work with people to help them become healthier or to regain health after illness or surgery. Nurses teach health practices to clients and other health care providers, and frequently supervise the work of nursing assistants and practical nurses. RNs also administer medications and perform treatments. Nurses work in a variety of settings, including hospitals, long-term care, schools, industry, clinics, and patients' homes. With advanced education, a nurse may work as a manager, educator, public health nurse, clinical specialist, or independently as a nurse practitioner.

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 March 27, 2025, for fall term 2025 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 2024-2025 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 211   Principles of Biology
- BI 231   Human Anatomy & Physiology I*
- BI 232   Human Anatomy & Physiology II*
- BI 233   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   Human Development
- WR 121 or WR 121Z   Composition I#
- WR 122 or 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 summer 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] 4 cr	Nursing Program Elective[3] 3 cr		16 Credits
	Spring	Integrative Practicum NRS 224, 9 cr	Nursing Program Elective[3] 4 cr	Technical and Professional Writing WR 227 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

Associate of Applied Science
Paramedic
108 credits

Career Description

Emergency Medical Services (EMS) personnel are unique health care professionals that are categorized in a variety of ways beginning at the First Responder level and progressing to the highest EMS level, paramedic. They provide critical advanced medical care and transportation in an out-of-hospital setting with physician oversight. Emergency Medical Services are a component of the overall health care system, delivering care as part of a system intended to attenuate the morbidity and mortality associated with sudden illnesses and injury.

Paramedics function primarily in paid positions, but some choose to volunteer as well. These frontline healthcare professionals provide out-of-hospital advanced life support to patients with critical, life-threatening emergencies as well as those with perceived urgent and non-urgent calls for service. Paramedics bridge the gap by treating and keeping patients alive from the scene of the call to the ER. This work requires excellent clinical judgment, leadership, problem-solving, and decision-making skills while providing critical on-scene care to the patient. In addition, paramedics fill an essential role transporting patients who require advanced or critical care transportation between facilities. They are also becoming increasingly involved in numerous public health initiatives (immunization and testing clinics, illness and injury prevention programs, community paramedicine programs, etc).

Course of Study

The Paramedic AAS expands on the knowledge and skills learned in the 28 credit Emergency Medical Technician (EMT) certificate. The certificate is fully contained in the Paramedic AAS degree, and, as such, all coursework in the certificate may be applied to completion of the AAS degree. The EMT certificate and the Paramedic AAS are recognized statewide and are transferable between all community colleges where they are offered in Oregon.

Program Outcomes

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

1 Apply the principles underlying the profession of paramedicine, including anatomy, physiology, pathology, pharmacology, and disorders recognized and treated by paramedics.

2 Demonstrate knowledge of the modalities and skills used in emergency medical services and how to assess objectively the evidence for their effectiveness.

3 Demonstrate skills for life-long, self-directed learning to update their knowledge of the practice of paramedicine after completion of their formal studies.

4 Demonstrate the practical skills needed to work as a competent paramedic delivering emergency medical services and to apply these skills to appropriate, safe, effective and compassionate patient care.

5 Practice both independently and collaboratively as part of clinical teams and health care systems.

6 Demonstrate cultural competency, respect for diversity and the ability to practice in diverse healthcare settings in a multicultural society.

7 Assume responsibility for independent judgment in making sound decisions regarding patient management.

8 Practice according to the ethical principles and legal requirements of the profession of paramedicine

Credit Summary

Requirements	Credits
Emergency Medical Services (EMS)	66
Biology (BI)	17
Chemistry (CH)	5
Communications (COMM)	4
Mathematics (MTH)	4
Medical Professions (MP)	4
Psychology (PSY)	4
Writing (WR)	4

NOTICE: This certificate will be under review during the 2024-25 academic year. This review may result in significant changes or termination of the certificate and/or its courses in 2025-26. Please consult with your academic advisor for current information on certificate status and impact for students.

Prerequisites

Successful completion of MTH 65 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	Summer	General Chemistry I[1] CH 121, 5 cr	Intermediate Algebra MTH 95, 4 cr	Composition I WR 121 or WR 121Z, 4 cr		13 Credits
	Fall	Principles of Biology[1] BI 211, 5 cr	Introduction to Emergency Medical Services EMS 100, 2 cr	EMT Part I EMS 105, 6 cr		13 Credits
	Winter	Human Anatomy & Physiology I[1] BI 231, 4 cr	EMT Part II EMS 106, 6 cr	Human Development[2] PSY 215, 4 cr		14 Credits
	Spring	Human Anatomy & Physiology II[1] BI 232, 4 cr	Crisis Intervention EMS 115, 3 cr	Interpersonal Communication[3] COMM 218Z, 4 cr	Medical Terminology MP 111, 4 cr	15 Credits
Year Two	Summer	Intro to Emergency Medical Rescue EMS 116, 3 cr	Human Anatomy & Physiology III[1] BI 233, 4 cr			7 Credits
	Fall	Paramedic Part 1 EMS 210, 9 cr	Paramedic Lab 1 EMS 220, 3 cr			12 Credits
	Winter	Paramedic Part 2 EMS 211, 8 cr	Paramedic Lab 2 EMS 221, 2 cr	Paramedic Clinical 1 EMS 231, 3 cr		13 Credits
	Spring	Paramedic Part 3 EMS 212, 7 cr	Paramedic Lab 3 EMS 222, 2 cr	Paramedica Clinical 2 EMS 232, 3 cr		12 Credits
Capstone	Summer	Paramedic Capstone Internship EMS 270, 9 cr				9 Credits

1 Fulfills Math, Science, Computer Science General Education elective.

2 Fulfills Social Science General Education elective.

3 Fulfills Arts & Letters General Education elective.

Certificate
Emergency Medical Technician
28 credits

Career Description

Emergency Medical Services (EMS) personnel are unique health care professionals that are categorized in a variety of ways beginning at the First Responder level and progressing to the highest EMS level, Paramedic. They provide critical advanced medical care and transportation in out-of-hospital settings with physician oversight. Emergency Medical Services are a component of the overall health care system, delivering care as part of a system intended to attenuate the morbidity and mortality associated with sudden illnesses and injury.

Emergency Medical Technicians (EMTs) have an entry-level knowledge and training in basic life support measures and providing out-of-hospital medical care to those with perceived urgent needs as well as non-urgent calls for service. EMTs are able to begin on-scene treatment while awaiting the arrival of a paramedic. All levels of EMT's must be able to exercise considerable judgment, problem-solving, and decision-making skills while providing care to the patient in any setting in which they became ill or injured. EMT's function in both volunteer and paid roles.

Course of Study

The 28 credit Emergency Medical Technician (EMT) certificate is the first step in CGCC's Paramedicine program ladder, preparing graduates to enter the field as EMTs. The certificate is fully contained in the Paramedic AAS degree, and, as such, all coursework in the certificate may be applied to completion of the AAS degree. The EMT certificate and the Paramedic AAS are recognized statewide and the coursework is transferable between all community colleges where they are offered in Oregon.

The National Registry of EMT's (NREMT) is the national certifying body for all levels of EMT. Successful completion of the NREMT didactic and practical exams will allow the student to then apply for individual state certification.

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 (IRW 115 or 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				
	Summer	Composition I WR 121 or WR 121Z, 4 cr	Intermediate Algebra MTH 95, 4 cr	8 Credits
	Fall	Introduction to Emergency Medical Services EMS 100, 2 cr	EMT Part I EMS 105, 6 cr	8 Credits
	Winter	EMT Part II EMS 106, 6 cr		6 Credits
	Spring	Crisis Intervention EMS 115, 3 cr		3 Credits

Year Two			
	Summer	Intro to Emergency Medical Rescue EMS 116, 3 cr	3 Credits

Credit Summary

Requirements	Credits
Emergency Medical Services (EMS)	20
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

14
ASSOCIATE OF ARTS
OREGON TRANSFER

18
ASSOCIATE OF SCIENCE

69
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.

Program Prerequisites

- MTH 95 Intermediate Algebra (4 credits) or equivalent placement
- IRW 115 Critical Reading and Writing (5 credits) or WR 115 Intro to Expository Writing (4 credits) or equivalent placement

General Degree Requirements

Associate Degree Comprehensive Requirement Limits, see page 10

EOU, SOU, WOU Track		
Core Transfer Map Requirements - 36 -38 credits		
WR 121Z	Composition I	4 credits
MTH 111Z	Precalculus I: Functions	4 credits
MTH 112Z	Precalculus II: Trigononmetry	4 credits
	General Education Electives - Arts & Letters [1,2]	8 credits
	General Education Electives - Social Sciences [1,2]	8 credits
	General Education Elective – Natural Sciences - Select two lab science courses (EOU/SOU/WOU track) [1]	8-10 credits
[1] Must use AAOT approved courses		
[2] At least one Core Transfer Requirement course must also satisfy Cultural Literacy outcomes for the AAOT		
Major Requirements - 34 credits		
WR 122Z	Composition II	4 credits
MTH 251	Calculus I	5 credits
MTH 252	Calculus II	5 credits
COMM 111Z	Public Speaking	4 credits
CS 160	Computational Thinking	4 credits
CS 161	Programming & Problem Solving	4 credits
CS 162	Web Development and Object-oriented Programming	4 credits
CS 260	Data and Algorithms	4 credits
Electives - 18-20 credits to fullfill 90 total credits		
Varied (must be college level - 100 or above)		

University Recommended Electives		
EOU	SOU	WOU
- C++ programming course - Arts & Letters in a 2nd or 3rd discipline - Social Science in a 2nd or 3rd discipline - A general elective that fulfills "Difference, Power & Discrimination" Baccalaureate Core requirement	200-level database 200-level computer org/architecture - Computer Science 250 OR MTH 231 200-level web design 200-level networking 200-level OO programming course 200-level C/C++ course if neither used in 161/162	CS 205 (Computer Architecture)
	Credit Total	90 credits

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

72
ADVANCED
MANUFACTURING

76
AVIATION
MAINTENANCE

84
CONSTRUCTION
TECHNOLOGY

88
ELECTRO-
MECHANICAL
TECHNOLOGY

92
UNCREWED AIRCRAFT
SYSTEMS

Associate of Applied Science
Advanced Manufacturing and Fabrication
91 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 (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

Term						
Fall	Basic Manufacturing Processes MFG 150, 3 cr	Blueprint Reading and Design MFG 155, 3 cr	Welding Technology I MFG 195, 3 cr	Math in Society MTH 105 or MTH 105Z, 4 cr or higher		13 Credits
Winter	Fabrication Processes 1 MFG 151, 3 cr	Integrated Manufacturing 1 MFG 156, 3 cr	Aluminum GTAW/TIG Welding MFG 280, 3 cr	Aluminum GTAW/TIG Fabrication Processes 1 MFG 281, 3 cr	Stainless Steel GTAW/TIG Welding MFG 285, 3 cr	15 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

Term						
Fall	Tube and Pipe Fabrication 1 MFG 201, 3 cr	Introduction to Computer Aided Design and Tolerancing MFG 210, 3 cr	Production Manufacturing 1 MFG 220, 3 cr	Composition I & Corequisite WR 121 or WR 121Z, 4 cr or higher & WR 121L, 1 cr	General Education Electives 4 cr	18 Credits
Winter	Tube Fabrication MFG 202, 3 cr	CAD Design for CNC Manufacturing 1 MFG 211, 3 cr	Production Manufacturing 2 MFG 221, 3 cr	General Education Electives 4 cr		13 Credits
Spring	Pipe Fabrication and Welding MFG 203, 3 cr	CAD Design for CNC Manufacturing 2 MFG 212, 3 cr	Production Manufacturing 3 MFG 222, 3 cr	Student Production Manufacturing Lab 1 MFG 290, 4 cr	General Education Elective 4 cr	17 Credits

Credit Summary

Requirements	Credits
Manufacturing (MFG)	70
General Education Electives	12
Mathematics (MTH)	4
Writing (WR)	5

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 MFG 150, 3 cr	Blueprint Reading MFG 155, 3 cr	Welding Technology I MFG 195, 3 cr			9 Credits
Winter	Fabrication Processes 1 MFG 151, 3 cr	Integrated Manufacturing 1 MFG 156, 3 cr	Aluminum GTAW/TIG Welding MFG 280, 3 cr	Aluminum GTAW/TIG Fabrication Processes 1 MFG 281, 3 cr	Stainless Steel GTAW/TIG Welding MFG 285, 3 cr	15 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

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 (IRW 115 or 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 AMT 191, 6 cr	Aviation Maintenance: General 102 AMT 192, 6 cr	Math in Society MTH 105 or MTH 105Z, 4 cr (or higher)			16 Credits
Winter	Aviation Maintenance: General 103 AMT 193, 6 cr	Aviation Maintenance: General 104A AMT 194A, 3 cr	Aviation Maintenance: General 104B AMT 194B, 3 cr	Composition I WR 121 or WR 121Z, 4 cr		16 Credits
Spring	Aviation Maintenance: General 105 AMT 195, 6 cr	Aviation Maintenance: Airframe 1 AMT 261, 6 cr	Aviation Maintenance: Airframe 2 AMT 262, 6 cr	Psychology and Human Relations[1] PSY 101, 4 cr		22 Credits
Summer	Aviation Maintenance: Airframe 3 AMT 263, 6 cr	Aviation Maintenance: Airframe 4 AMT 264, 6 cr	Aviation Maintenance: Airframe Return to Service AMT 281, 3 cr			15 Credits
Fall	Aviation Maintenance: Powerplant 1 AMT 271, 6 cr	Aviation Maintenacne: Powerplant 2 AMT 272, 6 cr				12 Credits
Winter	Aviation Maintenance: Powerplant 3 AMT 273, 6 cr	Aviation Maintenance: Powerplant 4 AMT 274, 6 cr	Aviation Maintenance: Powerplant Return to Service AMT 282, 3 cr			15 Credits
Spring	General Education Elective: Arts & Letters 4 cr	General Education Elective: Math, Science, & Computer Science 4 cr				8 Credits

1 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 (IRW 115 or 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 AMT 191, 6 cr	Aviation Maintenance: General 102 AMT 192, 6 cr	Math in Society MTH 105 or MTH 105Z, 4 cr (or higher)		16 Credits
Winter	Aviation Maintenance: General 103 AMT 193, 6 cr	Aviation Maintenance: General 104A AMT 194A, 3 cr	Aviation Maintenance: General 104B AMT 194B, 3 cr	Composition I WR 121 or WR 121Z, 4 cr	16 Credits
Spring	Aviation Maintenance: General 105 AMT 195, 6 cr	Aviation Maintenance: Airframe 1 AMT 261, 6 cr	Aviation Maintenance: Airframe 2 AMT 262, 6 cr	Psychology and Human Relations PSY 101, 4 cr	22 Credits
Summer	Aviation Maintenance: Airframe 3 AMT 263, 6 cr	Aviation Maintenance: Airframe 4 AMT 264, 6 cr	Aviation Maintenance: Airframe Return to Service AMT 281, 3 cr		15 Credits
Fall	Aviation Maintenance: Powerplant 1 AMT 271, 6 cr	Aviation Maintenacne: Powerplant 2 AMT 272, 6 cr			12 Credits
Winter	Aviation Maintenance: Powerplant 3 AMT 273, 6 cr	Aviation Maintenance: Powerplant 4 AMT 274, 6 cr	Aviation Maintenance: Powerplant Return to Service 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 (IRW 115 or 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 AMT 191, 6 cr	Aviation Maintenance: General 102 AMT 192, 6 cr	Math in Society MTH 105 or MTH 105Z, 4 cr (or higher)		16 Credits
Winter	Aviation Maintenance: General 103 AMT 193, 6 cr	Aviation Maintenance: General 104A AMT 194A, 3 cr	Aviation Maintenance: General 104B AMT 194B, 3 cr	Composition I WR 121 or WR 121Z, 4 cr	16 Credits
Spring	Aviation Maintenance: General 105 AMT 195, 6 cr	Aviation Maintenance: Airframe 1 AMT 261, 6 cr	Aviation Maintenance: Airframe 2 AMT 262, 6 cr	Psychology and Human Relations PSY 101, 4 cr	22 Credits
Summer	Aviation Maintenance: Airframe 3 AMT 263, 6 cr	Aviation Maintenance: Airframe 4 AMT 264, 6 cr	Aviation Maintenance: Airframe Return to Service 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 (IRW 115 or 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 AMT 191, 6 cr	Aviation Maintenance: General 102 AMT 192, 6 cr	Math in Society MTH 105 or MTH 105Z, 4 cr (or higher)			16 Credits
Winter	Aviation Maintenance: General 103 AMT 193, 6 cr	Aviation Maintenance: General 104A AMT 194A, 3 cr	Aviation Maintenance: General 104B AMT 194B, 3 cr	Composition I WR 121 or WR 121Z, 4 cr		16 Credits
Spring	Aviation Maintenance: General 105 AMT 195, 6 cr	Psychology and Human Relations PSY 101, 4 cr				10 Credits
Fall	Aviation Maintenance: Powerplant 1 AMT 271, 6 cr	Aviation Maintenacne: Powerplant 2 AMT 272, 6 cr				12 Credits
Winter	Aviation Maintenance: Powerplant 3 AMT 273, 6 cr	Aviation Maintenance: Powerplant 4 AMT 274, 6 cr	Aviation Maintenance: Powerplant Return to Service 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 (IRW 115 or 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 CT 100, 3 cr	Residential Concrete CT 102, 3 cr	Building Materials and Methods CT 103, 3 cr	Floor Framing CT 104, 3 cr	Introduction to Expository Writing WR 115, 4 cr	16 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	Compostion I WR 121 or WR 121Z, 4 cr	16 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	Math in Society MTH 105 or 105Z, 4 cr		13 Credits

Finishing

Fall	Roofing and Siding CT 230, 3 cr	Sheetrock/Drywall Basics CT 231, 3 cr	Flooring Basics CT 232, 3 cr	Green Building Materials and Methods CT 233, 3 cr	General Education Elective 4 cr	16 Credits
Winter	Deck Building CT 113, 3 cr	Advanced Materials and Methods CT 221, 3 cr	Fences, Handrails and Gates CT 223, 3 cr	Prints, Drawings and Plans CT 243, 3 cr	General Education Elective 4 cr	16 Credits
Spring	Commercial Concrete CT 222, 3 cr	Hardware, Adhesives, Sealants and Flashings CT 241, 3 cr	Estimating Labor and Materials CT 242, 3 cr	General Education Elective 4 cr		13 Credits

OR

OPTION 2

Finishing

Fall	Roofing and Siding CT 230, 3 cr	Sheetrock/Drywall Basics CT 231, 3 cr	Flooring Basics CT 232, 3 cr	Green Building Materials and Methods CT 233, 3 cr	Introduction to Expository Writing WR 115, 4 cr	16 Credits
Winter	Deck Building CT 113, 3 cr	Advanced Materials and Methods CT 221, 3 cr	Fences, Handrails and Gates CT 223, 3 cr	Prints, Drawings and Plans CT 243, 3 cr	Compostion I WR 121 or WR 121Z, 4 cr	16 Credits
Spring	Commercial Concrete CT 222, 3 cr	Hardware, Adhesives, Sealants and Flashings CT 241, 3 cr	Estimating Labor and Materials CT 242, 3 cr	Math in Society MTH 105 or 105Z, 4 cr		13 Credits

Building

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	General Education Elective 4 cr	16 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	General Education Elective 4 cr	16 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	General Education Elective 4 cr		13 Credits

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 degree 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

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 degree 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.

Certificate
Construction Technology—Finishing
33 credits

Prerequisites

Successful completion of MTH 98 or placement into MTH 65. 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	Roofing and Siding CT 230, 3 cr	Sheetrock/Drywall Basics CT 231, 3 cr	Flooring Basics CT 232, 3 cr	Green Building Materials and Methods CT 233, 3 cr	12 Credits
Winter	Deck Building CT 113, 3 cr	Advanced Materials and Methods CT 221, 3 cr	Fences, Handrails and Gates CT 223, 3 cr	Prints, Drawings and Plans CT 243, 3 cr	12 Credits
Spring	Commercial Concrete CT 222, 3 cr	Hardware, Adhesives, Sealants and Flashings CT 241, 3 cr	Estimating Labor and Materials CT 242, 3 cr		9 Credits

Credit Summary

Requirements	Credits
Construction (CT)	33

Associate of Applied Science
Electro-Mechanical Technology
100 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. Qualify for employment in the electro-mechanical field as technicians.

2. Service/repair electro-mechanical systems and assist engineers with the design of electro-mechanical systems by applying knowledge of electrical, electronics, mechanical, control systems and hydraulic/pneumatic concepts.

3. Apply basic operations management practices and principles in an advanced manufacturing environment.

4. Control computer-driven devices through programming in the C language.

Prerequisites

Successful completion of MTH 65 with a grade of "B" or better, or equivalent placement. 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	Electrical Circuit Analysis 1 EET 111, 5 cr	Industrial Mechanical Systems MEC 123, 5 cr	Technical Math MTH 110, 4 cr (or higher)	Industrial Safety and OSHA 10 SAF 188, 1 cr		15 Credits
Winter	Electrical Circuit Analysis 2 EET 112, 5 cr	Industrial Computing EET 180, 3 cr	Hydraulics and Pneumatics MEC 120, 5 cr	Job Finding Skills CG 209, 1 cr	Composition I WR 121 or WR 121Z, 4 cr	18 Credits
Spring	Electrical Circuit Analysis 3 EET 113, 5 cr	Motor Control EET 141, 5 cr	Mechatronic Systems in Advanced Manufacturing MEC 124, 3 cr	General Education Elective 4 cr		17 Credits

Year Two					
Fall	Semiconductor Devices and Circuits 1 EET 221, 5 cr	Digital Electronics 1: Programmable Logic Devices EET 251, 5 cr	Power Generation RET 223, 5 cr	General Education Elective 4 cr	19 Credits
Winter	Programmable Logic Controllers EET 219, 3 cr	Semiconductor Devices and Circuits 2 EET 231, 5 cr	Digital Electronics 2: Programmable Logic Devices EET 252, 5 cr	General Education Elective 4 cr	17 Credits
Spring	Introduction to Uncrewed Aircraft Systems UAS 101, 5 cr	Industrial Control EET 273, 5 cr	General Education Elective 4 cr		14 Credits

Credit Summary

Requirements	Credits
Electronics Engineering Technology (EET) or Uncrewed Aircraft Systems (UAS)	56
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. Qualify for employment in the electro-mechanical field as entry-level operators.

2. Assist technicians with the repair, servicing, and manufacturing of electro-mechanical systems by applying basic knowledge of electrical, electronic, mechanical, and hydraulic/pneumatic concepts.

3. Communicate effectively both at the individual level and within team settings.

4. Qualify for employment in the high-tech field as electronics technicians.

Prerequisites

Successful completion of MTH 65 with a grade of "B" or better or equivalent placement. 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.

One-Year Certificate						
Fall	Electrical Circuit Analysis 1 EET 111, 5 cr	Industrial Mechanical Systems MEC 123, 5 cr	Industrial Safety and OSHA 10 SAF 188, 1 cr	Composition I WR 121 or WR 121Z, 4 cr		15 Credits
Winter	Electrical Circuit Analysis 2 EET 112, 5 cr	Industrical Computing EET 180, 3 cr	Hydraulics and Pneumatics MEC 120, 5 cr	Job Finding Skills CG 209, 1 cr		14 Credits
Spring	Electrical Circuit Analysis 3 EET 113, 5 cr	Motor Control EET 141, 5 cr	Mechatronic Systems in Advanced Manufacturing 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 UAS 101, 5 cr		5 Credits
	Winter	UAS Management UAS 210, 4 cr		4 Credits
	Spring	sUAS Aerial Photogrammetry UAS 102, 4 cr	sUAS Professional Remote Pilot I UAS 200, 5 cr	9 Credits

Credit Summary

Requirements	Credits
Uncrewed Aircraft Systems (UAS)	18

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 from the list below (4 credits):
ENG 104Z Introduction to Fiction 4
ENG 105Z Introduction to Drama 4
ENG 106Z Introduction to Poetry 4

Media Studies Concentration Award

Faculty mentor: Diane Uto; duto@cgcc.edu

To earn a Concentration Award in Media Studies, students must successfully complete a minimum of 12 credits from the following list of courses:

Course Number/Name . . . . Credits
BA 207 Introduction to E-Commerce 4
BA 249 Principles of Retailing and E-tailing 3
CAS 231 Desktop Publishing 3
COMM 228 Mass Communication and Society 4
TA 101 Theater Appreciation 4
WR 243 Creative Writing—Script Writing 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 101 First Year Spanish, First Term 4
SPA 102 First Year Spanish, Second Term 4
SPA 103 First Year Spanish, Third Term 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: Dr. John Copp; jcopp@cgcc.edu

To earn a Concentration Award in Northwest Studies, students must successfully complete a minimum of 12 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

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

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

Support Courses

(Support courses are generally not transferable.)

Career and Technical Education Courses

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 | APR

APR 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.

APR 105 EMT Part I, 6 Cr. Introduces the role of the Emergency Medical Technician (EMT) at the novice level. Develops the necessary understanding of human anatomy and physiology, as well as knowledge of relevant medical terminology. Provides training in the identification and use of EMT equipment, the assessment of patient status and development of a patient plan, the use of appropriate interventions, and professional and interpersonal communication in the prehospital setting. Explores the use of evidence-based practices in the EMT field, and provides an introduction to the legal and ethical issues that may be encountered by the novice EMT. This is Part 1 of the 2-part Oregon EMT series. Course sequence requires a mandatory orientation, and passing a criminal background check and drug screen. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65; current HCP CPR card. Audit available.

APR 106 EMT Part II Continues EMS 105. Develops the basic knowledge and skills necessary to treat victims of trauma, patients that present with special challenges, and sick and injured pediatrics. Expands knowledge and understanding of specific incidents that the Emergency Medical Technician may encounter in the field such as mass-casualty incidents, hazardous materials, motor vehicle collisions, and acts of terrorism. Includes preparation for state and national licensing exams. Requires meeting Oregon Health Authority Standards for health profession student clinical training, including immunizations, TB screening and the ability to pass a criminal background check and drug screen before placement into mandatory clinical observations in hospital emergency department and ambulance ride-along experience. Prerequisites: completion of EMS 105 with a "C" or better at CGCC within the previous 5 terms; current HCP CPR card.

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: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98; CAS 121 or keyboarding by touch. 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 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. Recommended: WR 121 or WR 121Z; BA 131 or CAS 133; BA 101. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. 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 207 Introduction to E-Commerce, 4 Cr. Introduces the technology and history of electronic commerce and its uses as a medium from informational websites to full online retail systems. Examines the concepts, vocabulary, and procedures associated with electronic commerce. Presents concepts and skills for the strategic use of electronic commerce and related information technology. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

BA 208 Business Ethics, 4 Cr. Reviews historical and contemporary ethical theories and issues that arise in several aspects of business, such as, management, use of computers, marketing, accounting, and doing business in an international setting. Includes the social responsibilities of corporations, the rights of workers, truth in advertising, the environmental impact of doing business, affirmative action in hiring, sexual harassment in the workplace, respect for cultural differences, and the responsibilities of the individual in the corporate setting. Provides a study of important ethical theories which will be used in analyzing the morality of selected controversial business cases and situations. Prerequisite: placement into

MTH 65 or MTH 98. Prerequisite/concurrent: IRW 115 or WR 115 or equivalent placement. 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 225 Introduction to Entrepreneurship Law, 4 Cr. Examines the legal and regulatory landscape for the successful entrepreneur. Includes topics in business formation, agency relationships, intellectual property, employment law, antitrust regulation, and dispute resolution. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

BA 226 Business Law I, 4 Cr. Discusses fundamental concepts, principles, and rules of law that apply to business transactions. Includes the function and operation of the courts, business crimes, torts, contract law, intellectual property, the application of the Uniform Commercial Code to business activities and recent developments in business law, such as cyber law and electronic commerce. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. 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. Prerequisites: BA 111 or BA 211, Recommended: BA 104, CAS 133. Audit available.

BA 249 Principles of Retailing & E-tailing, 3 Cr. Explores types of retail, strategic planning and operational management. Emphasizes the analysis of the target market, how to develop retail marketing mix elements, and the review of store planning techniques. Includes how the retailing environment is changing and the impact of technology and government regulations. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65 or MTH 98. Audit available.

BA 280A Cooperative Education: Business Experience, 1-6 Cr. Provides relevant field experience in business environments and disciplines such as: accounting, finance, human resources, information technology, international business, and marketing, procurement, management, and/or customer services. Allows exploration of career options. Course may be repeated for credit up to 12 credits. Student is responsible for arranging field experience site by start of term. Prerequisite: Completion of 12 BA credits and instructor permission. Prerequisite/concurrent: BA 280B.

BA 280B Cooperative Education: Business Experience - Seminar, 1 Cr. Supplements on-the-job experience through feedback sessions, instruction in job-related areas, and linkages to the student's on-campus program. Co-requisite: BA 280A. Prerequisite: instructor permission required. Audit available.

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.

BA 296 Entrepreneurship Capstone – Year Two, 2 Cr. Synthesizes the two years of study into developing an entrepreneurial venture and managing an ongoing small business. Prepares students to seek financing with an organized portfolio of work suitable for discussion with investors and other outside interested parties. Prerequisites: Completion of 60 credits of required coursework for Entrepreneurship/Small Business Management degree or instructor permission. 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 211 Principles of Biology, 5 Cr. Includes introduction to science, biochemistry, metabolism, the cell, molecular biology, and reproduction. Includes inheritance, the genetic code, modern and classical genetics. The first course of a three-course sequence for students majoring in biology and the sciences, including pre-medical, pre-dental, chiropractic, pharmacy, and related fields. Recommended: High school biology and chemistry within the past seven years. Prerequisite: MTH 95 or equivalent placement. Prerequisite/concurrent: WR 121 or WR 121Z; CH 100 or higher, or instructor permission. Audit available.

BI 212 Principles of Biology, 5 Cr. Includes modern and classical genetics, evolution, diversity, and systematics. May include some dissection of plants and animals. The second course in a three course sequence for students majoring in biology and the sciences, including pre-medical, pre-dental, chiropractic, pharmacy, and related fields. Prerequisite: BI 211 and its prerequisite requirements. Audit available.

BI 213 Principles of Biology, 5 Cr. Includes plant and animal anatomy and physiology, and individual, population, community and ecosystem ecology. The third course of a three-course sequence for students majoring in biology and the sciences, including pre-medical, pre-dental, chiropractic, pharmacy, and related fields. Prerequisite: BI 212 and its prerequisite requirements. Audit available.

BI 231 Human Anatomy & Physiology I, 4 Cr. First course of a three-course sequence. Introduces body systems, homeostasis, tissues, integument, skeletal and muscular systems. Includes related laboratories which integrate appropriate lab equipment and procedures: microscopes, dissection, and others as determined by the department and instructor. Prerequisite: BI 112 or BI 211. Audit available.

BI 232 Human Anatomy & Physiology II, 4 Cr. Second course of a three-course sequence. Introduces nervous, cardiovascular, lymphatic and immune systems. Includes related laboratories which integrate appropriate lab equipment and procedures: microscopes, dissection, and others as determined by the department and instructor. Prerequisite: BI 231 with a "C" or better. Audit available.

BI 233 Human Anatomy & Physiology III, 4 Cr. Third course of a three-course sequence. Introduces the respiratory, digestive, endocrine, urinary and reproductive systems. Includes related laboratories which integrate appropriate lab equipment and procedures: microscopes, dissection, and others as determined by the department and instructor. Prerequisite: BI 232 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 109 Digital Presentations, 1 Cr. Introduces the fundamentals of digital presentations. Covers creating and modifying presentations, customizing color schemes, adding graphics, animations, transitions, and designs. Introduces basic design principles for digital presentations. Prerequisite: CAS 121 or equivalent typing skills. Audit available

CAS 121 Beginning Keyboarding, 3 Cr. Introduces alphabetic and numeric portions of computer keyboard by touch. Develops and improves basic keyboarding techniques to increase speed and accuracy. Includes production of basic business documents using a word processor. Recommended: Placement into IRW 115 or WR 115; CAS 103W. Audit available.

CAS 122 Keyboarding for Speed and Accuracy, 3 Cr. Develops confidence, endurance, and control for accurate keyboarding while increasing touch keyboarding speed. Develops ability to proofread and edit accurately and efficiently to produce error free documents. Prerequisites: CAS 121; placement into IRW 115 or WR 115. Recommended: CAS 103W or keying 24 wpm by touch. Audit available.

CAS 123 Production Keyboarding, 3 Cr. Builds on keyboarding skills in producing professional business documents. Improves and increases speed and accuracy in

timed writings and document processing. Recommended: OS 220, CAS 122 and keying 40 wpm by touch. Prerequisite: CAS 216 or instructor permission. Audit available.

CAS 134 Introduction to Google Drive, 3 Cr. Introduces the basic features of Google Drive and the associated programs: Sheets, Docs, and Slides. Also, introduces file management, file sharing, and multi-user collaborative work on a document. Recommended: IRW 115 or WR 115, and CAS 121. 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. Recommended: placement into IRW 115 or WR 115. Audit available.

CAS 170 Beginning Spreadsheets using Excel, 3 Cr. Introduces the basic features of spreadsheet concepts to design and create accurate professional worksheets for use in business and industry. Includes entering data, creating formulas, professional formatting, creating charts, creating, sorting, and filtering lists, creating and using templates, and working with functions. Introduces the basics of Pivot Tables, Pivot Charts, and Solver. Focuses on ways to ensure accuracy including proofreading techniques and critical thinking to determine what data to present and how to present it. Recommended: placement into IRW 115 or WR 115, and MTH 65 or MTH 98. Audit available.

CAS 181 Web Content Management, 3 Cr. Covers the process of planning and managing a website project through all the different stages: requirements, design, implementation, deployment and maintenance. Reviews maintaining, controlling, changing and reassembling the content on a web-page. Prerequisites: placement into IRW 115 or WR 115. Recommended: WT 206. Audit available.

CAS 208 Intermediate Photoshop, 4 Cr. Covers the use of advanced image editing features of Adobe Photoshop to create and modify computer based graphics. Includes typographic design, compositing, and preparing files for export to the Web. Prerequisite: CAS 108. 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.

CAS 231 Desktop Publishing, 3 Cr. Introduces software, tools and techniques to design and create effective publications that combine text, graphics, illustrations, and/or photographs. Covers the processes to create, import, and manipulate text, graphics, and/or templates through software program tools and features. Includes practice in many of the following types of publications: announcements, fliers, newsletters, brochures, and/or web pages. Recommended: placement into IRW 115 or WR 115; prior knowledge and use of computer technology; CAS 121 or equivalent typing skills. Audit available.

CAS 246 Integrated Computer Projects, 4 Cr. Builds upon previous computer and business knowledge to create individual and group projects using software found in today's workplace. Uses integrated software and current technology to further develop professional software skills. Prerequisites: CAS 216, CAS 140, CAS 170. Recommended: CAS 109, CAS 231. Audit available.

CAS 270 Intermediate Spreadsheets using Excel, 3 Cr. Introduces advanced spreadsheet features in the design and create accurate, professional worksheets for use in business and industry. Includes financial, logical, statistical, lookup, and database functions; pivot tables; "what-if" analysis with data tables; importing data; complex graphs; macros; and solver features. Focuses on ways to ensure accuracy including proofreading techniques and critical thinking to determine what data to present and how to present it. Prerequisite: CAS 170 or instructor permission. 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 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 I, 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 II, 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 III, 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.

CH 221 General Chemistry I, 5 Cr. Introduces measurements, classification and properties of matter, nomenclature, atomic structure and modern atomic theory, periodic table and chemical periodicity, and chemical bonding. This is the first course in a three course sequence. Recommended for chemistry and other natural science majors, and paraprofessional majors in engineering, medicine and dentistry. Recommended: Successful completion of a high school or a college chemistry class with a lab component in the last 3 years. Prerequisite/concurrent: MTH 111 or MTH 111Z, WR 121 or WR 121Z. Audit available.

CH 222 General Chemistry II, 5 Cr. Introduces stoichiometry; chemical reactions and equations; thermo chemistry; physical states of matter including properties of gases, liquids, solids and solutions; an introduction to organic chemistry; and chemical kinetics. This is the second course in a three course sequence. Prerequisite: CH 221. Audit available.

CH 223 General Chemistry III, 5 Cr. Introduces acid-base chemistry, ionic equilibria; electrochemistry; nuclear chemistry; thermodynamics; and descriptive chemistry topics. Special topics will be included as time and interest allows. This is the third course in a three course sequence. Prerequisite: CH 222. 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 weatherstripping 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 201 Principles of Economics: Microeconomics, 4 Cr. Introduces the principles of microeconomics. Enhances the ability to recognize and analyze economic problems in the United States. Covers the American microeconomic system, which includes: a familiarization with the basis of the price system and resource allocation; the operation of the firm; market concentration; regulation and antitrust policies. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

EC 202 Principles of Economics: Macroeconomics, 4 Cr. Covers the overall economy. Includes the basic reasons for and the problems of recession, inflation, and stagflation; the use of monetary, fiscal, and incomes policies; and other economic management tools. Recommended: EC 201. Prerequisite: 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 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 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 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 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 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, 1 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. Prerequisites: ED 101, ED 216, ED 219, HEC 202, HEC 226. Corequisite: ED 294.

ED 294 Education Practicum Seminar, 2 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. Prerequisites: ED 101, ED 216, ED 219, HEC 202, HEC 226. Corequisite: ED 293.

Electronics Engineering Technology | EET

EET 111 Electrical Circuit Analysis 1, 5 Cr. Covers SI units, engineering notation and prefixes, unit conversion, definitions of conductors and insulators, current, voltage, resistance, power, work/energy, capacity factor, and efficiency. Includes analysis of series, parallel, and series/parallel DC circuits using Ohm's and Kirchhoff's Laws and Thevenin and Norton equivalent circuits. Introduces circuit simulation software, lab practices, soldering and de-soldering, schematic reading, circuit construction and troubleshooting, and lab equipment and instrumentation. Includes a 3-hour per week laboratory session. Prerequisites: MTH 65 (B or better), IRW 115 or WR 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 180 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 219 Programmable Logic Controllers, 3 Cr. Introduces the Allen Bradley programmable logic controller, logic circuits, input output, power supplies, data sheets, safety programming, types of processors and software (RSLOGIX5000, RS LINX) memory organization, PLC architecture, ladder logic, and task oriented programming methods. Includes a three hour per week lab. Prerequisite: EET 251. 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 Electronics 1: Programmable Logic Devices, 5 Cr. Covers digital systems, binary numbers, combinational logic, expression simplification, and common functions of combinational logic systems using programmable logic devices and fixed function integrated circuits. Introduces data flow and structural modeling using hardware definition language. Includes a 3 hour per week laboratory. Prerequisite: EET 113. Audit available.

EET 252 Digital Electronics 2: Programmable Logic Devices, 5 Cr. Covers behavioral modeling, sequential logic, latches, flip flops, finite state machines analysis and design, registers, memory, microprocessors, and digital signal processing using programmable logic devices and fixed function integrated circuits. Includes a 3 hour per week laboratory. Prerequisite: EET 251. Audit available.

EET 273 Industrial Control, 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. Prerequisite: EET 219. 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. Introduces the role of the Emergency Medical Technician (EMT) at the novice level. Develops the necessary understanding of human anatomy and physiology, as well as knowledge of relevant medical terminology. Provides training in the identification and use of EMT equipment, the assessment of patient status and development of a patient plan, the use of appropriate interventions, and professional and interpersonal communication in the prehospital setting. Explores the use of evidence-based practices in the EMT field, and provides an introduction to the legal and ethical issues that may be encountered by the novice EMT. This is Part 1 of the 2-part Oregon EMT series. Course sequence requires a mandatory orientation, and passing a criminal background check and drug screen. Prerequisites: IRW 115 or WR 115 or equivalent placement; placement into MTH 65; current HCP CPR card. Audit available.

EMS 106 EMT Part II, 6 Cr. Continues EMS 105. Develops the basic knowledge and skills necessary to treat victims of trauma, patients that present with special challenges, and sick and injured pediatrics. Expands knowledge and understanding of special incidents that the Emergency Medical Technician may encounter in the field such as mass-casualty incidents, hazardous materials, motor vehicle collisions, and acts of terrorism. Includes preparation for state and national licensing exams. Requires passing criminal background check and drug screen before placement into mandatory clinical observation in hospital emergency department and ambulance ride-along experience. Prerequisite: completion of EMS 105 with a "C" or better at CGCC within the previous 5 terms; current HCP CPR card.

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 116 Intro to Emergency Medical Rescue, 3 Cr. Provides a brief introduction into EMS/fire service rescue practices. Includes the following topics: auto extrication, rope rescue, water and ice rescue, fire ground search and rescue, confined space rescue situations, and emergency driving. Covers the basic knowledge and skills needed to perform as a team member in rescue operations. Prerequisite: EMS 106, valid driver's license. 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.

EMS 210 Paramedic Part 1, 9 Cr. Covers the introductory knowledge, skills and behaviors required of a paramedic in pathophysiology, basic electrocardiography, pharmacology, medical emergencies and trauma emergencies. This is the first course in a three-course series. Prerequisites: EMS 100, EMS 105, EMS 106, EMS 115, EMS 116. Corequisite: EMS 220. Audit available.

EMS 211 Paramedic Part 2, 8 Cr. Covers intermediate knowledge, skills and behaviors required of a paramedic in medical emergencies trauma emergencies, and pharmacology. This is the second course in a three-course series. Prerequisites: EMS 210, EMS 220. Corequisites: EMS 221, EMS 231. Audit available.

EMS 212 Paramedic Part 3, 7 Cr. Covers advanced knowledge, skill and behaviors required of a paramedic in medical and trauma emergencies. This is the third course in a three-course series. Prerequisites: EMS 211, EMS 221, EMS 231. Corequisites: EMS 222, EMS 232. Audit available.

EMS 220 Paramedic Lab 1, 3 Cr. Practices the skills and behaviors learned in EMS 210 required of a paramedic in medication administration, trauma and medical patient assessment and management, and ECG interpretation. Provides training in the skills lab setting using simulated patients. This is the first course a three-course lab series. Prerequisites: EMS 100, EMS 105, EMS 106, EMS 115, EMS 116. Corequisite: EMS 210. Audit available.

EMS 221 Paramedic Lab 2, 2 Cr. Practices the skills and behaviors learned in EMS 221 required for proficient medication administration, assessment and management of various trauma and medical situations, and interpretation of 12-lead ECG. Provides training in the skills lab setting using simulated patients. This is the second course in a three-course lab series. Prerequisites: EMS 210, EMS 220. Corequisites: EMS 211, EMS 231. Audit available.

EMS 222 Paramedic Lab 3, 2 Cr. Practices the skills and behaviors learned in EMS 222 required for proficient medication administration, assessment and management of various trauma and medical patients, and interpretation of 12-lead ECG. Provides training in the skills lab setting using simulated patients. This is the third course in a three-course lab series. Prerequisites: EMS 211, EMS 221, EMS 231. Corequisites: EMS 212, EMS 232. Audit available.

EMS 231 Paramedic Clinical 1, 3 Cr. Provides field experience designed to expose the student to disease and injury conditions comparable to those experienced by paramedics in pre-hospital care situations. Explores multiple departments within the hospital/clinical setting, enabling the student to see a wide distribution of patient situations. Includes direct patient care necessary for completion of program objectives. All skills are first taught in EMS 220 and EMS 221 in a classroom setting before being performed under direct supervision on live patients in the clinical setting. This is the first course in a two-course clinical series. Prerequisites: EMS 210, EMS 220. Corequisites: EMS 211, EMS 221. Audit available.

EMS 232 Paramedic Clinical 2, 3 Cr. Continues the field experience started in EMS 231 and is designed to expose the student to disease and injury conditions comparable to those experienced by paramedics in pre-hospital care situations. Explores multiple departments within the hospital/clinical setting, enabling the student to see a wide distribution of patient situations. Includes direct patient care necessary for completion of program objectives. All skills are first taught in EMS 220, EMS 221 and EMS 222 in a classroom setting before being performed under direct supervision in the clinical setting on live patients. This is the second course in a two-course clinical series. Prerequisites: EMS 211, EMS 221. Corequisites: EMS 212, EMS 222. Audit available.

EMS 270 Paramedic Capstone Internship, 9 Cr. Includes preceptor supervised intensive clinical training as a lead crew member aboard a licensed advanced life support transport vehicle. Links knowledge and skills learned in previous lecture, lab and clinical courses into a culminating field internship experience in which students will be required to provide evidence that they have achieved entry-level competence. Students are responsible for their own transportation to and from the clinical sites. Prerequisites: EMS 212, EMS 222, EMS 232.

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 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, 3 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 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 201 History of the United States to 1840, 4 Cr. Examines cause and effect, and significant trends and movements related to political, social and economic ideas and events from Colonial times to 1840. History courses are non-sequential and may be taken in any term and in any order. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

HST 202 History of the United States 1840-1914, 4 Cr. Examines cause and effect, and significant trends and movements related to political, social and economic ideas and events from 1840 to 1914. History courses are non-sequential and may be taken in any term and in any order. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

HST 203 History of the United States 1914 to present, 4 Cr. Examines cause and effect, and significant trends and movements related to political, social and economic ideas and events from 1914 to present. History courses are non-sequential and may be taken in any term and in any order. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or 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.

IRW 115L Corequisite for Critical Reading and Writing, 1 Cr. Focuses on the foundational skills, concepts, and communication needed to be successful in Critical Reading and Writing. Provides appropriate support in writing, reading, and study skills in an interactive setting. Co-requisite: IRW 115 or WR 115.

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 and PLCs 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 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 201 Tube and Pipe Fabrication 1, 3 Cr. Introduces beginning tube and pipe fabrication with welding concepts. Covers basic mathematical concepts for tube and pipe fabrication and explores modern equipment and tooling used to create products and infrastructure from tubing and piping. Prerequisites: MFG 150, MFG 155. Audit available.

MFG 202 Tube Fabrication, 3 Cr. Builds on MFG 201 to integrate mathematical concepts and technical literacy to generate useful products created from tubing. Focuses on tube fabrication. Integrates multiple welding skills and tubing specific fabrication equipment, industry standard products are created and toleranced to specification. Prerequisite: MFG 201. Audit available.

MFG 203 Pipe Fabrication and Welding, 3 Cr. Develops a wide variety of pipe welding skills and fabrication skills, and serves as an introduction into the pipe welding and steamfitting industries. Explores industry requirements and procedures, necessary math and tool skills needed to begin in fields related to welding pipe. Prerequisite: MFG 201. 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. Prerequisite: MFG 155. 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. Prerequisite: MFG 157. 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 280 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 95L 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 105L 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 111L 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 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 251 Calculus I, 5 Cr. Includes limits, continuity, derivatives and applications. Prerequisite: MTH 112. Audit available.

MTH 252 Calculus II, 5 Cr. Includes anti-derivatives and integrals, definite and improper integrals, and applications including direct application of integration and solving basic differential equations. Prerequisite: MTH 251 and its prerequisite requirements. Audit available.

MTH 253 Calculus III, 5 Cr. Includes infinite sequences and series, Taylor series and applications, equations of lines and planes in three dimensions, vectors in 3D, and differentiation and integration of vector valued functions with applications. Prerequisite: MTH 252 and its prerequisite requirements. 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 includes learning about self-care as well as patient health practices. 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 the practice of nursing. Includes classroom and clinical learning experiences with clinical practice of selected nursing skills. Prerequisites: formal admission into 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.

Office Systems | OS

OS 131 10-Key for Business, 1 Cr. Develops 10-Key skills by touch with an emphasis on speed and accuracy. Helps prepare the student for office environments where 10-Key skills are needed. Prerequisite: placement into MTH 65 or MTH 98. Audit available.

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.

OS 245 Office Systems and Procedures, 4 Cr. Develops the skills of an administrative professional for current business practices. Uses computer technology for tasks such as scheduling, email, and faxing. Develops communication, organization and prioritizing skills, telephone techniques, problem solving, and analytical abilities. Analyzes current trends in workplace ethics and the multi-cultural workplace. Develops workplace readiness and applies job search skills for current job market. Prerequisites: CAS 216 and OS 220. Audit available.

OS 280F Cooperative Education: Administrative Assistant, 1-5 Cr. Provides field experience for the administrative assistant student. Student is responsible for arranging field experience site by start of term. Recommended: IRW 115 or WR 115 or equivalent placement. Prerequisite: Satisfactory progress through at least 15 credit hours of CAS/OS courses, or instructor permission. Prerequisite/concurrent: OS 280G. Audit available.

OS 280G Cooperative Education: Administrative Assistant Seminar, 1 Cr. Supplements the work experience portion of cooperative education and the student's on-campus program through feedback sessions and instruction in job-related area. Recommended: IRW 115 or WR 115 or equivalent placement. Prerequisite: Satisfactory progress through at least 15 credit hours of CAS/OS courses, or instructor permission. Prerequisite/concurrent: OS 280F. 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 U.S. 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 Human 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 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 204 Sociology in Everyday Life, 4 Cr. Introduces the sociological perspective and the scientific study of human social behavior. Focuses on the core concepts, theories, and research on human interactions within social groups and how people are shaped by their social locations (status, roles, race, class, sex, age, etc.) within society's structures, stratification systems, and institutions, and by cultural processes such as socialization and group dynamics. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

SOC 205 Social Change in Societies, 4 Cr. Explores how societies have changed and are changing by utilizing sociological perspectives to compare and contrast the impacts of changes on individuals, cultures, and social institutions (such as the family, economy, politics, education, and religion). Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

SOC 206 Social Problems, 4 Cr. Applies the sociological perspective to the study of social problems, including their identification, analyses of causes and consequences, and considerations of possible solutions. Explores topics such as inequality, poverty, crime and delinquency, substance abuse, discrimination, domestic violence, the environment, global stratification, and international conflict. Prerequisite: 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 101 First Year Spanish—First Term, 4 Cr. Emphasizes active communication in beginning Spanish. Includes listening, speaking, reading, writing, pronunciation, structure, vocabulary and culture. For beginners. First term of a three-term sequence in First Year Spanish. Prerequisite: placement into MTH 65 or MTH 98. Prerequisite/concurrent: WR 121 or WR 121Z. Audit available.

SPA 102 First Year Spanish—Second Term, 4 Cr. Continues the work of SPA 101. Emphasizes active communication in Spanish. Includes listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture. 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 103 First Year Spanish—Third Term, 4 Cr. Continues the work of SPA 102. Emphasizes active communication in Spanish. Includes listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture.

Prerequisites: Completion of SPA 102 or instructor permission; 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.

Stastistics | STAT

STAT 243L 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 180A 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 180B 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 180C 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 180D 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 101 Introduction to Web Design & Development, 1 Cr. Explores the different roles, skill sets, jobs, and tools associated with the website development and design industry. Introduces the Web Design Assistant & Development program, including course options, software, and basic web terminology, as well as the uploading of pages to a server using File Transfer Protocol (FTP) and equipment requirements. Recommended: CAS 133 or equivalent file management and word processing experience. Prerequisite: IRW 115 or WR 115 or equivalent placement. Audit available.

WT 102 Social Media Marketing, 3Cr. Examines social media platforms, tools and strategies. Covers social media policy, legal considerations and community etiquette. Recommended: IRW 115 or WR 115. Audit available.

WT 105 Writing for the Web, 3 Cr. Examines elements of effective online writing and digital content design. Develops skills in grammar and proofreading. Introduces search engine optimization techniques, accessibility, copyright laws and open resources. Recommended: IRW 115 or WR 115. Audit available.

WT 106 Intro to HTML for Designers, 2 Cr. Introduces beginning HTML (Hypertext Markup Language) for designers of web pages. Includes codes and tags, FTP (file transfer protocol), and validating HTML codes using industry standards. Introduces elements of web design including story boarding, color palettes, fonts, and layout. Introduces web site organization and navigation via internal and external links. Compares and contrasts hosting services, including cost, technical support, and additional services such as PHP, JavaScript, shopping carts, and SEO. Recommended: CAS 133. Audit available.

WT 180 Search Engine Optimization, 2 Cr. Examines search engine basics, on and off-site optimization and analytics. Develops skills and techniques for Search Engine Optimization (SEO). Introduces Search Engine Optimization strategy and research techniques to stay current on industry SEO standards. Recommended WT 101. Audit available.

WT 181 Digital Marketing Strategies, 3 Cr. Examines digital marketing tools and tactics. Explores search engine optimization, analytics, and relationship marketing. Covers research techniques for staying current with industry standards. Recommended: IRW 115 or WR 115. Audit available.

WT 200 Web Trends, 1 Cr. Identifies trends in web design and development, and explores limitations and opportunities for developing web applications on tablets and mobile devices such as cell phones. Explores the history of web design, the migration from static text pages to multimedia and cloud computing, and how different browsers and devices render web pages and content. Recommended: CAS 133 or equivalent file management and word processing experience. Prerequisite: WT 101. Audit Available.

WT 206 Web Design with HTML, 4 Cr. Introduces Hypertext Markup Language (HTML) using HTML5 standards. Presents the foundation for future web design course work and career opportunities: hand coding of basic HTML; links, lists, tables, and forms; web graphics and colors; accessibility; best practices; and an introduction to Cascading Style Sheets (CSS). Includes creating a multi-page website and uploading the site using File Transfer Protocol (FTP). Recommended: CAS 133. Audit available.

WT 213 Cascading Style Sheets, 4 Cr. Introduces the use of external Cascading Stylesheets (CSS) to format web pages that comply with industry and accessibility standards, work in multiple browsers, and adapt to a variety of screen display sizes. Includes established CSS terminology as well as CSS3 innovations, applying graceful degradation and progressive enhancement to provide improved aesthetics and usability for the web user. Prerequisites: IRW 115 or WR 115 or equivalent placement; WT 106 or WT 206. Audit available.

WT 215 JavaScript and jQuery, 4 Cr. Introduces JavaScript for writing client-side scripts for creating dynamic (interactive) web pages. Explores ways to make a web site come alive with a variety of interactive effects such as displaying and hiding text or images, filling out form fields automatically, and creating interactive maps or calendar. Uses jQuery, an extensive, feature-rich library to make JavaScript more accessible to the novice web designer. Prerequisite: WT 213. Audit available.

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 121L 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 – Scriptwriting, 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, Gorge Literacy, 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*
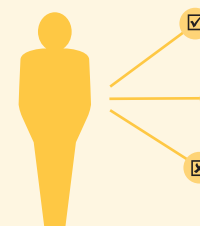
New Student Orientation is an opportunity for you to learn how to navigate campus.

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.

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, or a paper admissions form is available by request.
- 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.
- All credit students must meet with an academic advisor prior to registration to obtain registration permission, known as a "Clear to Register."
- 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 121 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 who score into Pre-College classes on the placement assessment or are placed vi 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 are not eligible for GED®.

The English for Speakers of Other Languages (ESOL) program is open to persons 18 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 Registrar.

- 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, passing a physical exam, 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. The course description for each class will list any special admissions requirements, and 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 on 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.
- Ed2Go course registratino 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, 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 the Student Services office within one week of approval. Permission 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 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, 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 course 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 show some 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, wait-listed 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.

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 show activity by the first Wednesday of the term. 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.

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.

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 indicating 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.

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—Nonsatisfactory 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.

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 or at 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 of P and NP and all marks (SC, NSC, I, W, X, CIP, E, NS, AUD, CM, PR, N, L, and UP) 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 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
- During this meeting the student's ability to register is reestablished. However, in order for the student to be given approval to register for

the following term the student must:

- Schedule and attend a midterm advising appointment
- Submit a mid-term progress report form for each credit class the student is enrolled in
- Per the mid-term progress report(s), demonstrate Satisfactory Academic Progress
- If the student is found to be making Satisfactory Academic Progress, the hold on the student's ability to register for the following term will be lifted.

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 transrip, ohwever, 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

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: 3.25 - 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 prior coursework and degree completion was conferred under the accreditation of Portland Community College, and thereafter moved to transfer credit in 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

To obtain a transcript of courses completed at CGCC, a student must complete a Transcript Request form available in the Student Services Office or online. There is no charge for a regular request for official transcripts.

Unofficial transcripts can be viewd and printed via MyCGCC.

Note: During the 2024-25 academic year, CGCC will be moving to an electronic process for requesting official transcripts. Visit cgcc.edu/transcripts for updates on this change.

Graduation

cgcc.edu/graduation

Receiving a Degree

All students graduating from CGCC must complete the graduation requirements for the program they are pursuing. The final eight credits that apply to a degree and/or certificate must be taken at CGCC..

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.

Other Academic Credits

Independent Study

Independent Study courses are those completed in a self-paced format with limited instructional support. A limited number of courses may be taken as independent study classes when a lecture class is not an option and must be approved in advance by the Vice President of Instructional Services.

Course Challenge for Credit

Students may elect to challenge a course for credit prior to enrollment in the course. Only select credit courses are eligible for challenge.

- Students must be currently registered in credit courses or have previously completed credit courses at Columbia Gorge Community College in order to challenge a course.
- Challenge credit may not be used to meet the residency requirement or count towards financial aid award status.
- 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, P, or NP).
- The department may issue a letter grade or "Pass" for successful completion of a challenge.
- No more than 25 percent of required degree or certificate credits can be met through course challenge.

If the challenge is successful and a student would like the credit transcripted, payment of the course tuition rate in effect at the time of testing is required. If the challenge test is for competency to meet a prerequisite, the student only pays for the testing fee. All challenge courses will appear on a transcript as "by examination."

Non-Traditional Credit

- Students must have an established transcript at CGCC before non-traditional credit can be awarded.
- A maximum of 45 credits of non-traditional credit may be granted.
- Non-traditional credit may not be used to establish CGCC's residency requirement.
- Only those subject areas taught by CGCC will be considered.

Non-Traditional Credit Evaluation

Only college credit CGCC students may request a non-traditional credit evaluation. The student must submit to the Registrar verification of completion of non-traditional credit by nationally standardized tests such as Advanced Placement Scores (AP), College Level Examination Program (CLEP), International Baccalaureate (IB), and other non-accredited training programs. Each evaluation requires that all documentation and the Non-Traditional Credit form must be submitted. Information on how the test scores convert to credit is located on the Credit for Prior Leearning webpage at cgcc.edu/CPL.

Credit for Prior Learning

cgcc.edu/CPL

Credit for Prior Learning is a program that allows students to demonstrate their mastery of subject matter through various means such as exams, portfolios, and other assessments. This means that students can earn college credit for prior learning experiences, including (but not limited to) work experience, military training, volunteer work, and independent study.

By participating in this program, students can save time and money by accelerating their degree completion and reducing the number of courses they need to take. They can also focus on courses that are more relevant to their career goals and interests, and gain a competitive edge in the job market by demonstrating their skills and knowledge.

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 Columbia Gorge Community College Credit.

Students must submit an official AP exam score report along with a Non-Traditional Credit form to Student Services..Upon receipt of the required documentation, the Registrar will apply the applicable courses to the student's record.

Information on how test scores convert to credit is located on the Credit for Prior Learning webpage at cgcc.edu/CPL.

College Level Examination Program (CLEP)

The CLEP is a set of standardized exams that allow students to earn college credit for knowledge they already have, based on their prior education or experience. CGCC accepts CLEP scores for some, but not all, subject areas.

Students must submit an official CLEP score report to the Student Services along with a Non-Traditional Credit form. Upon receipt of the required documentation, the Registrar will apply the applicable courses to the student's record.

Information on how test scores convert to credit is located on the Credit for Prior Learning webpage at cgcc.edu/CPL.

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.

Military Service Credit

American Council on Education (ACE) guidelines will be used with discretion when considering military credit for courses (not occupations) 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.

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.

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.

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 G.I. Bill® – Active Duty Program) or chapter 33 (Post-9/11 G.I. 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 terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three-year period following discharge or release as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal State of residence).

Anyone using transferred Post-9/11 G.I. 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 G.I. Bill®) benefits.

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.

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.

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/

Tuition & Fees

Credit Class Tuition

Price shown is for the 2024-2025 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 both credit and community education classes 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 may be dropped in person at Student Services or over the phone with a Student Services representative. Students must drop prior to the first class meeting to qualify for refund. Students may be dropped for non-payment.

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 Friday 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.

Past Due Accounts

Past due accounts are assessed a late payment penalty of 10 percent of the account balance, up to $75. Holds are placed on past due accounts, restricting future registration and transcripts. 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.

Tuition Payment Installment Plan

The installment plan allows the student to pay their tuition and fees in up to three payments. To qualify for the installment plan, the student must meet all of the following requirements: provide their valid social security number, have a satisfactory payment history, and have a zero account balance. Contact the Business Office at (541) 506-6057 for more information.

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/veteran-resources 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.

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. Please see the Slingshot FAQs section on the store's website for more information.

Return Policy

The CGCC Campus Store accepts returns of undamaged, unworn, unwashed or defective merchandise purchased within 14 days of purchase with receipt. Please head to the store's website for FAQs about Slingshot and course material returns.

Please visit www.cgcc.edu/campusstore or email bookstore@cgcc.edu with any questions.

Child Care Partners
cgcc.edu/ccp

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 provides coaching, mentoring, support and technical assistance to early learning and education professionals. CCP staff are also qualified Early Childhood Education trainers, and their partnership and collaboration with Columbia Gorge Community College 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 offers free quality referrals for students who are seeking child care. Through a local database of child care settings, preschools and school-age programs, CCP provides parents with individualized referrals to meet their child care needs.

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 Coordinator 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 Coordinator 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.

Gorge Literacy

https://ged.cgcc.edu/gorge-literacy/

gorgeliteracy@cgcc.edu

Gorge Literacy provides free, basic literacy instruction and support to all adults in the Columbia Gorge, enabling them to reach their goals and realize their potential in their family, work and community lives. The program trains community volunteers to tutor adults who wish to improve reading, writing, math or English conversation skills. Services are open to all community members and not limited to CGCC students. Tutors meet with students individually or in small groups. There is no charge, and tutors are available to fit a variety of schedules.

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.

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/safety

In compliance with the Federal Campus Crime Awareness and Campus Security Act of 1999 (Clery Act), the college publishes an Annual Safety & Security 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. Paper copies are available upon request.

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

each term, 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

Involvement in student organizations enhances students' overall educational experience. At CGCC, there are a variety of clubs and organizations available to students. Being involved gives students opportunities for leadership positions, community service, volunteering, planning events and more. These opportunities help students develop skills and experience to build their resume and scholarship applications.

Current Student Organizations include Associated Student Government of CGCC, Alpha Sigma Xi Chapter of Phi Theta Kappa International Honor Society, Delta Energy Club, Gaming Club, Juntos Club, CGCC Mathematical Society, CGCC Music Society and the Student Nurse Association.

The Associated Student Government of CGCC operates under a constitution designed to promote student activities that stimulate the social, physical, moral and intellectual growth of students. Student Government provides an important link to other students, college staff, and the public through a variety of activities.

Alpha Sigma Xi Chapter is CGCC's division of Phi Theta Kappa. Phi Theta Kappa is the official honor society of the two-year college, promoting scholarship, leadership, service, and fellowship. Invitations to join are extended to students who have established a minimum GPA of 3.30 after 12 credits of Associate degree coursework. Membership has many benefits, including opportunities for scholarships and leadership training. The chapter at CGCC has been recognized at the local, regional and international level for excellence. Visit www.ptk.org for more information.

Creative Writing Club is a place where writers discuss the challenges of writing, encourage each other, read contemporary literature, build on their skills, and share work. The club may also promote creative writing by

offering readings, talks, workshops, and contributing to the CGCC Literary journal.

EQUAL: Equity through United Action League (EQUAL) commits to building a culture of social equity. We promote fairness and impartiality through the inclusion of all members of our community through opportunities of/openness to self-expression and participation in club activities.

The Gaming Club's purpose is to create an open and inclusive creative space where students can come together for collaborative storytelling and critical thinking through tabletop gaming. The current campaign is set in the Dungeons & Dragons gaming platform, and combines elements from the Forgotten Realms campaign setting with homebrew content. Students and staff interested in participating should email the club at gamingclub@cgcc.edu.

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.

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.

Unable to find the tutoring schedule or make a connection with the appropriate faculty? 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, or at the front desk in Hood River. 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 seven 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 is equipped with computers, a Jam Board, and a copier, printer, and scanner. The library offers laptops, webcams, and some textbooks for term-length checkouts. The Library is also home to The Cove tutoring center and the creative writing office, which allows the LLC to provide a one-stop location for academic support services for students while they attend 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. A librarian will respond to their CGCC email address with their login

credentials.

Library Services for Faculty

The LLC oversees the course development process, 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. Washington residents have several options for borrowing materials and should contact the library for details. 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. 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 Services

Copying 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 credit program that, through the coordination of Columbia Gorge Community College and local high schools, offers high school students the opportunity to earn transferable college credits while taking certain approved high school classes. These courses are designed to award dual credit (high school and post-secondary) for courses taken at the local high school. High school instructors meet college faculty qualifications and students' skills must be appropriate to the college-level work.

Why Take College Now Classes?

College Now credits are a fraction of the cost of normal college tuition.

The program is designed for Juniors and Seniors but it is up to the high schools to determine who qualifies for these classes. Students should talk to their high school counselors regarding opportunities available to them through College Now.

Concurrent Enrollment

These concurrent enrollment programs are designed for the high school student to take college-level courses while in high school. These programs are called expanded Options (Oregon) and Running Start (Washington) or Early College. CGCC collaborates with both Washington and Oregon public high schools as well as home school and charter school programs. These programs are typically funded by high schools through Expanded Options (Oregon) and Running Start (Washington) funding, but families can inquire about programs outside of this funding. Please see the college's website or call Student Services for more information.

All students must meet with a CGCC advisor prior to registration. Dual Credit is a great way for students to get a head start on college coursework while still in high school.

Additional Options

CGCC offers several accelerated learning services for high school students. The following options are available:

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

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 Apllication (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 2024-25 award year begins summer term 2024. Students who have not yet filed should do so as soon as possible. When filing the Free Application for FAFSA, use CGCC's school code (041519) to apply for Federal Financial Aid at CGCC. Applications will be accepted throughout the year; however, financial aid is awarded as funding permits. Eligibility for aid is determined when all requests for information have been submitted.

The ORSAA is an alternative to the FAFSA for undocumented Oregon students, including students who have DACA (Deferred Action for Childhood Arrivals) status. 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, go to oregonstudentaid.gov.

Eligibility

The federal government sets the eligibility requirements as follows. Applicants must:
- 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 overreward on federal financial aid or be in default on a federal student loan.
- 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.

Financial Aid Satisfactory Academic Progress

Federal regulations require that students maintain Satisfactory Academic Progress of a 2.0 ("C") cumulative GPA minimum and successfully complete 66.67% of attempted credits. The Financial Aid Office reviews academic performance each term. Grades of A, B, C, D, and P are successful. Grades of F, W, I, and NP are unsuccessful. If a student does not meet the SAP requirements, they may be placed on financial aid warning or may be disqualified from receiving financial aid in the future. Students 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. Students who withdraw, drop out, or stop attending classes may be subject to repayment of financial aid funds to CGCC. The full policy is available at cgcc.edu/sap.

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 Student Aid Handbook. This policy applies to all students receiving Title IV funds who do a complete withdrawal 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

Transfer degrees
- Associate of Arts Oregon Transfer (AAOT)

- Associate of Science Oregon Transfer—Business (ASOT-BUS)
- Associate of Science (AS)
- Associate of General Studies (AGS)

Associate of Applied Science degrees

- AAS: Accounting
- AAS: Administrative Professional
- AAS: Advanced Manufacturing & Fabrication
- AAS: Aviation Maintenance Technology
- AAS: Construction Technology
- AAS: Early Childhood Education
- AAS: Electro-Mechanical Technology
- AAS: Entrepreneurship/Small Business Management
- AAS: Nursing
- AAS: Paramedic

Certificates

- Accounting/Bookkeeping
- Administrative Assistant
- Entrepreneurship
- Medical Assisting
- Web Design Assistant
- Web Development Assistant

Limited Eligibility Programs

While completing prerequisites for a program that has a competitive/point 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 one time 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 FamilyEducational 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 nd 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.

Student Right-to-Know

cgcc.edu/student-right

Federal law requires Columbia Gorge Community College to notify all students registered in credit programs where they can find certain information about the college. The specific types of information that a student may be interested in reviewing include:

- Financial Aid information
- Graduation rates
- Student rights under the Family Education and Privacy Act (FERPA)

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 a 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

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.

Ilicit 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 Awareness Program

The Drug Free School and Communities Act and Amendment of 1989 require that colleges provide all students with certain information on illegal and illicit drugs. This law is tied to eligibility for federal financial assistance.

Annual notice is given to students of the following:

- The dangers of alcohol/drug abuse in the workplace/school;
- The district's policy of maintaining an alcohol/drug-free workplace/school;
- Information on appropriate, available alcohol/drug counseling or assistance programs;
- Notice of the penalties that may be imposed upon employees/students for alcohol/drug

  abuse violations in the workplace/school.

Animals on Campus

Pets and other animals are restricted on the CGCC campus in order to maintain a healthful and secure environment for members of the campus community to study and work, to preserve the flora, fauna, and natural beauty of the campus, to comply with local animal ordinances, and to ensure public safety. No animals are allowed in campus buildings or facilities during hours of instruction or normal business operations. Exceptions are provided for service animals and animals being used for specific pre-authorized instructional purposes. *Any further exceptions to CGCC's animals policy must be approved by the Executive Director of Infrastructure.

Live On Campus!

In summer 2021, CGCC completed the first ever exclusive student housing project in the Columbia Gorge.

The new suites are move-in ready and feature two bedrooms for up to four occupants, have a variety of amenities, a bathroom, living room, high-speed internet, with on-site laundry, and all utilities included. Additionally, the residence hall's quiet study area and lounge has views overlooking the Columbia River and center of campus!

With reasonable meal plans, and a shared kitchen in the residence hall, living on campus is more affordable than you might think!

Reserve your spot at cgcc.edu/housing

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

Lisa AbuAssaly George | Director of Diversity, Equity and Inclusion

Karly Aparicio | Director of Advising & Outreach

Susan Davis | Executive Director of College Advancement and the Foundation

Danny Dehaze | Executive Director of Infrastructure

Mark DeMoss | Interim Vice-President of Administrative Services | Controller

Jared Dill | Director of Enrollment Services

Michael Espinoza | Vice-President of Student Services

Dr. Jarett Gilbert | Vice-President of Instructional Services

Catherine Graham | Registrar

Courtney Judah | Executive Director of Institutional Effectiveness

Anne Kelly | Director of Pre-College and ESOL

Susan Lewis | Dean of Teaching and Learning Foundations

Nancey Patten | Director of Childcare Resource and Referral

Tom Penberthy | Director of Marketing and Communications

Greg Price | Small Business Development Center Director

Tiffany Prince | Director of Housing and Student Life & Director of Executive Services

Dan Saldivar | Director of Facilities Services

Tori Stanek | Associate Dean of Teaching and Learning Foundations

Staff

Ines Aguirre | Facilities Services Technician

Blanca Aunger | Student Services Support Specialist

Ashley Beardmore | Student Success Navigator

Andrea Becerra | STEP Coordinator

James Beedie | Instructional Assistant - Math Tutor

Marco Beitl | Benefits Navigator

Amanda Bernal | Infrastructure Administrative Assistant

Mavi Bonfil | Facilities Services Technician

Nida Bonfil | Cafe Coordinator

Board of Education

The CGCC Board of Education consists of seven members who are elected from the community. Three seats are reserved for Hood River County and four seats are reserved for Wasco County.

Board Chairperson

Tim Arbogast (Hood River County)

Hood River County	Wasco County
OraLee Branch	Lucille Begay
Laura de la Torre	Jonathan Fost
	Kim Morgan (Vice-Chairperson)
	Nathanael Stice

Natalie Bronson | SBDC Advisor

Ryan Brusco | Professional Development Navigator

Colton Buck | Information Technology Specialist III

Rhianna Byrd | Bilingual Professional Development Navigator

JoAnn Chambers | Accountant

Tea Church | Student Life and Housing Coordinator

Charlotte Cusack | Academic Advisor

Shayna Dahl | Student Support Services Coordinator

Josiah Dean | SBDC Advisor

Joyce Drzewiecki | Accounts Receivable Coordinator

Martin Fiegenbaum | Accounting Specialist-AP

James Fitzpatrick | Technology & Trades Coordinator

Matt Fitzpatrick | Youth Compass Advisor

Brenda Garcia Lua | Manager of Payroll and Human Resources

Jessica Griffin Conner | Assistant Director of Student Outreach & Communications

Brian Gross | Facilities Services Technician

Madeline Heitkemper | Career Advisor

Leslie Hildula | SBDC Advisor

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

Fen Kacin | Outreach and Recruitment Coordinator

Stephen King | Instructional Technology Coordinator

Erin Kost | Preschool Promise Coach & Quality Improvement Specialist

Samantha Layna | Child Care Partners Training Coordinator

Katy Martin | Nursing and Health Occupations Administrative Assistant

Brenda Massie | Quality Improvement Coordinator

Dylan McManus | Career Connected Learning Systems Navigator

Todd Meislahn | SBDC Advisor

Carlos Mendoza | Small Business Development Center Associate Director

Traci Miller | Career Advisor–Title 1B, Adult Dislocated Worker Program

Mike Moreno | Gorge Works Internship Coordinator

Sara Mustonen | Instructional Systems Coordinator and Director of Title III

August Oaks | Marketing Coordinator

Noemi Ochoa | Child Care Partners Assistant Director

Inocente Olivan | Facilities Services Manager

Amber Ortiz | ESOL Instructional Assistant

Angelina Piza | Facilities Services Technician

Gary Powers | Facilities Services Technician

Sarah Raymond | Title II Data and Program Specialist

Dezi Remington | Academic and Career Coordinator

Theresa Rocha | Bilingual Mentor & Tutoring Service Coordinator

June Rodriguez Sanchez | Child Care Partners Administrative Assistant

Emilie Sanchez Lopez | Academic and Career Coordinator

Mike Scroggs | Career Advisor-Title 1B, Adult Dislocated Worker Program

Kasten Spethmann | SBDC Advisor

Amy Stoffer | Foundation Administrative Assistant

Michael Taphouse | Associate Director of Advising

Kat Twomey | Retail Operations Manager

Kathy Viemeister | Library Coordinator

Sara Viemeister | Financial Aid Coordinator

Sara Wade | Instructional Services Administrative Assistant

Ron Watrus | Information Technology Specialist III

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

Courtney Judah | Executive Director of Institutional Effectiveness
Office: Rm 2.138 Phone: (541) 506-6151

Michael Espinoza | 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

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

Carrier, Bruce | Nursing
B.S. Nursing, Boise State University, ID

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

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

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

Gebhardt, Gretchen | Geology, General Science
B.A. Geology, State University of New York at Geneseo, NY
M.S. Geology (Geohydrology), Portland State University, OR

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

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

Hoffman, P.K. | Art
B.S. Fine Arts, University of Oregon, OR"
Post Graduate Teaching Assistantship, University of Iowa, IA
Professional Artist

Holdiman, Amanda | Food and Nutrition
B.A. Sociology & Women's Studies, Mills College, CA
MScN, National University of Natural Medicine, OR

Huszar, Silvia | Spanish
B.S. Chemical Engineering, Universidad del Valle, Colombia
Specialization in Marketing Management, Universidad Libre, Colombia
M.A.T. Education, Western Oregon University, OR
Native Spanish Speaker

Jablonski, Katy | English, Writing
B.A. English, University of Colorado, CO
M.S. Curriculum & Instruction, Portland State University, OR
National Board Certified Teacher English Language Arts/Adolescence & Young Adulthood
M.A. English, Bread Loaf School of English, Middlebury College, VT

Jaeger, Linnea | English for Speakers of Other Languages
B.A. Communication, Gonzaga University, WA
M.A. Education, University of Portland, OR
Oregon Secondary Language Arts Teaching License and ELL Certification
Washington Secondary Language Arts Teaching License and ELL K-12 Certification

Kamrar, Jenn | Reading, Writing
B.A. English, The Evergreen State College, WA
M.A.T. English Composition and Rhetoric, The Evergreen State College, WA

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

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

McKeon, Sascha | Biology
B.S. Biology, Biomolecular Science, Chapman University, CA
Ph.D. Biomedical Science, State University of New York, NY

Meislahn, Todd | Business | Chair, Business
B.S. Music and Business & Administrative Studies, Lewis & Clark College, OR

Merickel, Abigail | Art
B.A. English and Spanish, University of Colorado, CO
Certificate in English as a Second Language, University of Colorado, CO
B.F.A. Painting and Printmaking, Accademia di Belle Arti, Italy
M.A.T. Teaching, George Fox University, OR
Oregon Secondary Education Teaching License
Professional Artist

Miller, Emilie | Biology
B.A. Neuroscience and Biology, Macalester College, MN
Ph.D. Neuroscience, Oregon Health & Science University, OR

Olson, Siri | Business
A.A.S. Accounting, Portland Community College, OR
B.S. Business Management, University of Phoenix, AZ
M.B.A Western Governor's University, UT

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

Saldivar-Witter, Deanna | Nursing
A.A.S. Nursing, Columbia Gorge Community College, OR
B.S. Nursing, Western Governors University

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

Tennent, Suzanne | English for Speakers of Other Languages
B.A. Spanish, French, Education, Westminster College, PA
M.A. Liberal Studies, University of Detroit, MI

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

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) 506-6057
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

East Scenic Drive

Parking

Parking

Amphitheater
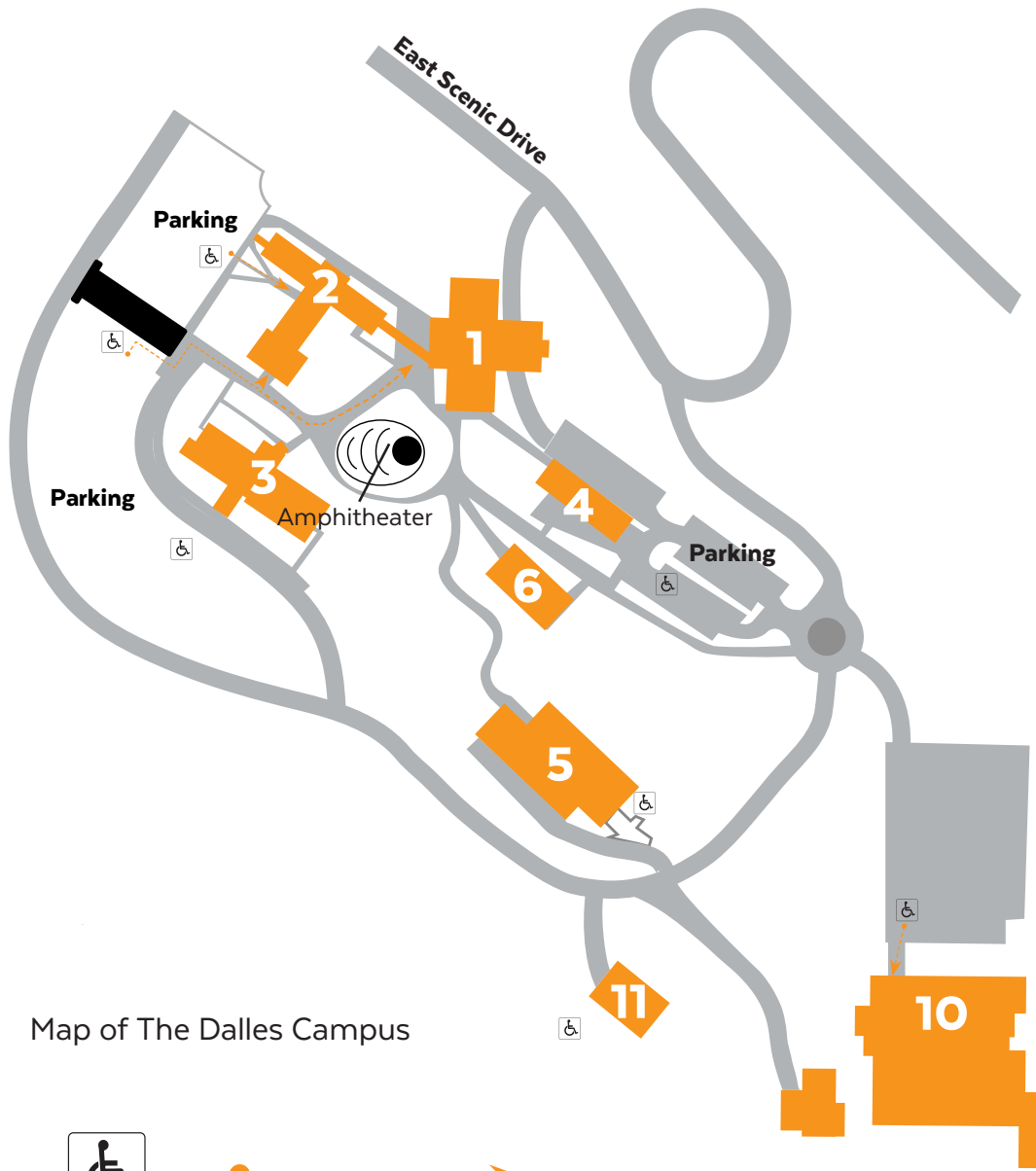
Parking

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

Building 2 (Heath Hall)
Business Office (cashier)
Campus Store (Bookstore)
Child Care Partners
Columbia Gorge ESD
DEQ
OSU Extension Service
Small Business Development Center

Building 3 (Health & Sciences Building)
Biology and Chemistry Labs
Classrooms
Information Technology Department
Instructional Services
Student Services

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

2024

May 2024
Summer and fall term registration begins . . . . May 13 (Monday)

June 2024
Juneteenth Holiday Observed (College Closed) . . . . June 19 (Wednesday)
Summer classes begin . . . . June 24 (Monday)
Last day to drop summer classes with tuition refund* . . . . June 28 (Friday, week 1)

July 2024
Summer late fees begin . . . . July 1 (Monday, week 2)
Independence Day Holiday (College Closed) . . . . July 4 (Thursday)

August 2024
Last day to withdraw from summer classes* . . . . August 16 (Friday, week 8)

September 2024
Labor Day Holiday (College Closed) . . . . September 2 (Monday)
Summer term ends . . . . September 6 (Friday)
Summer term grades submitted (no later than noon) . . . . September 9 (Monday)
Summer grades available online . . . . September 11 (Wednesday)
Faculty In-Service . . . . September 16 (Monday)
Fall classes begin . . . . .September 23 (Monday)
Last day to drop fall classes with tuition refund* . . . . September 27 (Friday, week 1)
Fall late fees begin . . . . September 30 (Monday, week 2)

October 2024

November 2024
Veterans Day Holiday (College Closed) . . . . November 11 (Monday)
Winter term registration begins . . . . November 12 (Tuesday)
Last day to withdraw from fall classes* . . . . November 15 (Friday, week 8)
Thanksgiving Holiday (College Closed) . . . . November 28, 29 (Thursday & Friday)

December 2024
Fall term ends . . . . December 6 (Friday)
Final grades submitted (no later than noon) . . . . December 9 (Monday)
Fall grades available online . . . . December 11 (Wednesday)
Winter Holiday (College Closed) . . . . December 24-January 1

2025

January 2025
Winter classes begin . . . . .January 6 (Monday)
Last day to drop winter classes with tuition refund* . . . . .January 10 (Friday, week 1)
Winter late fees begin . . . . .January 13 (Monday, week 2)
Martin Luther King Jr. Holiday
 & National Day of Service (College Closed) . . . . January 20 (Monday)

February 2025
Spring term registration begins . . . . February 17 (Monday)
Last day to withdraw from winter classes* . . . . February 28 (Friday)

March 2025
Winter term ends . . . . March 21 (Friday)
Final grades submitted (no later than noon) . . . . March 24 (Monday)
Winter grades available online . . . . .March 26 (Wednesday)
Spring Break (College Services Open) . . . . .March 24-March 28
Spring classes begin . . . . .March 31 (Monday)

April 2025
Last day to drop spring classes with tuition refund* . . . . April 4 (Friday, week 1)
Faculty in-service . . . . .April 4 (Friday week 1)
Spring late fees begin . . . . April 7 (Monday, week 2)

May 2025
Last day to withdraw from spring classes* . . . . May 23 (Friday, week 8)
Memorial Day Holiday (College Closed) . . . . .May 26 (Monday)

June 2025
Graduation & Commencement for Class of 2024 . . . . June 13 (Friday)
Spring term ends . . . . June 13 (Friday)
Final grades submitted (no later than noon) . . . . .June 16 (Monday)
Spring grades available online . . . . June 18 (Wednesday)
Juneteenth Holiday Observed (College Closed) . . . . June 19 (Thursday)

Equivalent timelines apply to classes shorter than 11 weeks. Consult your class schedule for specific dates.