

# Blue Mountain

COMMUNITY COLLEGE

EDUCATION ♦ CONNECTED

2022-23  
Academic  
Catalog



# Catalog Home

The *Academic Catalog* outlines, in detail, the requirements for the degree and certificate programs offered at Blue Mountain Community College.

Candidates for academic awards assume the responsibility of reading the catalog; adhering to all policies pertaining to degree and certificate completion; earning the minimum number of credits as outlined for a degree or certificate program; and achieving the specified minimum course grades and grade point averages required for the academic degree program or required for a certificate program.

## **Notification to all Applicants for Admission and Students**

This catalog is for information purposes and does not constitute a contract. This catalog expires and cannot be used for graduation after the end of spring term 2023. The requirements must be completed within five years of the beginning date of the catalog selected. Degree and certificate requirements must be from one catalog, which begins in the summer term and runs through the end of spring term of the next calendar year. All regulations and conditions other than those stated above are subject to change. Blue Mountain Community College reserves the right to make changes in this catalog as needs arise and to make final interpretations of the statements contained therein. Without notice the College reserves the right to change tuition, fees, and related requirements and regulations as prescribed by the Board of Education, the Higher Education Coordinating Council, or Legislative action.

## **Important Contacts**

Section 504 Coordinator - P.O. Box 100 - Pendleton, OR 97801 541-278-5958

**Blue Mountain Community College is accredited by the Northwest Commission on Colleges and Universities.**

BMCC is an equal opportunity educator and employer. To view BMCC's Equity and Non-Disclosure Policy [CLICK HERE](#).

# Welcome to BMCC

Blue Mountain Community College (BMCC) is a comprehensive community college committed to providing a premier learning environment and support for student success.

Program areas include:

- Career and Technical certificates and degrees
- College transfer degrees
- College preparatory and adult basic skills training
- Workforce development programs
- Continuing education
- Community education
- Early College Credit

BMCC offers students high-quality instruction, affordable tuition, small class sizes, and student support services such as tutoring, computer labs, academic advising, and disability accommodations.

Though its taxing district comprises Baker, Morrow, and Umatilla counties, BMCC serves all of northeastern Oregon - including Grant, Union, and Wallowa counties - through its locations in Pendleton, Hermiston, Baker City, Milton-Freewater, Boardman, La Grande and John Day. In addition, BMCC provides selected on-site services to the Confederated Tribes of the Umatilla Indian Reservation. BMCC uses distance education learning modalities to serve residents throughout the region, as well as a small number of students from around the world.

On average, BMCC employs 250 full-time and part-time persons, with an annual payroll of more than \$15 million.

In 2018-2019, BMCC enrolled 6,220 students, of which nearly 50% were seeking a certificate or associate's degree. Sixty percent of students received some form of financial aid in 2018-19, and the average financial aid award amount for students in 2018-19 was \$7,887. The BMCC Foundation awarded more than 227 different scholarships, totaling more than \$388,000 in 2018-19. Early College Credit classes are offered to area high school students; 11,250 credits were awarded to 1,340 students enrolled in college credit courses in 2017-2018. BMCC has also saved students more than \$500,000 annually in textbook costs thanks to the use of Open Education Resources in nearly a quarter of BMCC classes.

Typical of community college student populations, the average age of all BMCC students is 27. Student demographic data rely on self-reporting: 37% of students identified themselves as belonging to minority populations, and 3% students identified themselves as veterans. Class size is generally fewer than 30 students.

## President's Welcome

### President's Welcome

On behalf of the faculty and staff, it is my pleasure to welcome you to the BMCC family. Whether you are joining us for college preparation, to earn a degree or certificate, gain technical training or assistance with workforce development, or for personal enrichment or self-improvement, we look forward to helping you find success at BMCC. To assist you in achieving your goals, BMCC offers an extensive advising program that is structured to facilitate a smooth transition into college life and to chart a course toward the accomplishment of your educational objectives. BMCC provides guidance in identifying financial aid and scholarship options to help you afford your education. Please take advantage of these services and schedule an appointment with an advisor soon - it will greatly improve the quality and value of your time at BMCC. Our faculty and staff are committed to putting Students First. Besides some of the highest quality programs and instruction, I encourage you to engage with clubs, team sports, student-government sponsored events and more. You will grow closer to your fellow students, find a connection to BMCC and the entire eastern Oregon region.

I look forward to meeting you and helping to make your experience at BMCC educationally and personally rewarding.

Go Timberwolves!

J. Mark Browning, President, Blue Mountain Community College

## Board Welcome

On behalf of the faculty, staff, and the Board of Education, it is my pleasure to welcome you to the BMCC family. Whether you are joining us for college preparation, to earn a degree or certificate, to gain technical training or assistance with workforce development or for personal enrichment or self-improvement, we look forward to helping you find success at BMCC.

You are joining us at an exciting time as we launch a new program in Medical Assisting and a non-technical credential in unmanned aviation vehicles/drones- two new opportunities that will meet the workforce needs of area employers.

This academic year, to better support student learning and success, we are launching Recruitment & Retention Experts, who will serve as a one-stop shop for prospective and current students.

For prospective students, our Recruitment & Retention Experts will help you stay on target to complete your goals at BMCC by assisting you with valuable learning and support resources such as peer tutoring, library services, and referrals to other professional services available to BMCC students.

We offer a variety of team sports, clubs, student government-sponsored events, and cultural activities to enrich your experience and bring you closer to your fellow students and community.

All of us at BMCC look forward to meeting you and helping to make your experience at BMCC educationally and personally rewarding.

Jane Hill

Chair, Blue Mountain Community College Board of Education

## About Blue Mountain Community College

### History

Blue Mountain Community College was established on July 1, 1962, after winning an overwhelming five-to-one vote of confidence by the residents of Umatilla and Morrow counties.

The College opened its doors in September of that same year. Vocational-technical courses were initially taught at Pendleton's John Murray Junior High School; college transfer programs were added a year later. In 1965, BMCC moved the campus to the north hill overlooking Pendleton. Within 10 years, the original construction plans for the college were completed. In September 1992, the college purchased Columbia Hall in Hermiston to accommodate a growing student population in western Umatilla County. In October 1993, the College created a center in Milton-Freewater by leasing the former US Bank Building. In 1994, the Milton-Freewater Continuing Education Office and Basic Skills Center moved to the same location.

BMCC's distance education program continues to grow with over 380 courses available. Distance education delivery is now primarily Web-based. There are complete links to faculty instructors and other classmates through this model. Additionally, there are complete degree programs available to our students via distance education. In fact, all BMCC course offerings now have technology components incorporated into them so that students are exposed to and comfortable with the expanding technology that has become an everyday part of our lives.

In November 1998, the voters in Morrow and Umatilla counties passed a bond measure for facility expansion in district growth areas. The bond financed expansion of the centers in Hermiston and Milton-Freewater and the opening of the BMCC Morrow County Center in Boardman. The Pendleton campus expansion included new technical agriculture buildings, a new science and technology building, and the remodeling and upgrading of older facilities.

A ballot measure in March 2000 annexed Baker County into the BMCC district. Classes at BMCC Baker County began in the fall of 2000. In 2011, BMCC opened the Eastern Oregon Higher Education Center in Hermiston. The project, five years in the planning, expanded access to postsecondary education for the residents of communities in west Umatilla, north Morrow, and east Gilliam counties. Upon the Oregon State Legislature's approval in June 2009 of \$7.4 million in lottery-backed bonds for the project, and with previously secured funds (including federal appropriations and private donations), BMCC began design and construction of the new building. The building opened for classes in September 2011. There are now nearly 2,000 students taking more than 100 sections of courses at this facility.

Blue Mountain Community College celebrated its 50th anniversary in October 2012. In May 2015, the voters of Morrow and Umatilla counties approved a \$23 million capital construction bond. These funds allowed the College to make efficiency improvements to HVAC and electrical systems and update safety, security and technology on the Pendleton campus. In addition, bond dollars funded the construction of the Workforce Training Center, which opened in April 2017 in Boardman. This facility replaced the old Boardman Center, and houses BMCC's Data Center Technician, Industrial Systems Technology and Early Childhood Education programs, as well as provides general and community education. In June 2017, BMCC opened the Precision Irrigated Agriculture Facility on the OSU Hermiston Agricultural Research

& Education Center property in Hermiston. This facility has allowed further expansion of BMCC's Precision Irrigated Agriculture program an enhanced partnerships with OSU. In September 2017, BMCC opened a new agriculture facility on the Pendleton campus - the Facility for Agricultural Resource Management, or FARM. This facility expanded and enhanced BMCC's nationally-recognized agriculture, animal science and livestock programs. In addition, bond dollars funded the renovation of the Milton-Freewater Center during Summer 2017. BMCC would like to thank the voters of Morrow and Umatilla counties for supporting these projects.

## Living in Eastern Oregon

Many communities in the counties served by the College have unique seasonal festivals and historic architecture that reflect the spirit and history of the region. The world-famous Pendleton Round-Up celebrates the heritage of the West each September with rodeo competitions, community events, and pageants in Pendleton. This cowboy sport is also enjoyed at county fairs and other festivals throughout the region. The Hermiston FunFest, Baker City's Miners' Jubilee, and the Umatilla Landing Days Festival are a few of the many popular events that showcase local products and community pride. Farmers' markets are also a part of eastern Oregon culture. Beginning in the spring and continuing into fall, these weekly gatherings provide access to the freshest produce, arts and crafts, music, and opportunities for visiting with neighbors and new friends.

Bordered by the Blue Mountains, the Columbia River, and rolling crop land, our district abounds in recreational attractions. The local area offers an abundance of year-round recreational sites, including state and national parks. The Umatilla National Forest, under the jurisdiction of the U.S. Forest Service, provides more than 1 million acres of wilderness recreation opportunities. Skiing, snowboarding, fishing, hiking, rafting, and hunting are outdoor activities available to BMCC students, local residents, and visitors. There are also many golf courses, open roads for bicycling, and vibrant parks and recreation organizations providing intramural sports and activities that will keep people of all ages busy throughout the year.

Eastern Oregon has four distinct seasons with a very livable climate. Sun-filled summers see temperatures ranging from 73 to over 100 degrees, while winters average 33 degrees. Humidity is low, averaging 45 to 50 percent. Our dry climate produces about 13 inches of rain each year. Snow is close at hand for winter fun.

The closest major cities to the main campus in Pendleton are Boise, Idaho (223 miles), Portland (210 miles), and Spokane, Wash. (206 miles). There is a small regional airport in Pendleton that serves travelers commuting to and from Portland. Also available at a reasonable distance is the Walla Walla, Wash., airport and the Pasco, Wash., airport.

## Mission, Vision, & Core Values

- **Vision:** Blue Mountain Community College will be a recognized educational leader in achieving student success, completion, and advancement..
- **Mission:** Blue Mountain Community College provides responsive and high-quality innovative educational programs and services that promote personal and professional growth to strengthen our communities.
- **Core Themes:** Access to Quality Programs & Services; Opportunities for Students to Complete, Transfer & Advance; Encourage & Support a Culture of Learning; and Responsiveness to Community Needs
- **Values:** In support of our vision and mission, Blue Mountain Community College values:
  - **Integrity** that promotes trust, honest, ethical behavior, and professionalism.
  - **Communication** that is open, honest, and encourages a cooperative exchange of thoughts and ideas.
  - **Compassionate relationships** based on empathy, kindness, and reliability.
  - **Access** to all in an equitable manner.
  - **Respect** of all individuals for their uniqueness and diversity.
  - **Excellence** in an educational environment that engages, challenges, advances intellectual curiosity, and fosters lifelong learning.

## Strategic Plan & Goals - 2021 - 2024

The Blue Mountain Community College Board of Education reviews the 2021 - 2024 strategic plan on an annual basis and will accomplish the goals listed below. These goals were refreshed in 2020.

- Offer relevant and dynamic education in response to community and industry needs
- Empower students to advance on their educational path in a Students First learning environment
- Foster a culture of learning and growth in an environment of diversity, equity, and inclusion

# Campus and Locations

Typical of many community colleges, Blue Mountain Community College has a main campus, four centers, two contract-out-of-district (COD) locations, and a distance learning delivery system to better serve students in the region. Students have access to the following services at all BMCC locations:

- Information for obtaining financial assistance (grants, loans, scholarships)
- Academic advising and degree planning
- Placement assessments in math, writing, and reading
- Courses, workshops, and other educational offerings
- Tutoring and/or academic assistance; computer labs
- Textbook purchases
- Disability accommodations

Each site offers services unique to its operation, but all enable students to access a variety of distance education and online courses.

## BMCC CAMPUS

### BMCC PENDLETON

P.O. Box 100 / 2411 N.W. Carden Avenue  
Pendleton, OR 97801  
Phone: 541-276-1260  
Fax: 541-278-5871  
Email: [getinfo@bluecc.edu](mailto:getinfo@bluecc.edu)

## BMCC CENTERS

### BMCC BAKER COUNTY

3275 Baker Street  
Baker City, OR 97814  
Phone: 541-523-9127  
Fax: 541-523-9128  
Email: [bmccbaker@bluecc.edu](mailto:bmccbaker@bluecc.edu)

### BMCC HERMISTON (Eastern Oregon Higher Education Center)

975 S.E. Columbia Drive  
Hermiston, OR 97838  
Phone: 541-567-1800  
Fax: 541-289-2876  
Email: [bmchermiston@bluecc.edu](mailto:bmchermiston@bluecc.edu)

### BMCC Precision Agriculture Location

2121 S. First St.  
Hermiston, OR 97838  
Phone: 541-289-2873  
Email: [alegett@bluecc.edu](mailto:alegett@bluecc.edu)

### BMCC MILTON-FREEWATER

311 N. Columbia  
Milton-Freewater, OR 97862  
Phone: 541-938-7176  
Fax: 541-938-3763  
Email: [bmccmiltonfreewater@bluecc.edu](mailto:bmccmiltonfreewater@bluecc.edu)

### BMCC WORKFORCE TRAINING CENTER (Morrow County)

P.O. Box 939 / 251 Olson Rd  
Boardman, OR 97818

Phone: 541-481-2099  
Email: [BMCCMorrowCounty@bluecc.edu](mailto:BMCCMorrowCounty@bluecc.edu)

## **BMCC CONTRACTED OUT OF DISTRICT LOCATION (COD)**

### **BMCC GRANT COUNTY**

835-B S. Canyon Blvd.  
John Day, OR 97845  
Phone: 541-575-1550  
Fax: 541-575-2920  
Email: [getinfo@bluecc.edu](mailto:getinfo@bluecc.edu)

### **BMCC UNION COUNTY**

708 K Ave, #49  
La Grande, OR 97850  
Phone: 541-215-0305  
Email: [getinfo@bluecc.edu](mailto:getinfo@bluecc.edu)

## **Accreditation**

### **Regional Accreditation**

Blue Mountain 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 100, Redmond, WA 98052 (425) 558-4224 | [www.nwccu.org](http://www.nwccu.org)

### **Program Accreditation**

Programs at the college are approved by the Oregon Department of Education, to offer education and training under the various public laws pertaining to financial assistance to veterans.

- **A.A.S. Nursing program:** fully approved by the Oregon State Board of Nursing.
- **Certificate Emergency Medical Technician program:** courses are accredited by the Oregon Department of Education.

## **Equity and Non-Discrimination Policies**

### **Public Notification of Non-Discrimination in Educational Programs**

It is the policy of the Blue Mountain Community College Board of Education that there will be no discrimination or harassment on the grounds of race, color, sex, marital status, sexual orientation, religion, national origin, age or disability in any educational programs, activities or employment. Persons having questions about equal opportunity and nondiscrimination should contact the BMCC Title IX Coordinators,

Room 13 Morrow Hall, Blue Mountain Community College, 2411 NW Carden, Pendleton OR 97801, Phone: 541-278-5947. Email: HR@bluecc.edu. For hearing impaired assistance please call Oregon Relay at 7-1-1.

## **Photo/Video Release Policy**

Blue Mountain Community College (BMCC) uses photographs, photographic images, names, and audio and video recordings of employees and students for general publicity in publications, on its website, on social media, in public relations, promotions, publicity, and advertising, etc.

BMCC does not collect release forms from its students, employees, or guests for the use of images or films taken in public places on campus. Any employees, students (or the parents or guardians of such persons, if under age 18), or guests who do not want to be photographed or recorded, or to have their names, voices, or biographical materials used in connection with any such recording, must notify the Public Relations Office at BMCC.

In addition, employees, students, and guests who do not want to be photographed or recorded, and who have notified the Public Relations Office in writing, are responsible for removing themselves from the area in which photographing/recording is occurring, or notifying the camera operator of their opt-out status. Failure to do so may result in the individual's inclusion in a photograph or recording; it will be deemed equivalent to a release, and will allow the college to use that photograph or recording as it chooses.

Click here to access the Photo Opt Out Release form The form is the second page of this document.

## **Non-Credit Workforce Development and Community Education Programs**

### **Continuing and Community Education**

Continuing Education is for everyone! Learn valuable professional development skills or pursue your personal interests or passions. Our noncredit courses are affordable and we provide a variety of options. Financial aid does not apply and coursework cannot be applied to programs of study that require academic credits. Continuing Education courses are available entirely online or you can enroll in a campus-based class or at one of our Centers. Learn more by visiting [bluecc.edu/learnmore](http://bluecc.edu/learnmore).

### **College Preparatory Programs**

The College Preparatory Department includes the following program areas: adult basic education (ABE), general educational development (GED) preparation, English language acquisition (ELA), and the JOBS program. For more information about any of these programs call 541-278-5795 or visit us on the Web at [www.bluecc.edu](http://www.bluecc.edu).

### **Adult Basic Education (ABE)**

Adult Basic Education classes provide instruction for adult learners in the foundational skills of reading, writing, and math to help them transition into the labor market, higher academics, or vocational training. ABE classes are available to students who have GED credentials or high school diplomas, but have been away from academics for an extended time. ABE programming is available at BMCC in Pendleton, Hermiston, Baker City, Milton-Freewater, and Boardman.

### **General Educational Development (GED)**

General Educational Development classes are offered for students who want to obtain a GED credential, which is a recognized high school diploma equivalent. Students earn the GED when they receive passing scores on the battery of four exams: Reasoning through Language Arts, Mathematical Reasoning, Social Studies, and Science. At BMCC, students can earn college credit while studying for GED certification; the student preparation schedule includes basic math, writing, and reading courses that are tied to college credit. GED programming is available at BMCC in Pendleton, Hermiston, Baker City, Milton-Freewater, and Boardman.



GED instruction is also available for Spanish-speaking students who want to prepare for and take the GED exams in Spanish. Spanish GED programming is available through BMCC in Hermiston and Umatilla.

Online GED Academy is a study site offered as an alternative to students who want to study at their own pace. Online GED Academy is an intuitive and interactive skill-building tutorial, facilitated by a BMCC GED instructor. The site is designed to increase technology skills and help students study for the GED exams.

ABE and GED instruction are also available through BMCC at the Confederated Tribes of the Umatilla Indian Reservation (CTUIR).

Students who earn a GED may participate in the BMCC commencement exercises held in June. Information on participation in graduation ceremonies is available at [www.bluecc.edu/academics/departments/college-preparation/ged-preparation](http://www.bluecc.edu/academics/departments/college-preparation/ged-preparation).

Information on the GED test can be accessed at [www.ged.com](http://www.ged.com).

A high school release is required for students 16 and 17 years old. Information on testing and school release may be obtained from the BMCC testing center in Pendleton at 541-278-5931.

## **English Language Acquisition (ELA)**

English Language Acquisition instruction is offered to all levels of non-English speaking students who wish to improve their ability to read, write, listen, and speak in English. ELA programming is available through BMCC in Pendleton, Hermiston, Irrigon, Milton-Freewater, and Boardman.

College Preparatory Department offices are located in Pendleton, on the upper level of Morrow Hall. Contact the College Prep Program Assistant at 541-278-5795, or the College Prep Program Director at 541-278-5795. The College Prep Department is located in Morrow Hall, M-200.

## **Job Opportunities and Basic Skills for Oregon's Future (JOBS)**

JOBS for Oregon's Future is the state's employment and training program for people on public assistance. Through a contract with the Oregon Department of Human Services Self-sufficiency office, BMCC provides JOBS Program services in Umatilla and Morrow Counties. JOBS services may include individualized guidance and small group classes in employment assessment, intensive work-search assistance, training in workplace basics and work ethics certification, employment stabilization services and life skills. Clients receiving help through the Temporary Assistance for Needy Families Program (TANF) may be eligible for JOBS Plus services, which place people in limited-duration training positions with private employers. The JOBS Program works closely with BMCC's College Preparatory Department, as well as with other BMCC educational services, in order to help JOBS clients meet their goals. The JOBS Program is located at BMCC Hermiston, BMCC Milton-Freewater, and WorkSource Oregon in Pendleton. For more information, please contact the JOBS Program manager at 541-289-2822/541-276-9050 x230.

## **Small Business Development Center (SBDC):**

BMCC's SBDC is part of America's SBDC network that includes 19 centers in Oregon and nearly 1,000 centers across the country. Our SBDC is funded by the college, the US Small Business Administration (SBA), the Oregon Business Development Department and local public and private supporters.

Our premier service is free, confidential, one-on-one business advising by experienced business owners. In addition, training and resources are available to assist small business owners in every aspect of business development and management - many offered online as workshops, webinars, or complete courses.

Our business advisors meet with SBDC clients by phone call or video conference. To take advantage of all the network has to offer, clients don't even have to leave their home or office.

The services of the BMCC Small Business Development Center are available year-round to new or experienced business owners in Baker, Umatilla and Wallowa counties. Clients range from students planning their first business to owners and managers of companies with hundreds of employees. Visit <http://www.bizcenter.org/> for an overview of programs or [www.bizcenter.org/small-business-development-centers/pendleton](http://www.bizcenter.org/small-business-development-centers/pendleton) to register for our services.

## **Contact Us**

(Area Code: 541)

## **BMCC Services**

Admissions	278-5759
Advising	278-5853
Alumni	278-5850
Ambassadors	278-5936
Art Gallery, Betty Feves	278-5952
Athletics	278-5937
Bookstore	278-5733
Box Office (Theater)	278-5953
Business Office	278-5744
Computer Services / Help Desk	278-5827
CTUIR / Tribal Liaison	278-5935
Disability Services	278-5965
Distance and Extended Learning	278-5763/5971
EOU Distance Education	278-5776
Financial Assistance to Students	278-5759
Food Services	278-5946
Foundation	278-5775
Health and Wellness Resource Center	278-5835
Human Resources	278-5837/5947
Inclement Weather Information	276-1260
Instruction, Office of	278-5930
Library	278-5915
Maintenance	278-5903/5904
Marketing	278-5774

President's Office	278-5951
Print Center	278-5966
McCrae Activity Center	278-5896
OSU Extension Office	278-5403
Operations	278-5780
Recruitment (Student)	278-5936
Registrar	278-5757
Room Scheduling	278-5969
Scholarship	278-5850
Service Center	278-5759
Small Business Development Center, Hermiston	564-9021, ext.3341
Small Business Development Center, Pendleton	
Student Employment	278-5759
Student Government Office/Student Activities	278-5948
Student Success Center	278-5958
Student Desk	278-5853
TDD Hearing Impaired	7-1-1
Testing	278-5931/5929
Theater Box Office	278-5953
TRiO Student Support Services	278-5855/5849
Tutoring	278-5741
Veterans' Assistance	278-5165

## **Academic Departments**

Agriculture	278-5868
Apprenticeship	278-5854

Business Administration	278-5930
College Preparatory Programs.	278-5803/5795
Computer Science	278-5877
Criminal Justice	278-5944
Dental Assisting	278-5877
Diesel Technology	278-5868
Early Childhood Education	278-5941
	or 276-1260 ext. 3412
Education	278-5944
Emergency Medical Technician (EMT)	278-5786
English	278-5944
Fine Arts	278-5944
Fire Science	278-5799
Industrial Systems Technology	276-1260 ext. 3411
Mathematics	278-5877
Nursing	278-5877
Physical Education	278-5944
Science	278-5788
Social Science	278-5944
Veterinary Studies	278-5868

## **BMCC Location-Specific Services**

BMCC Baker County	523-9127
	or 276-1260 ext. 3201
BMCC Grant County	575-1550
BMCC Hermiston	567-1800

or 276-1260 ext. 3303

BMCC Milton-Freewater

938-7176

or 276-1260 ext. 3171

BMCC Morrow County

481-2099

422-7040

BMCC Union County

663-3319

College Preparatory Programs

Baker City

523-9127

Boardman

481-2099

Hermiston

567-6615

Milton-Freewater

938-4082

Pendleton

278-5803

JOBS Programs

Hermiston

567-1800 ext. 3322

Milton-Freewater

938-4082 ext. 3175

Pendleton

276-9050 ext. 229

SBDC, Hermiston

564-9021 ext. 3341

Community Corrections Education

276-7824 ext. 249

Eastern Oregon Correctional Institution (EOCI Ed.)

278-7102

Powder River Correctional Facility (PRCF Ed.)

278-7102

Two Rivers Correctional Institution (TRCI Ed.)

922-6135

## Academic Calendar

### 2022 - 2023 Academic School Year

Term/Year	Summer 22	Fall 22	Winter 23	Spring 23
Schedule Opens	5/9/22	5/9/22	10/17/22	2/6/23

Registration Opens	5/23/22	5/23/22	11/7/22	2/27/23
Application & Admission Deadline	6/16/22	9/20/22	1/6/23	3/30/23
"Welcome to the Pack" event		9/20/22		
Term Begins	6/21/22	9/21/22	1/9/23	4/3/23
Online Registration Closes	6/27/22	9/27/22	1/13/23	4/7/23
Full Refund deadline	6/27/22	9/27/22	1/13/23	4/7/23
Last Day to Request Audit	6/27/22	9/27/22	1/13/23	4/7/23
Financial Aid Census Date	6/27/22	9/27/22	1/13/23	4/7/23
Tuition Due	6/27/22	9/27/22	1/13/23	4/7/23
Last Day to Post 1st Week Attendance	6/28/22	9/28/22	1/16/23	4/10/23
First Refund/Stipend Date	7/5/22	10/4/22	1/17/23	4/11/23
Last Day to Add w/instructor permission	6/30/22	9/30/22	1/20/23	4/14/23
Financial Holds Placed on Accounts	7/11-7/14	10/14-10/20	1/30-2/3	4/24-4/28
Last day to withdraw	7/31/22	11/6/22	2/26/23	5/21/23
Final Exams	last day of course	12/6/22 - 12/9/22	3/20/23 - 3/24/23	6/12/23 - 6/16/23
6-week session ends	7/28/22			
Last day to unregister & full refund	6/23/22			
Last Day to Post 1st Week Attendance	6/27/22			
Last Day to Add with instructor permission	6/30/22			
Last day to withdraw	7/17/22			
10-week session ends	8/25/22			
COMMENCEMENT (Thursday)				6/15/23
Term Ends	8/25/22	12/9/22	3/24/23	6/16/23
Grades due (11:59 pm)	8/28/22	12/11/22	3/26/23	6/18/23
CAMPUS CLOSED DATES				
Juneteenth (6/19)	6/20/22			
Independence Day (7/4)	7/4/22			
Labor Day		9/5/22		
Staff Pre-Service		9/19/22		

Pendleton Round-Up (9/12-9/16)		9/16/22		
Veteran's Day		11/11/22		
Thanksgiving break		11/24/22 - 11/25/22		
Winter Break		12/23/22 - 1/2/23		
Martin Luther King Day			1/16/23	
Spring Break (wk of 3/27 - 3/31)			3/31/23	
Staff Inservice (Closed 1- 5 pm)			1/27/23	4/21/23
Memorial Day				5/29/23
Summer Hours				6/19/23 - 9/1/23

Updated 2.28.22 - per approved faculty calendar Rev 6.11.22 fix SU22 6 wk end date

## Academic Services and Enrollment Policies

### Drug and Alcohol Policy Statement

Blue Mountain Community College is committed to maintaining a drug-free institution to create a safe and healthy learning and work environment and to assist its students and employees who may have problems with drugs or alcohol, in accordance with the Drug-Free Schools and Campuses Regulations (34 CFR Prt 86) of the Drug-Free Schools and Communities Act (DFSCA). To view BMCC's full Drug & Alcohol Abuse Prevention Program, please visit <https://www.bluecc.edu/support-services/safety/drug-and-alcohol-abuse-prevention-program>.

### Special Needs Contact Statement

Persons having questions about or requests for special needs or accommodation should contact the Coordinator of the Health & Wellness Resource Center at Blue Mountain Community College, 2411 NW Carden, Pendleton, OR 97801

Phone 541-278-5958 for Disability Services or use Oregon Relay (7-1-1) for hearing impaired assistance. Contact should be made 72 hours in advance of the event.

### Services for Students with Disabilities

BMCC is committed to providing equal access to all qualified students with disabilities. Providing academic adjustments and auxiliary aides and services to students with disabilities in order to remove barriers to physical spaces and provide program access is an important goal at BMCC. Faculty and staff members are informed, understanding, and supportive.

Students may qualify for services by providing appropriate documentation of their disability (-ies) at the time of the initial request. Accommodations will be arranged upon verification of provided documentation. Those requiring assistance with this process may work with Roman Olivera, Recruitment & Retention Expert, located at the Pendleton campus but available to all students at any BMCC location. Once the student is qualified for services, the Recruitment & Retention Expert and the student will work together to determine which services will most benefit the student in a particular situation. All accommodations are arranged on an individual basis.

Computers featuring assistive technology are available to support students. Other available support services include peer mentors, life coaching, brief counseling, tutors, and resource referral.

Some accommodations take time to prepare and require advanced notice. For further information, Recruitment & Retention Expert at 541-278-5958 or [disabilityservices@bluecc.edu](mailto:disabilityservices@bluecc.edu).

## Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights regarding their education records. They include but are not limited to the right to:

- Inspect and review the student's records
- Seek amendment of the student's records that the student believes are inaccurate, misleading or otherwise in violation of the student's privacy rights
- Consent to disclosure of personally identifiable information contained in the student's education records, except for when consent is not required by FERPA
- File a complaint with the Department of Education, Family Compliance Office, concerning alleged failures by the college to comply with the requirements for FERPA

### Directory Information

FERPA allows colleges to disclose directory information without consent. BMCC has chosen to release Directory Information as defined in FERPA. The following information is considered to be BMCC directory information and may be released by the college registrar or designee upon request:

- Student's name
- Student's address
- Student's email address
- Date and place of birth
- Student's telephone number
- Field of study
- Class level
- Dates of attendance
- Degree, honors, and awards
- Participation in officially recognized activities and sports
- Height and weight of members of athletic teams
- Most recent previous educational institution attended by the student

Disclosure of education records is allowed when a court approves an application submitted by the Assistant U.S. Attorney General (or higher-ranking federal official) that contains "specific and articulable facts" that the education records are relevant to the investigation of or prosecution of terrorism. FERPA was amended to allow such disclosures by Section 507 of the USA Patriot Act.

Directory Information for use within the college is permitted in accordance with FERPA guidelines, however, disclosure with the college does not constitute institutional authorization to transmit, share or disclose any or all information received to a third party.

### Restriction of Directory Information

When students restrict the release of directory information, the preceding information will not be released. The ability to allow or restrict the use of directory information is available through the students' online portal. The restriction of information is permanent until the student requests, in writing and includes a copy of valid picture ID, to the Registrar's office, that it be removed. The restriction remains in place even after the students has stopped attending BMCC or graduated from the college.

Students with a directory exemption on file will:

- Be required to show valid picture id prior to receiving student record assistance
- Prohibit our ability to assist a student, others claiming to be the parent, relatives, friends, other students, or prospective employers over the phone with other than general college information
- Prevent their name from appearing on honor roll listings or in the commencement program
- Prevent us the National Student Clearinghouse from verifying student attendance or degrees



Restricted directory information is made available where an emergency is involved, at the direction of a subpoena or court order, to BMCC staff and faculty with a legitimate educational need to know, or in other limited situations as determined by the Dean of Student Engagement, Retention and Strategic Planning or the Registrar.

## **FERPA Annual Notice to Reflect Possible Federal and State Data Collection and Use**

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records - including your Social Security Number, grades, or other private information - may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, U.S. Census Bureau in connection with the 2020 Census, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

For more information or to exercise your rights contact the Director of Enrollment Services/Registrar.

## **Solomon Amendment Disclosure**

The Solomon Amendment requires by law that upon the request from recruiters of branches of the military, the college release:

- Student name
- Address
- Email address
- Telephone number
- Date of birth
- Educational level
- Academic major
- Degrees awarded
- Most recent educational institution enrolled in by the student

If a student requests that this information not be released, BMCC will not release to military recruiters or other parties except as specified in this notification or upon written permission from the student.

### **Photo ID Cards**

Students have the option of receiving a BMCC Student ID card. In order to request an ID card the student must show a valid picture ID and be currently enrolled at the College.

## **Student Email Accounts**

Students will be issued a BMCC email account which will be used for official college business and events. Students are responsible for activating their accounts prior to or during their first term at BMCC. Students should check their BMCC email account frequently as they will be held responsible for all notices sent to your BMCC email account. This email account will be used by all instructors and staff at BMCC to communicate.

# Admission, Registration, and Procedures

## Admission

BMCC accepts applications on a continuing basis. New, returning, and transfer students must complete the online application process. To request an alternative format, contact the Assistant Director of Enrollment Services at [admissions@bluecc.edu](mailto:admissions@bluecc.edu) or by calling (541) 278-5759. BMCC reserves the right to close admission prior to the application deadline or extend the deadline based on special circumstances. Requests for late admission should be sent to the Assistant Director of Enrollment Services.

*Entrance Requirements:* Blue Mountain Community College has an open-door admission policy. To be accepted for general admission, students must be 18 years of age or older, be legally emancipated, have graduated from high school, or have completed a General Education Development (GED) certificate.

Students will be considered accepted for general admission or conditionally admitted based on the following criteria:

*General Admission:* In general, students that are seeking a certificate or degree and meet at least one of the following criteria, will be considered admitted to the college and eligible to enroll.

- Are eighteen years of age or older, **or**
- Are legally emancipated (with documentation) **or**
- Have graduated from an accredited high school **or**
- Have completed a General Educational Development (GED) certificate or an adult high school diploma **and**
- Have the ability to benefit from instruction

Students that have completed high school requirements in a home-schooled setting may be required to provide the following documents to the Director of Enrollment Services/Registrar in order to register in credit courses:

- A letter from their local Education Service District (ESD) or equivalent from states with differing educational agencies, stating their release from compulsory school attendance under the provisions outlined in ORS 339.030, and
- Complete placement assessments in writing and math. Students may be exempt from one or both of the assessments. Alternative placement options are available on BMCC's website.
- If under the age of 16 at least one parent's signature is required on any enrollment or registration document

*Conditional Admission:* Students that meet one or more of the following criteria will be considered conditionally admitted. Students in this category are not eligible for Federal Title IV aid:

- Non-degree seeking students
- Students that have not completed high school or a GED
- Students under the age of 18 (unless they have completed high school)

*Students under eighteen years of age who have not completed a high school diploma or the equivalent:*

In order to take credit courses these students will be required to provide the following documents to the Director of Enrollment Services/Registrar:

- A letter from a high school administrator or local Education Service District (ESD) stating that you have been released from compulsory school attendance under the provisions outlined in ORS 339.030, and
- Complete placement assessments in writing and math. Students may be exempt from one or both of the assessments. Alternative placement options are available on BMCC's website, and
- Students under the age of 16, at least one parent's signature on any enrollment or registration document, and
- Prior to enrollment, the student and at least one parent will be required to meet with the Director of Student Success Center to discuss the students ability to benefit from the instruction desired and acknowledge that the student will be in a classroom situation with other adults without the same protections and rules of the K-12 system.

*Students under the age of eighteen and still attending high school:* In order to take credit courses these students will be required to provide the following documents to the Director of Enrollment Services/Registrar:

- Written acknowledgement from a high school administrator or counselor of the students attendance and or participation in credit-courses offered by the college; and

- Complete placement assessments in writing and math. Students may be exempt from one or both of the assessments. Alternative placement options are available on BMCC's website, and
- Students under the age of 16, at least one parent's signature on any enrollment or registration document, and
- An acknowledgement that the student will be in a classroom situation with other adults and without the same protections and rules of the K-12 system.
- Students that are taking courses to complete their high school credit requirements should check with their high school administration to ensure that the credits taken will transfer back to their high school in the way intended.

*Transfer students:* Students transferring from another college or university must complete the admission process and may have one or more placement requirements waived based upon receipt of their other college transcripts or upon confirmation that they have met placement according to BMCC's placement matrix.

*Adult Basic Education (ABE) and General Educational Development (GED):* These programs are open to non-high school graduates who are at least sixteen years of age and not enrolled in high school. Students who are sixteen and seventeen years of age must provide the college with a release from the high school district in which they reside according to ORS 339.030. For more information, contact the Department of College Preparatory Programs at 541-278-5803.

*Non-Degree Seeking students:* Many students take college credit courses at BMCC, yet are not planning to earn a certificate or degree. Such students apply through the regular application process and may be required to complete placement assessments in writing and or math. Alternative placement options are available on BMCC's website. These students are not required to participate in advising but are welcome to do so.

*International Students:* BMCC is no longer accepting applications for international students (F-1 OR M-1 VISA).

**Limited Entry Programs:** BMCC offers a number of limited-entry programs. Each program has special admission requirements that must be met before you can be admitted. General admission to BMCC does not guarantee acceptance into these programs. The admission requirements may change annually depending upon Oregon state regulations and BMCC policies. For the most current admissions policy information and deadlines, please contact Enrollment Services or the academic department, or consult BMCC's website.

## Immunizations

The Oregon Department of Health requires community college students born on or after January 1, 1957, to have two doses of measles vaccine before participating in clinical experiences in allied health, nursing, and human services programs; practicum experiences in education and child care programs; and intercollegiate sports. If you are enrolling in the nursing program and in some health programs, you may also be required to comply with Chapter 409, Oregon Health Authority, Office for Oregon Health Policy and Research, Division 30: Administrative Requirements for Health Profession Student Clinical Training (OAR 409-030-0100 to 409-030-0250) prior to clinical placement. For details about these requirements, contact the department that oversees the program in which you plan to participate.

Students will be required to submit verification of two doses of measles on or prior to attendance in a clinical or practicum experience or participation in an intercollegiate sport. Registration holds will be placed until immunization records have been received by the Registrar's Office.

## Residency Policy

Determination of residency for purposes of tuition will be made according to the following definitions.

**In-State:** At least one of the following requirements must be met by the student:

1. The student has resided in the state of Oregon at least ninety (90) continuous days prior to the first day of the term.
2. The student, or a member of his/her immediate family, holds title to or is purchasing property claimed as a permanent Oregon residence.
3. The student filed an income tax statement with the Oregon Department of Revenue for the most recent reporting year.
4. A veteran established residence within the college district within one (1) year of separation or discharge from the Service.
5. The student is a dependent of parents or legal guardian who has established residency within Oregon.

- Residents of the following states: Washington, Idaho, Nevada, Montana, and California

**Out-of-State:** Students who list their state of legal residence as a state other than Oregon, Idaho, Washington, Nevada, Montana, or California. This excludes students who have provided documentation to establish In-State residency as indicated by this policy.

**International:** Students who are citizens of another country will pay the international tuition rate.

**Guidelines:** Students who graduate from a high school other than in Oregon, Idaho, Washington, Nevada, Montana, or California within the last two years will be considered out-of-state and may be required to provide proof of Oregon residency.

Residency requirements apply to readmission of students who have established residency in another state since their last enrollment at the college. This will be checked at the time of readmission to the college.

Students that establish their 90-day residency requirement during their current term of enrollment will be granted in-state residency status for their following term of enrollment for the academic year in which they apply for residency.

Alaska residents who wish to receive the Alaska Permanent Fund Dividend while attending the college should consult their state agency prior to applying for in-state residency as it may affect their ability to receive those funds.

**Process to Establish Residency:** Students who wish to establish residency for purposes of receiving in-state tuition rates must complete a Proof of Oregon Residency form and provide at least one of the following documents:

- An Oregon hunting or fishing license that was issued at least ninety days prior to the beginning of the term
- A copy of deed of title, mortgage agreement, or recent county property tax statement indicating ownership or purchase by the student or the immediate family. If ownership is by anyone other than the student, a document verifying the familial relationship between the student and an owner must be presented.
- A current Oregon voter precinct card
- A copy of a signed Oregon income tax statement filed during the latest reporting year or payroll records from an Oregon firm indicating ninety continuous days of residency in Oregon
- A copy of an official Oregon high school transcript or GED scores earned in the state of Oregon
- A copy of a current valid Oregon driver's license (front and back of license) issued at least ninety days prior to the beginning of the term
- A copy of a current valid Oregon ID card (front and back of id card) issued at least ninety days prior to the beginning of the term
- A copy of a current utility bill dated at least ninety days prior to the beginning of the term
- DD214 (veterans)

Requests are reviewed and approved by the Registrar or their designee. All appeals for issues regarding the college's residency requirement will be submitted in writing to the Dean of Student Engagement, Retention and Strategic Planning.

## Course Placement

All BMCC students planning to register for a math or writing course (excludes MTH025, MTH062, WR060, and WR065 which do not require placement) or for a course where math or writing is a prerequisite, must complete one of the following placement options:

- Take a math or writing placement test: BMCC uses the College Board's ACCUPLACER for writing placement and ALEKS for math placement. The ACCUPLACER assessment is a computer-based format with unlimited time and provides immediate scores. The ALEKS placement is a self-proctored assessment. Each placement test assesses academic skills and helps place the student into the right level of courses. Placement scores are valid for two years from the date taken. Placement scores from other third parties may be used as approved by the math and writing department.
- Complete a college level math and writing course with a grade of "C" or better at another regionally accredited college and submit transcripts to student records prior to registration.
- Provide placement scores from another college within the last two years. Scores must be sent to BMCC from the college or university where the assessment was taken.
- AP Test Scores: Students that have taken an AP math or writing test can have their scores sent to BMCC from the College Board. Test scores are accepted for up to three years after the exam date.
- High School Transcripts: Student must have graduated within 5 years of their date of matriculation and must have a minimum cumulative grade point average (CGPA) of 3.0.

Students auditing a course are exempt from the placement requirement.

## Registration:

Students are required to register online unless otherwise directed. Students will not be permitted to register if a debt is owed to the College. Students must be registered in order to attend or participate in a class/course. In some instances, the instructor may allow the student to participate if their request to register is in a pending status.

Students may register online through the date identified on the college's annual Academic Calendar. Students wishing to add a course after that date must submit a Request to Add a Course. Instructors will have the option to approve or deny the request. If approved, the request will be reviewed by the respective Dean. Requests approved by the Dean will be sent to enrollment services for processing and notification to the student. For more information on registration dates and timelines, see the Academic Calendar found in this catalog or visit our Website.

For registration assistance due to a disability, please contact the Retention and Retention Expert at 541-278-5958.

**Priority Registration:** BMCC uses a priority registration. In compliance with HB2565, Veterans have priority registration privileges.

## Student Withdrawal

Students that withdraw from a course will have a W posted on their official transcript indicating that they have withdrawn from the course. All tuition and fees associated with the course will apply. Please see the Academic Calendar for specific term deadline dates to withdraw from a course. Dates for courses less than a full term in length vary. Please check with Enrollment Services for specific deadline dates for these courses.

## Academic Fresh Start (Grade Renewal)

Students who have previously attended BMCC and have earned poor grades have the option to apply for "Grade Renewal" once they meet the following criteria:

- Have had an absence of at least two years; and
- Have passed two subsequent academic quarters of work completing least 12 credit hours each quarter with a 2.00 GPA or better; and
- Be enrolled in at least one credit hour with BMCC at the time the policy is requested and implemented

The "Grade Renewal Petition" form is available online. If the petition is accepted, grades for the term chosen, and for all prior terms, will be changed to no credit (NC). All courses previously taken will remain on the transcript and the student's grade point average will be adjusted. A notation will appear on the official transcript indicating that the GPA renewal policy was implemented. All courses included in the GPA renewal policy will continue to be counted as attempted for the purposes of federal financial aid eligibility. We encourage students to check with the financial aid office prior to submitting their request. Once the grade renewal process has taken place the student may not request to have the process reversed. Any courses taken at another college and transferred to BMCC are not subject to the provisions of this policy and are not included in this policy.

## Enrollment Level Defined

Enrollment levels per term are defined as follows:

- **Full-time:** 12 + credits
- **Three-quarter time:** 9 - 11 credits
- **Half-time:** 6 - 8 credits
- **Less-than half-time:** 0 - 5 credits
- **Not enrolled:** Students that are not enrolled in a credit or non-credit courses in a given term

## Registration Cap

Students may not take more than 21 credits per term without permission from the Director of Enrollment Services/Registrar. To qualify to take more than 21 credits in a term the student must have met each of the following criteria:

- matriculated from high school
- completed the last two terms at BMCC as a full time student (12 or more credits)
- completed each of those terms with a term GPA of 2.0 or higher.

To request approval the student must complete a Petition to Register for Over 21 Credits. The form is located on our website under Enrollment Services/Forms and Information.

## Required Courses and Prerequisites

Many of BMCC's courses require students to meet one or more prerequisite requirements. Prerequisite courses must be completed with a grade of "C" or better. Instructors have the option to waive this requirement on a case-by-case basis.

## Students Under the Age of 18

- Students that are 16 or 17 years of age and no longer attending high school, are home-schooled, or who have not graduated from high school or completed a GED, and wish to register for courses may do so by providing the following:
  - A letter from a high school administrator stating that the student has been released from compulsory attendance under the provisions outlined in ORS 339.030; and
  - An assessment by a BMCC advisor regarding the student's ability to benefit from the instruction desired, and
  - An acknowledgement that the student will be in a classroom situation with other adults and without the same protections and rules of the K-12 system; **and**
  - Instructor approval
- Students Under the Age of 16: Students under 16 years of age that no longer attend high school, are home-schooled, or who have not graduated from high school or completed a GED, and wish to register for courses may do so by providing the following:
  - A letter from a high school administrator stating that the student has been released from compulsory attendance under the provisions outlined in ORS 339.030; and
  - An assessment by a BMCC advisor regarding the student's ability to benefit from the instruction desired, and
  - A parental signature for students on any enrollment or registration form that obligates the student financially, and
  - An acknowledgement that the student will be in a classroom situation with other adults and without the same protections and rules of the K-12 system; **and**
  - Instructor approval

**High School Students (Early College Credit):** Students who are still attending high school or who are home-schooled, and wish to take credit courses at BMCC, have these options:

- High school students 16 and older are eligible to register at BMCC. High school students who register at BMCC are fully responsible for complying with all the policies and procedures of the College as outlined in BMCC's Admission policies. It is important to note that parents cannot access student records (grades, class schedule, attendance, etc.) without written permission from the student. Although members of the College staff can provide academic advising, they cannot interpret high school requirements or act in a supervisory role. The student is responsible for all tuition, fees, books and related expenses.
- BMCC works with area high schools to offer students the opportunity to earn college credit for certain career and technical education and general education transfer courses they complete at their high school. Course offerings vary by high school and are designed for students 16 years of age or older. General education transfer courses can be used to meet BMCC certificate or degree requirements as well as for transfer to most Oregon community colleges and universities. Students should check with all colleges about their policies for transferring college credits earned in high school.
- Students at a public high school that have an articulation agreement with BMCC may meet the educational requirements of both the high school and a college-level BMCC course if they are enrolled for Early College credit in a class taught at the high school. This challenging course work offers students the opportunity to begin building a college transcript while still enrolled in high school. Early College courses and credits appear on a BMCC transcript as though they were taken at BMCC. Early College courses normally transfer to four-year institutions in the same way as any other BMCC course work. Not all courses are available at every high school. High school students may check with their high school counselors and teachers for course availability, costs, and other requirements. Students should also check with the college to which they wish to transfer if they want to ensure that Early College course work will transfer.

**Expanded Options:** High school students have the opportunity to take credit courses at BMCC. Students interested in the Expanded Options program should work with their high school counselor or Aspire coordinator for more information on eligibility requirements.

**BMCC offers a dual-enrollment program** in conformance with Oregon's Expanded Options legislation (also known as SB300 and SB23). This program offers high school students the ability to take BMCC classes to earn college credit and to earn credit toward high school graduation at the same time. Each high school sets its own criteria for entry into the program and monitors student progress. College-level credits earned are transcribed through BMCC and are, in most cases, transferable to other colleges.

Though similar, Early College and expanded options programs have distinct differences:

- Students participating in the Early College program take classes at their high school from high school instructors and earn college credit at the same time
- Students participating in the Expanded Options program take a college course from college instructors with other college students and earn high school credit at the same time.

Students interested in the Expanded Options program should work with their high school counselor or Aspire coordinator for more information on eligibility requirements.

## Testing

Testing and proctoring services are available at all BMCC locations. Testing services will vary by location. Students should contact the BMCC location nearest to them for schedules, appointments, and details.

## Financial Information

Tuition and fees are subject to BMCC Board of Education policy and may be changed at any time. Please refer to our Website, [www.bluecc.edu](http://www.bluecc.edu), or call the college at 541-278-5759 to obtain current rates.

Students are considered to be full-time when they are enrolled for 12 credit hours or more.

## 2022-23 Tuition and Fees

### Generally Applicable Fees:

- Athletic Fee: \$125 per term for student athletes
- Audit Course Fee: 100% of regular tuition and associated fees (for senior citizens, refer to section below)
- College-Level Examination Program (CLEP) Fee: A transcription fee of \$10 per course
- Credit-by-Exam Fee: 50% of regular tuition
- Credit for Prior Learning/Certification Fee: A transcription fee of \$10 per course
- Installment Plan Fee: \$20 (required \$100 down payment.) Must complete and sign Installment Plan
- Installment Plan Late Fee/Interest Penalty: \$15 for each late payment
- Early Childhood Education (ECE) Credit for Prior Learning Fee: A transcription fee of \$10 per course
- Late Payment Fee: 3% of the unpaid balance with a minimum charge of \$10 and a maximum charge of \$75 per term. Fees are assessed monthly until balance is paid in full
- Nursing Student Application Fee: \$50 application fee (Non-refundable)
- Nursing Student Fee: \$1,056.67 each term
- Official Transcript Fee: Minimum fee \$5 per transcript. Additional processing fee applied at the time the order is placed online (obtained through the National Student Clearinghouse)
- Official Transcript Fee (Outside the US): Fee contingent upon destination location
- Placement Test Fee: \$25 for non-BMCC students.
- Returned-Check Fee: \$35 for each occurrence
- Stop Payment Fee: \$35 per check
- Technology Fee: \$26.75 per credit for credit classes; \$9 per course for non-credit classes
- Proctor Fees (Agency or other): \$25 per exam (Non-refundable)
- Test Proctor Fees: Varies (charges are based on the nature of the examination). Contact the BMCC Testing Center at (541) 278-5931 for specific amounts.
- Student Services Fee: \$8 per credit for students taking 1 or more credit hours up to a maximum of 15 credits per term.

### **Early College Credit Costs:**

- Advanced Placement Fee: A transcription fee of \$10 per course
- Assessment Based Learning and Sponsored Dual Credit Fee: A transcription fee of \$20 per credit
- Credit by Exam: A transcription fee of \$20 per credit
- Dual Credit and Sponsored Dual Credit Fee: A transcription fee of \$20 per credit

- Expanded Options: 100% of tuition and applicable fees

**Other Applicable Fees:**

- Associated Student Government (ASG) Student Activity Fee: \$3.50 for each credit hour (This fee is approved by ASG & College Board). Course Fees: Certain courses may require a fee(s) in addition to tuition. Course-specific fees are listed in the quarterly *Schedule of Classes* on the BMCC website

**Course-Specific Fees:**

- Agriculture Course Fee: \$15 for each course
- Applied Music Fee: \$175 for each course
- Art Class Fee: Certain courses are assigned a fee of up to \$30
- Data Center Technician Lab Fee: \$60 for each lab course
- Diesel Tech Laboratory Fee: \$60 per lab credit
- EMT Fee - Basic A & B: \$160 each term
- EMT Fee - Intermediate Part A & B: \$130 each term
- Fire Science 110A and 110B: \$160 each term
- Fire Science 112: \$160 each term
- Industrial Systems Technologies Lab Course Fee: \$50 for each lab course
- Music Class Fee: \$15 piano and/or voice.
- Physical Education Fee: \$10 for each course.
- Science Laboratory Fee: \$35 per lab credit.
- Unmanned Aerial Vehicle Lab Course Fee: \$50 for each lab course.
- Welding Fee: \$175 lab fee per lab course.

**Note:** The College periodically introduces new courses, programs, and/or fees on a pilot basis to meet the needs of the community. These fees may be administratively implemented as needed during the year.

Payment of the stipulated fees by full-time and part-time students registered for academic credit entitles them to all services maintained by the college for the benefit of students. These services include use of the college student union, computer laboratories, library, laboratory and course equipment, materials in connection with courses for which the students are registered, and admission to some events sponsored by the college. By college policy, there is no reduction in fees for students who do not intend to avail themselves of these services.

## Tuition

**In-State Residents:** For tuition purposes, Oregon residents and residents of California, Idaho, Montana, Nevada, and Washington are charged at the in-state resident rate of \$114.00 for each credit hour, beginning with the summer term of the 2022-23 academic year.

**Out-of-State Residents:** The tuition rate for out-of-state students (other than the states listed above) is \$171.00 for each credit hour, beginning with the summer term of the 2022-23 academic year.

**Senior Citizens:** The tuition rate for a resident who is sixty-five (65) years of age or older is one hundred percent of the regular tuition rate for credit classes. Fees for credit and non-credit classes are at the full rates listed in the quarterly *Schedule of Classes* on the BMCC website. Seniors who elect to audit credit classes will not be charged tuition; only applicable fees will be charged at full rate. Normal registration procedures are required.

**Non-Credit Costs:** Tuition is not charged for non-credit classes. Fees for non-credit classes vary based upon the costs to provide the course.

The tuition shown in this section are accurate as of the date of publication of this catalog, however, they are subject to change by action of the Board of Education at any time.

# of Credits	In-State (Tuition only)	Out-Of-State (Tuition only)
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<b>1</b>	\$ 114.00	\$ 171.00
<b>2</b>	\$ 228.00	\$ 342.00
<b>3</b>	\$ 342.00	\$ 513.00
<b>4</b>	\$ 456.00	\$ 684.00
<b>5</b>	\$ 570.00	\$ 855.00
<b>6</b>	\$ 684.00	\$ 1,026.00
<b>7</b>	\$ 798.00	\$ 1,197.00
<b>8</b>	\$ 912.00	\$ 1,368.00
<b>9</b>	\$ 990.00	\$ 1,485.00
<b>10</b>	\$ 1,140.00	\$ 1,710.00
<b>11</b>	\$ 1,254.00	\$ 1,881.00
<b>12</b>	\$ 1,368.00	\$ 2,052.00
<b>13</b>	\$ 1,482.00	\$ 2,223.00
<b>14</b>	\$ 1,596.00	\$ 2,394.00
<b>15</b>	\$ 1,710.00	\$ 2,565.00
<b>16</b>	\$ 1,824.00	\$ 2,736.00
<b>17</b>	\$ 1,938.00	\$ 2,907.00
<b>18</b>	\$ 2,052.00	\$ 3,078.00
<b>19</b>	\$ 2,166.00	\$ 3,249.00
<b>20</b>	\$ 2,280.00	\$ 3,420.00
<b>21</b>	\$ 2,394.00	\$ 3,591.00

## **Paying Tuition**

Tuition and fees are payable in full by cash, check, or credit card (Visa or MasterCard) by the end of the fifth class day of each term, or the equivalent percentage of days of terms or classes of varying length. Students may also use financial aid funds or third party agency funds to pay their tuition and fees if they are eligible for these funds. Payments can be made at any location, by mail, or through the WolfWeb.

**Installment Plan:** BMCC's installment payment plan is designed to assist students in paying their tuition and fees by setting a reasonable timetable and structure for payment. Students may sign up for this installment plan at any BMCC location or through the BMCC Website. An agreement is not binding for the college until a representative of the Business Office has signed the completed form. Upon signature, BMCC will return a copy of the official signed installment plan to the student.

Students who sign up for an installment plan have the ability to register for subsequent term(s) while still making payments on their current term balance. In addition, those on installment plans avoid any late fees if paid according to the agreed upon payment plan. These installment plans allow a student to spread the tuition over three payments with \$100 due when signing up (along with \$20 processing fee), half of the remaining balance due Friday of week four (or equivalent for terms of varying length), and the other half due Friday of week Seven (or equivalent for terms of varying length.) Late fee penalties of \$15 will be charged for each late payment.

Installment Plans are due Friday of the first week of the term.

Please note: If payment is not made in full **before** Monday of week eight, the college will automatically drop the student from the next term(s) courses and the student may not be eligible to defer tuition in future terms.

Please contact a Service Center Specialist or your Success Coach to learn more about this opportunity!

**Late Fee/Interest Penalties:** Students who have not paid or made payment arrangements by the end of the fifth class day or the equivalent day of terms or classes of varying length will be assessed late fees. The fee is 3% of the balance due assessed monthly until the balance is paid. The minimum charge is \$10, and the maximum charge is \$75 per term.

**Stop-Payment Fees for Financial Aid Stipends/Refund Checks:** If you are eligible for a financial aid stipend/refund check and it does not arrive at the address indicated on your student account after ten days from the date of issuance by the college, BMCC will re-issue the check without charge to you. If you wish the college to re-issue the check before the 10-day period is over, BMCC will charge you a \$35 stop-payment fee.

**Financial Holds:** If your student account is not paid in-full by the beginning of pre-registration for the upcoming academic term, a financial hold will be placed on your account preventing you from registering for the upcoming term. Other financial holds may be placed on your account if items are not returned to departments at the College (such as the Library or the MAC Center). Please contact the Service Center on how to resolve the financial hold on your account.

**Tuition Refund Policy:** Students who drop a course(s) or withdraw from the College and who have complied with regulations governing drops and withdrawals are entitled to certain tuition refunds depending on the time of drop or withdrawal. Tuition refunds are calculated as follows:

- First five (5) days of the term for an 11-week course or the equivalent day of the term for courses of varying length. = 100%
- After the first five (5) days of the term for an 11-week course or the equivalent day of the term for courses of varying length. = 0%

**F-1 and M-1 Visa Students:** As of the 2021-2022 academic year, BMCC is no longer approved to admit international students.

## Financial Aid

**(Federal School Code: 003186)**

The Student Financial Aid office is located in Morrow Hall on the Pendleton campus. Please check the BMCC Website <http://www.bluecc.edu/enrollment-services/financial-aid> for hours of operation. The staff can be contacted through the Service Center by phone at 541-278-5759 or by email at [FinancialAid@bluecc.edu](mailto:FinancialAid@bluecc.edu). The Student Financial Aid and Service Center staff are available to students for assistance in applying for and receiving the following sources of financial aid:

- Federal and state aid
- Certification of Veterans' education benefits
- Student employment (Federal Work-Study and institutional employment)
- BMCC Foundation Scholarships and private scholarships
- Private loans
- Institutional Aid (Staff and student waivers)

## Federal and State Aid

BMCC participates in the following types of federal and state aid:

- Federal Pell Grant
- Federal Work-Study
- Federal Subsidized and Unsubsidized Loans
- Federal PLUS loans (Parent loans for undergraduate student)
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Oregon Opportunity Grant (OOG)
- Oregon Promise Grant (OPG)
- Oregon National Guard Grant

**Applying for Federal and State Aid:** Starting October 1st each year, students must submit a Free Application for Federal Student Aid (FAFSA) or the Oregon Student Aid Application (ORSAA) in order to apply for aid.

- Who files the FAFSA? United States Citizens and eligible non-citizens. Apply by visiting <https://studentaid.gov/h/apply-for-aid/fafsa> or by calling 1-800-433-3243 to request a paper FAFSA.
- Who files the ORSAA? Oregon residents who have Deferred Action for Early Childhood Arrivals (DACA) status, undocumented status, and/or Temporary Protection Status (TPS). Apply by visiting <https://oregonstudentaid.gov/fafsa-orsaa.aspx> or by calling 541-687-7400

Applying online can reduce the amount of time for processing financial aid by approximately eight weeks. Refer to the Dates & Deadlines link at [www.bluecc.edu/enrollment-services/registration/academic-calendars/financial-aid-dates-and-deadlines](http://www.bluecc.edu/enrollment-services/registration/academic-calendars/financial-aid-dates-and-deadlines)

**Cost Of Attendance Budget:** The BMCC Financial Aid Office establishes yearly average standard student budgets as a basis for awarding financial aid funds. The budgets are based on average full-time enrollment for fall, winter, and spring term and are prorated for less than full-time enrollment. Review the Cost of Attendance Budget at <http://www.bluecc.edu/enrollment-services/registration/college-costs>.

**Disbursement of Aid:** Aid is generally posted to students' account one week prior to the start of the term. Remaining credit balances will be disbursed to students' account the last business day prior to the start of the term. BMCC offers direct deposit; please visit our website for sign-up information.

**Taking Courses at BMCC and Another Institution:** Students planning to take courses from BMCC and another college during the same term must complete a consortium agreement form and provide proof of registration for each class taken at another college during the time the consortium agreement is in place. Processed consortium agreements are valid for one academic year and proof of registration is required each term. Refer to our website for forms and additional information.

## Maintaining Eligibility

**Academic Progress (AP):** The Financial Aid office is responsible for ensuring that all students who receive federal and state aid are demonstrating satisfactory progress toward the completion of their educational programs. Students' Academic Progress will be reviewed before making an offer each academic year and again at the end of each term. The standards of Academic Progress apply for all federal and state aid, Foundation scholarships, some institutional aid, and most private scholarships.

**Students are evaluated on all of the following standards:**

- Cumulative Credit Completion Rate (Pace), must be 67% or higher
- Cumulative Grade Point Average (cGPA), must be 2.0 or higher
- Maximum time frame (150% Rule), students are allowed 150% of the credits required to complete the declared degree/certificate. All attempted and accepted transferred credits count towards this limit even if financial aid was not received.

Students must meet all three progress requirements (Pace, cGPA, and be within the maximum time frame) to remain in good standing. Students not meeting the requirements will be placed on financial aid warning or probation status during their next term of enrollment and will receive, in writing from the Financial Aid and/or Registrar's office, a notice of such standing. For additional information regarding this policy and for more detailed information about financial aid, please visit BMCC's website or contact the Financial Aid office.

**Second Degree:** If a student has received an Associate's, Bachelor's, or Master's degree and wishes to receive financial aid from BMCC, a Credit Extension Appeal (CEA) must be submitted to the Financial Aid office along with appropriate documentation. This process does not guarantee an offer. Depending upon the type of degree already held, the aid, if granted, may be limited to loans.

**Total (official or unofficial) Withdrawal and Return of Federal Aid:** Federal regulations require the college to have a fair and equitable refund policy for students receiving financial assistance who withdraw from all classes. When a federal aid recipient totally drops, withdraws,

or ceases to attend classes, BMCC must determine the amount of federal aid that the student earned as of the student's withdrawal date in accordance with federal regulations. If the student does not complete more than 60% of the term, then a calculation is completed by the Financial Aid office to determine the percentage of assistance the student has earned. Any unearned aid must be returned to the U.S. Department of Education. The student may be required to repay BMCC any amount that is returned on the student's behalf.

For additional information regarding this policy and for more detailed information about financial aid, please visit BMCC's website.

## Other Financial Assistance

Blue Mountain Community Foundation (BMCC) Mission Statement: To foster relationships that provide opportunities to support students, programs, and capital projects at Blue Mountain Community College

## Foundation Scholarships

The BMCC Foundation offers scholarships to both full-time and part-time students. Scholarship information and directions on how to apply are provided on the college website at, <https://www.bluecc.edu/enrollment-services/financial-aid/paying-for-college/scholarships>.

## Other Scholarships (Local, Regional, National)

The BMCC Foundation posts information that it receives from local civic groups, fraternal organizations, state, regional, and national agencies. For further information visit the college website at, <https://www.bluecc.edu/enrollment-services/financial-aid/paying-for-college/scholarships>.

## Veterans Benefits

### Military Educational Benefits

[www.bluecc.edu/service-members-dependents](http://www.bluecc.edu/service-members-dependents)

BMCC assists veterans and family members of veterans with three primary types of benefits:

- United States Department of Veterans Affairs Educational Benefits
- Oregon Veteran Educational Aid Program (Tuition Assistance)
- BMCC tuition waivers for military and qualifying family members

### VA Educational Benefits:

In order to receive VA educational benefits, all veterans must:

- Take the BMCC placement assessment to determine proper course placement before enrollment
- Obtain and submit to BMCC official transcripts from all previously attended schools along with a Transcript Evaluation Request for review of prior credit.
- Be assigned an academic advisor
- Be pursuing a BMCC degree or certificate
- Apply for VA Education Benefits online
- Complete BMCC's Veterans Education Benefits Request Packet

**Certification Periods:** The veterans school certifying official (SCO) will certify based on BMCC's official academic calendar. Some courses vary in length. The SCO will certify enrollment according to each course's beginning and ending dates, which may affect the rate of pay.

**Prior Credit:** Any student receiving VA education benefits while attending BMCC is required to obtain transcripts from all previously attended schools and military service and submit them, along with a Transcript Evaluation Request form to the BMCC Records Department. See the BMCC Veterans Education Benefits Request Packet for more information and details.

**Satisfactory Academic Progress (AP)** The financial aid office is responsible for ensuring that all students who receive VA benefits maintain Good Academic Standing per BMCC's Academic Progress Policy. The students' Academic Progress will be reviewed before making awards each academic year and at the end of each term. The standards of academic progress can be found at [www.bluecc.edu/enrollment-services/forms-and-information/academic-progress](http://www.bluecc.edu/enrollment-services/forms-and-information/academic-progress)

**Enrollment Level Defined:** Enrollment levels per term are defined as follows:

- Full-time (100%): 12+ credits
- Three-quarter time (75%): 9-11 credits
- Half-time (50%): 6-8 credits
- Less-than half-time (25%): 1-5 credits

**BMCC Military Tuition Waivers:**

BMCC, with the purpose of enhancing student support while providing a premier learning environment, provides military tuition waivers to honor returning veterans and qualifying family members of deployed, disabled, and fallen military service members. For more information on guidelines and how to apply, visit BMCC's website.

**Rate for Tuition and Fees- Section 301 of Public Law 115-251**

The following students 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 the state in which the institution is located (regardless of his/her formal State of residence) and enrolls in the institution within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 GI Bill® benefits (38 U.S.C. § 3319) who lives in the state in which the institution is located (regardless of his/her formal State of residence) and enrolls in the institution 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 institution. The person so described must have enrolled in the institution 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 the state in which the institution is located (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 the state in which the institution is located (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
- Anyone using educational assistance under chapter 31, Vocational Rehabilitation and Employment (VR&E), who lives in the state in which the institution is located (regardless of his/her formal state of residence).

**Tuition and Fees penalties- Public Law 115-407 Section 103**

As part of the Veterans Benefits and Transition Act of 2018, section 3679 of title 38, United States Code was amended and signed into law on December 31, 2018; known as Public Law 115-407 Section 103, it is effective as of August 1, 2019.

Blue Mountain Community College (BMCC) 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.

BMCC ensures that our educational institution 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 chapter 31 or 33.

NOTE: A *Covered Individual* is anyone entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post-9/11 GI Bill® benefits.

**Important links:**

GI Bill® Information - [www.benefits.va.gov/gibill/](http://www.benefits.va.gov/gibill/)

GI Bill® WAVE - Web Automated Verification of Enrollment - [www.gibill.va.gov/wave/](http://www.gibill.va.gov/wave/)

Oregon Department of Veterans' Affairs ODVA - [www.oregon.gov/ODVA/](http://www.oregon.gov/ODVA/)

ODVA Educational Aid for Veterans - [www.oregon.gov/ODVA/BENEFITS/pages/OregonEducationBenefit.aspx](http://www.oregon.gov/ODVA/BENEFITS/pages/OregonEducationBenefit.aspx)

DD 214 Requests Online - [www.archives.gov/veterans/](http://www.archives.gov/veterans/)

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA).

## Class Attendance and Administrative Withdrawal

Blue Mountain Community College reserves the right to withdraw a student from classes if, in the judgment of college officials, this action is in the best interest of the student or the college.

### Attendance

In compliance with federal Title IV aid policies students will be dropped at the end of week one from their course if they do not meet at least one of the following criteria:

- attended the course at least one time on or prior to the end of the first 5 business days of the term (4 business days for summer term), (courses that start on a Saturday require attendance on that day)
- participated in the course on or prior to the end of the first 5 business days of the term (4 business days for summer term), (courses that start on a Saturday require participation on that day). Student should refer to the course syllabus for more information
- contacted their instructor regarding their absence for circumstances beyond their control (example: illness, death in family, etc.)

Students found not to have met at least one of the above will be administratively dropped from their course

Students that are not able to continue to participate/attend after the first week of the term should meet with their advisor prior to withdrawing from their course

**Note:** Some courses that are not a full term in length will have different refund/withdraw periods. Please print your schedule to determine what the refund/withdraw period is for that course.

## Grading System and Policies

### Grading System

The quality of a student's work is measured by a system of grades and by computed grade-point averages. All assigned courses, regardless of curriculum, are included when determining a cumulative grade-point average while attending BMCC.

Only grades of A, B, C, D, F, and FA are considered in the computation of grade point averages. All other grades will be disregarded in the calculation of GPA; however, other grade marks and enrollment status will affect financial aid and athletic eligibility.

The grading system consists of the following:

### Grade Point Average (GPA)

A student's grade point average (GPA) is calculated as follows: take the number of points from the Grade Point table for each grade that you received and multiply it by the number of credits for that course; then repeat the process for each course in which you received a grade of A,

B, C, D, F, or FA. Add all of the results together and then divide by the total credit hours in which grades A, B, C, D, F, or FA were received. Note: If a course is repeated, only the most recent grade is used in computing the GPA unless the course is designated as repeatable in the Course Descriptions section of this catalog.

## Grade Point Table

GRADE	POINTS
A	4
B	3
C	2
D	1
F	0
FA	0

Example of GPA Calculation:  $(\text{Total GPA Points}/\text{Total Credits}) = \text{GPA}$  or  $22/9 = 2.44$  Courses/Grades Received

Course	Credits	Grade	Grade Points	GPA Points
WR121	4	B	3	12.0
MTH095	5	C	2	10.0
<b>TOTAL</b>	<b>9</b>			<b>22.0</b>

## Grade Definitions:

**A/4: Superior:** An indication that the student has met the state outcomes and course criteria at the highest level, demonstrating mastery of required knowledge and skills.

**B/3: Above Average:** An indication that the student has met the stated outcomes and course criteria at a high level, demonstrating mastery of most required knowledge and skills.

**C/2: Average:** An indication that the student has met the stated outcomes and course criteria with sufficient mastery of enough of the required knowledge and skills to be capable of success in other courses that require this course as a prerequisite

**D/1: Below Average:** An indication that the student has only minimally met the stated outcomes and criteria of the course but may not have sufficient mastery of enough of the required knowledge and skills to be capable of success in other courses that require this course as a prerequisite.

**F/0: Failure:** An indication that the student has participated in the course but has not adequately met the stated outcomes and criteria of the course.

**FA/0: Failure-Attendance:** An indication that the student did not participate (either by attendance or by online participation) in a significant amount of the course and, as a result, has not adequately met the stated outcomes and criteria of the course. Instructors assigning this grade must provide a Last Date of Attendance (LDA) to satisfy Federal Title IV aid requirements.

**INC (Incomplete):** Instructors may assign an incomplete grade when the quality of the students completed work is satisfactory but the course has not been completed for reasons acceptable to the instructor. At least sixty percent (60%) of the course work must be completed for an incomplete grade to be given. An incomplete grade must be made up within a maximum of one calendar year from the date that the incomplete appears on the grade report; however, the student and their instructor may choose a shorter time in which to complete the course work.

Incomplete Grade Contracts are submitted by the instructor of the course at the time grades are submitted and do not require the student's signature. The Registrar's Office will maintain and monitor INC contracts for the college. If the instructor does not return a completed INC contract to the Registrar's Office providing a final grade earned by the contract deadline date, the alternative grade indicated on the contract will automatically be entered into the student's permanent record. It is the student's responsibility to complete the work agreed upon and the instructor's responsibility to submit the final grade earned in a timely manner to the Registrar's Office. Grade changes after the end of the contract will not be processed without prior approval from the Executive Vice President of Instruction.

**P/NP (Pass/No Pass):** If you wish to use the P/NP option you must elect to do so by the end of the fourth week of the term by submitting your application for the P/NP grading option to the Registrar's Office. Once you declare the P/NP grading option, no changes in grading can be made.

You may apply a maximum of 12 program or elective credits with a grade of P toward a degree at BMCC. This number would include pass grades earned in regular BMCC classes and those earned from another college or university. This number does not include pass grades earned in course work with obligatory pass grades or advanced placement credits transcribed as pass.

The P/NP option is not available in courses being repeated by the student, in courses required for a degree, or in courses in the core area required for an AAOT/AS degree (pass grades would be accepted in advanced placement test credit.).

The P grade denotes a level of accomplishment of C or better.

Pass grades from other institutions will be examined on an individual basis. If the registrar determines that the course meets or exceeds BMCC requirements, then credit may be granted.

If you are planning to transfer to a four-year institution, you should determine the policy of that school before electing the P/NP option at BMCC.

When computing credits earned and GPA, the Registrar's Office treats the P/NP credits as follows:

- The pass credits will be transcribed as credits earned and will not be computed in the grade point average.
- The no pass credits will show on the transcript as credits attempted and will not be computed in the grade point average.

## Examinations

### Auditing a Course (AU)

The audit indicator, "AU", is a registration status and not a grade or an evaluation. Students electing this option are not required to meet pre-requisite requirements for the course.

Students that register online and wish to audit a course must complete a Request to Audit Course form. This status cannot be changed after the refund period. Courses taken as an audit status does not count as credits attempted in financial aid award calculations, and the AU (audit) status does not count in calculating GPAs. The audit indicator AU indicates a registration status, not an evaluation or a grade and is not eligible for a grade change appeal. Students electing this option are not required to meet pre-requisite requirements for the course.

**Policy:** Students that do not wish to earn college credit may audit a course, however, must elect this option within the first week of the term. Students who audit are not required to meet any specific academic requirements, but they may participate fully in the activities of the class. If an audit is desired, you must elect this option at the time of registration. Students that wish to take the course for a grade, must drop the course within the defined drop period and then add the class back as a graded course. Students may not change to audit status after the end of the drop period.

**Enrollment Status:**



In addition to the above grades, other enrollment-status indicators may be entered on the official grade report or transcript. These include AU (audit), CIP (course in progress), MSG (missing grade), and W (withdrawal).

## **AU (Audit)**

This is NOT a grade. It is an enrollment status and must be declared within the first 5 days of the term. See the Audit Policy section below for more information.

## **CIP (Course in Progress)**

CIP is an enrollment status used when a course is scheduled to continue from one academic term into the next. The CIP is not a terminal grade but is, rather, a state of progress used until the ending date of the class. At the time a course is scheduled to conclude, the CIP status will be replaced by a grade.

## **H (High School Diploma)**

The designation of H indicates that the variable-hour course was taken as part of a student's adult high school diploma program and that was not completed in a particular term.

## **W (Withdrawal)**

A W is an enrollment status and indicates that you followed the formal withdrawal procedure and withdrew from the course during the term after the 100% refund period for the term or course. This designation is not used in computing GPA. A W is not punitive.

## **Repeating a Course**

The most recent grade received for a repeated course will be counted towards the student's term and cumulative grade point average (GPA, CGPA). All prior attempts of the course where a grade was received (example: A, B, C, D, F, FA, NC, NCA, or INC) will have a repeat indicator noted on their official transcript and will not be applied towards meeting your certificate and/or degree requirements.

## **Dropping/Withdrawing From a Course/s**

### **Definitions:**

**Drop (unregister):** When a student removes a course from their schedule during or before the end of the 100% refund period for that course. Courses that are dropped (unregistered) will not show up on the grade transcript. Note: courses that are less than a full term in length have different refund periods.

**Withdraw:** When a student removes a course from their schedule after the 100% refund period for that course. These courses will appear upon the student's grade transcript with a status of W to indicate that the student withdrew from that course. In addition, students are responsible for all tuition and fees associated with the course or courses from which they withdraw. Note: courses that are less than a full term in length have different withdraw deadline dates.

To drop or withdraw from a course, students must do so online through their student portal. The last day to withdraw from a full-term course without a grade is listed on the annual Academic Calendar.

Students enrolled in courses after the dates listed in the academic calendar are responsible for the final grades received and associated tuition and fees for those course or courses.

## **Withdrawal from College**

Students that find they can no longer attend classes should officially withdraw from school. Before doing so, they should work with their advisor to determine if other options are available to them. The last day to withdraw from classes without receiving a grade is listed on the academic calendar. Note: courses that are less than a full term in length have different withdrawal deadline dates.

Students receiving financial aid should be aware that withdrawing from all course/s during a given term prior to completing more than 60.01% of the term can result in the student owing money back to the U.S. Department of Education or to BMCC. Please refer to the Financial Assistance section of the catalog for further information.

Requests for late withdraw from a course must be submitted to the Registrar's Office.

Note: a student who is registered is considered to be in attendance. Non-attendance or non-payment does not constitute official withdrawal, nor does it release you from the obligation to pay for your course or courses.

## **Withdrawal for Military Duty**

The following guidelines apply when a veteran, Reserve, or National Guard student is called to active duty for military purposes during the term (does not include being called to active duty for basic training):

Students may drop courses and receive a full tuition and fee refund. Students may, at their discretion, elect to complete one or more of their courses after making special arrangements with their instructor(s) to create an incomplete contract allowing reasonable time to complete the academic work required.

Please contact the Registrar's Office for further information at 541-278-5757, or send an email to: [studentrecords@bluecc.edu](mailto:studentrecords@bluecc.edu). Students receiving financial aid or veteran's benefits should refer to the Financial Assistance section of the catalog for further information regarding withdrawals.

## **Grade Changes**

College procedures allow for grade changes up to one year after the end of the term in which the course was taken. Once a grade (A, B, C, D, F, or FA) has been assigned (does not include the registration status of W) the only acceptable reason for a grade change is instructor or college error. The instructor/student relationship in a given class concludes at the end of the term with the assignment of a grade unless the student receives a grade of INC to allow for the submission of late course work. If you cannot complete all of the course work before the end of the term, you should work with the instructor before the term ends to request a grade of INC. Otherwise, the only way that an instructor can agree to change your grade is for you to submit a grade appeal (see the section on grade appeals). All grade appeals are reviewed by Dean overseeing the faculty who assigned the grade and, if approved, sent to the Registrar's Office for final processing.

## **Grade Appeal Process**

The responsibility for assigning grades rests with the individual instructor. If you believe that you have been awarded an inappropriate grade by an instructor, you may fill out a grade appeal form and submit it to the Office of Instruction. This will initiate the grade appeal process as outlined in the Student's Rights and Responsibilities of the Student Handbook. The Dean will forward appeals to the Registrar's Office once a decision has been made. If the appeal results in a grade change, the Registrar's Office will process the change and notify the student by email once the change has been made.

## **Term Grades**

Term grades are posted to students' official transcripts on the Monday following the end of the term. Students can access their grades online via the Wolfweb.

## **Waitlisted Courses**

Students that have been placed on a waitlist, will be notified by email (sent to your assigned BMCC email account) from the Office of Instruction if a space becomes available and they are moved from the waitlist into the class. It is the student's responsibility to ensure their status in any waitlisted courses. Students may attend/participate in the course until their waitlist status has been established and confirmed or until they are officially registered in the course. To check the status of a waitlisted course the student should check their term schedule on the Wolfweb. Students should also check their BMCC student email.

## **Final Examinations**

Final examinations are given at the close of each term. Students are required to take final examinations at the regularly scheduled time. Final examination schedules are available online or on the academic calendar found in this catalog. If circumstances warrant taking final examinations at another time, the student must make prior arrangements with their instructor.

## Standards of Academic Progress

### Academic Warning and Suspension

Academic Progress (AP) is the institution's policy regarding a student's academic progress. AP is not the same as Satisfactory Academic Progress (SAP), which is the status that students using financial assistance must maintain in order to receive funding from financial aid. A student is considered in good academic standing when they are making academic progress. Academic progress is defined as having a minimum cumulative grade point average (CGPA) of a 2.0 (C) **and** a minimum cumulative completion rate (Pace) of 67%. AP requires a student to maintain academic progress at the end of each term of attendance. If a student does not maintain academic progress he/she will be placed on Academic Warning or Academic Suspension status. More information about AP can be obtained by viewing the AP policy on BMCC's website or by contacting the Registrar's Office at 541-278-5757.

Pace includes all courses student remained registered in after the drop period. This includes courses with grades of A, B, C, D, F, FA, INC and those courses with W to indicate a withdrawal.

**Academic Warning:** Students are considered on academic Warning if their cumulative GPA is below 2.0 **or** their cumulative credit completion rate (Pace) is below 67%. Students will be reinstated to good academic standing as soon as their cumulative GPA is 2.0 or higher **and** have a cumulative credit completion rate of at least 67%.

**Academic Suspension:** Students are placed on academic suspension when their cumulative GPA remains below 2.0, or their credit completion rate is below 67% for a second consecutive term.

Students will have the right to appeal their academic suspension by submitting an appeal within the website published deadline date. The appeal will be reviewed by the Academic Progress Review Committee (AP Review Committee). The AP Review Committee consisting of the Registrar, Director of Success Center, TRIO Director, and the Director Student Financial Assistance. If the student is pre-registered for the upcoming term and fails to submit a complete appeal by the published deadline, the student will be administratively dropped from all courses.

**Academic Probation:** Students are placed on Academic Probation when an appeal is approved by the AP Review Committee after a student is placed on Academic Suspension. If while on Academic Probation, a student fails to make academic progress as a result of extraordinary circumstances, the student will be placed on an Academic One-Year Suspension. Students placed on this status will have the option to submit a second appeal to be able to take classes but not to have their financial aid re-instated. In the event the AP Review Committee rules the suspension valid, the student will have the right to appeal the decision to the Executive Vice President of Instruction and Student Affairs.

**Academic One Year Suspension:** A student academically suspended more than once will **not** be allowed to register for credit classes for one full calendar year. Students may ask to return for the term following the end of the one-year break period by submitting an appeal. This option does not apply to federal and state aid recipients.

### Pace Chart

# of Credits Attempted	Min # of credits needed to meet the 67% Completion Level
1	1
2	2
3	2
4	3

5	4
6	4
7	5
8	6
9	6
10	7
11	8
12	8
13	9
14	10
15	10
16	11
17	12
18	12
19	13
20	14
21	14

**Break of Enrollment**

Students that have had a break of enrollment of two (2) or more academic years will return on the following status:

<b>BREAK OF ENROLLMENT</b>	<b>PRIOR ACADEMIC PROGRESS STANDING</b>	<b>ACADEMIC STANDING AFTER BREAK OF ENROLLMENT</b>	<b>FEDERAL AND STATE AID RECIPIENT</b>
2-4 years	Academic Warning	Good Academic Standing	No change for break of enrollment  (Warning or Suspension)
	Academic Suspension	Academic Warning	

5 years or more	Academic Warning or Suspension	Good Academic Standing	
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## Transcripts

Official transcripts may be ordered online or by completing a paper Transcript Request Form found on BMCC's website at [www.bluecc.edu](http://www.bluecc.edu).

See the "College Costs" section of the catalog for costs associated with transcript requests. No other person may receive a copy of the student's transcript or undertake to pick it up for the student unless the student authorizes release of records in writing. **The College reserves the right to withhold official transcripts from students who owe monies to Blue Mountain Community College.** If an official transcript is requested by a student who owes monies, the student is notified that there is a balance owing and given information on how to resolve the issue.

## Transferring Credits to BMCC

Students that wish to have credits from other regionally accredited colleges evaluated towards their certificate/degree intent at BMCC, will need to request an official transcript be sent to BMCC's Enrollment Services Office. Official transcripts must include a signature from the issuing institution and its authorized seal, if applicable, and be delivered to BMCC in a sealed envelope.

In general, BMCC accepts college-level credits earned at regionally-accredited colleges or universities. BMCC does not accept credit for prior learning (CPL) transcribed by other colleges.

Accepted credits will become a part of the student's permanent academic record at BMCC and will be noted on their official grade transcript. All grades earned from BMCC will be used to compute the student's grade point average on their BMCC transcript. This is the GPA that will be considered for honor and high honors distinction at commencement and upon degree conferral.

Students that have taken the College Level Examination Program (CLEP) or the Advanced Placement (AP) test, should have their scores sent to Enrollment Services for review. Exams must have been taken within 3 years of the date the student requests credit. Credits received for AP, CLEP, or military experience at other colleges and universities will not be accepted. Students must have their exam scores and or official military transcripts sent directly to BMCC.

## Transferring Credits from BMCC

In most cases, up to 120 lower division transfer credit hours earned at a community college may transfer and be accepted toward graduation requirements by at the University of Oregon, Oregon State University, Portland State University, Eastern Oregon University, Western Oregon University, Southern Oregon University, Washington State, Tri-Cities and Oregon Institute of Technology.

In order to facilitate a smooth transition from BMCC students should discuss transferability of courses with their academic advisor and the school to which they plan to transfer to.

## Credit for Prior Learning/Certification (CPL)

The purpose of awarding credit for prior learning is to acknowledge and validate knowledge, skills, and competencies acquired by students through experience. With the exception of cooperative work experience (CWE) credits, students receiving alternate credits are not eligible for state or federal aid for those credits.

The maximum credits that may be earned through a combination of credit by examination is no more than 25 percent of the credits needed for a certificate or degree. Example: 90 credits required for degree, a maximum of 22 CPL credits may be applied to this degree.

**Credit by Examination (CBE):** To obtain credit for certain courses, a student must be enrolled as a BMCC student taking at least one course for credit and satisfactorily pass a comprehensive examination or series of examinations. The student may not obtain credit by examination (CBE) for a course at a lower level than one in which they have already demonstrated competency. Some courses are not eligible for this program. Students that wish to obtain credit in this manner must pay a fee in addition to any other tuition and fees that they may have paid in that term. Contact the Office of Instruction, at 541-278-5969, for more information. CBE credits are reflected on BMCC's transcripts with the exam identifier of (CH) next to the course title. Example: ART 204 (CH)

**Credit for Prior Certification/Learning (CPL):** Documentation is required. If awarded, these credits are reflected on BMCC's transcripts with a grade of "P" and with the identifier of (CPL) next to the course title. Example: ECE226 (CPL).

### Advanced Placement (AP)

Students may earn credit for certain courses by taking tests administered by the Advanced Placement (AP) program sponsored by the College Board. Below is a list of approved AP courses, AP minimum scores, and advanced placement action. AP credits are reflected on BMCC's transcripts with a grade of P and with the exam identifier of (AP) next to the course title. Example: ART 204 (AP.)

To receive AP credit the student must:

- Request that your AP scores be sent from the College Board to BMCC. Scores are accepted for up to three years after the exam date.
- Be enrolled at BMCC in at least one credit course.

Please contact the Registrar's Office at 541-278-5757 or email [getinfo@bluecc.edu](mailto:getinfo@bluecc.edu) for additional information.

### AP CREDIT CHART

AP Exam Taken	AP Score	BMCC Course	BMCC Credit
Art - History	3, 4, 5	ART 204 and ART 205	8
Art - 2-D Art & Design	3, 4, 5	ART 101	4
Biology	3, 4, 5	BI 101, BI 102, BI 103	12
Calculus AB	3	MTH 251	4
Calculus AB	4, 5	MTH 251 and MTH 252	8
Calculus BC	3	MTH 251 and MTH 252	8
Calculus BC	4, 5	MTH 251, MTH 252, MTH 253	12
Chemistry	3, 4, 5	CH 104, CH 105, CH 106	15
Computer Science A	3, 4, 5	CS 161	4
Drawing	3, 4, 5	ART 132	4
English Language and Composition	3, 4, 5	WR 121	4
English Literature and Composition	3, 4, 5	ENG 104	4
United States Government & Politics	3, 4, 5	PS 201	4
United States History	3, 4, 5	HST 201 and HST 202	8
Human Geography	3, 4, 5	GEOG 103	4
Macro Economics	3, 4, 5	EC 202	4

Micro Economics	3, 4, 5	EC 201	4
Music Theory	3, 4, 5	MUS 111 and MUS 112	8
Physics C- Electricity & Magnetism	3, 4, 5	PHY 201	5
Physics C - Mechanics	3, 4, 5	PHY 201	5
Psychology	3, 4, 5	PSY 201	4
Spanish Language & Culture	3, 4, 5	SPAN 101, SPAN 102, SPAN 103	12
Statistics	3, 4, 5	MTH 243	4
World History	3, 4, 5	HST104, HST105	6

## College-Level Examination Program - CLEP

Students may earn College-Level Examination Program (CLEP) credits for certain courses by taking the CLEP exams sponsored by the College Board. Below is a list of BMCC's approved CLEP exams, minimum scores, number of possible credits granted, and corresponding BMCC course equivalencies. CLEP credits are reflected on BMCC's transcripts with a grade of "P" and with the course identifier of (CL) next to the course title.

To receive CLEP credit the student must:

- Request your CLEP scores be sent from the College Board to BMCC. Scores are accepted for up to three years after the exam date.
- Be enrolled at BMCC in at least one credit course.

Please contact the registrar's office at 541-278-5757 or email [getinfo@bluecc.edu](mailto:getinfo@bluecc.edu) for additional information.

### CLEP CREDIT CHART

Exam Subject	Minimum Score	Credit	BMCC Course Equivalency
<b>BUSINESS</b>			
Principles of Management	50	4	BA 206 Principles of Management
Introductory Business Law	50	4	BA 226 Business Law
Principles of Marketing	50	4	BA 223 Principles of Marketing
Financial Accounting	50	8	BA 211 ,BA 212 Principles of Accounting.
<b>COMPOSITION AND LITERATURE</b>			
American Literature	50	8	ENG 253, ENG 254 Survey of American Literature
Analyzing and Interpreting Literature	50	4	ENG 104 Introduction to Literature
English Literature	50	8	ENG 204, ENG 205 Survey of English Literature

<b>MATHEMATICS</b>			
Calculus	50	4	MTH 251 Calculus
College Algebra	50	5	MTH 111 College Algebra
College Mathematics	50	4	MTH 105 Math in Society
Precalculus	50	5	MTH 112 Elementary Functions

**Military Credit (MIL):** Military credit will be evaluated according to American Council of Education guidelines. In most cases, credit will only be considered when it is equivalent to a course offered by BMCC. Military credits are not reflected on BMCC's transcripts and are considered transfer courses similar to coursework taken at other regionally accredited colleges. A pre-transcript notation is placed on the student's transcript noting the number of military credits accepted.

## Recognition of Outstanding Student Performance

**Academic Achievement:** Blue Mountain Community College recognizes exceptional academic achievement of students at the end of each term and at graduation.

### Honor Roll

Students may attain honor status each term by qualifying for the Vice President's or the President's List. In all cases, the student must have completed six (6) or more BMCC credits during the term with grades of A, B, C, or D. Levels of achievement are:

- Vice President's List: 3.5 to 3.74 GPA
- President's List: 3.75 to 4.0 GPA

Only courses taken at BMCC will count towards Honor Roll designations. Credit awarded through AP, CLEP, ACE, DSST, or credit-by-exam will not be included. Only term GPAs, not cumulative GPAs, are counted for these recognitions.

Grades of P, NP, and INC do not count toward recognition of academic achievement.

The Registrar's Office will send notifications to each qualifying student at the end of each term.

## Graduation Requirements

Students are responsible for fulfilling the requirements for graduation and should work with their advisor to ensure that they have or will complete the degree and/or certificate requirements.

As a candidate for graduation, students are required to submit a Application for Graduation. Students are encouraged to submit their application at least two terms prior to the term in which they expect to complete their program requirements (refer to the academic calendar in the catalog for specific deadline dates). This allows the academic advisor to assist the student in selecting coursework necessary to meet graduation requirements. Completed applications may be submitted to any BMCC location.

Upon the college's receipt and processing of the application, the Registrar's Office will notify the student and their advisor by email of the course/s needed to satisfy certificate/degree requirements. Should there be any discrepancy, the student and their advisor will be asked to notify the registrar as soon as possible. A graduation file will be established at that time and the degree audit will become the official degree check-off for degree completion purposes.

**Auto-Award of Certificate/Degrees:** If the Registrar or their designee finds that a student has completed all coursework necessary to complete their indicated program of study, the college will award the degrees and/or certificates upon completion of those requirements. Opting out of an institutional award requires completing the appropriate request through the registrar's office. Multiple credentials may be institutionally awarded within your program of study.



Degrees and certificates become official when recorded on your transcript. Certificates and diplomas will be mailed to the address listed on your application within two months after final grades have been posted and reviewed.

Students that do not complete their degree requirements in the term and year identified on their application will be notified by the Registrar's office about final requirements needed to complete their certificate/degree requirements. Applications will be considered active for a period of one (1) year from the students intended date of graduation.

Students that have not graduated after one year, will have their applications considered inactive and will be required to reapply for graduation and pay any fees in effect at the time of reapplication.

## Residency Requirement

Students must have completed at specific number of credits at BMCC in order to meet the requirements for their degree as follows:

- **Two-Year Degree:** Must complete 24 credits at BMCC, 18 credits must apply towards the degree
- **One-Year Certificate:** Must complete 12 credits at BMCC, 9 credits must apply towards the certificate
- **Less-than One-Year Certificate (LTOY):** Must complete 50% of credits required for certificate at BMCC, 50% of credits must apply towards the LTOY
- **Career Pathway Certificates of Completion (CPCC):** Must complete 50% of credits required for certificate at BMCC, 50% of credits must apply towards the CPCC

## Graduation under a Particular Catalog

Catalog requirements are effective for five 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 BMCC credit applicable to degree requirements per academic year unless they choose to meet the requirements of a later catalog. A new academic year begins each summer and ends the following spring. No catalog is valid for longer than the spring following the fifth academic year of issuance. For the 2021-22 academic year, students may complete their requirements under one of the following academic years (2016-2017 thru 2021-2022). Students that change their program will be moved to the catalog year during which the change was made.

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 in their major department about their course of study.

BMCC reviews and updates degree requirements annually. Please note that some of the requirements for graduation may change if your studies are interrupted by one or more years and/or if a course of study extends beyond five years. Depending upon the college certificate or degree, you may be asked to complete updated requirements.

## Honors for Commencement Ceremony

Students with exceptional academic qualifications that participate in our commencement ceremony with honors or high honors designation will have this designation noted in the commencement program. This designation applies to all of BMCC's degrees and certificates for academic, career, and technical programs. To qualify, students must have attended at least two terms and have earned at least 24 credit hours at BMCC (may be less for programs of less than two years in length). Honors designations are:

- Honors: cumulative GPA of 3.40 to 3.84
- High Honors: cumulative GPA of 3.85 or higher

Your cumulative GPA on your official BMCC transcript as of the end of winter term is used to determine honors or high honors status for our ceremony. Students completing their degree requirements during summer term but participating in the ceremony do not qualify to walk with honors/high honors. If you completed your certificate or degree requirements prior to the end of winter term, your cumulative GPA as of the term you completed will be used.

## Commencement Ceremony:

BMCC's commencement ceremony is held each year in June on the last day of spring term. Students who have completed or will complete all of their certificate and/or degree requirements during or prior to summer 2021 are eligible to participate in the 2021 ceremony. Those completing requirements as of fall 2021 or later will be invited to participate in the following year's ceremony.

## Final Honors Distinction At Time of Award

Students with exceptional academic qualifications may qualify to complete their designated program of study with honors or high honors designation. This designation will appear on your official grade transcript and may apply to all earned degrees and certificates for academic, career, and technical programs. To qualify, you must have attended at least two terms and have earned at least 24 credit hours at BMCC (may be less for programs of less than two years in length). Honors designations are:

- **Honors:** cumulative GPA of 3.40 to 3.84
- **High Honors:** cumulative GPA of 3.85 or higher

This status is reflective of your cumulative GPA on your official BMCC transcript and does not include credits earned at another college/university. The calculation is performed on all courses completed through your final term of program completion and may be different than what was listed in our commencement program.

## Suspended Programs of Study

If BMCC suspends a program of study and the student is eligible for "teach-out" assistance as determined by the college, BMCC will work with the student to help them complete the program within three years. Methods and types of assistance will vary by individual circumstance and will be available only to eligible students. Following the three-year period, if the student has not satisfied their degree requirements for that certificate/degree but still wishes to obtain a certificate/degree, the student must either apply their earned credits to a different BMCC program or transfer them to another institution. Contact the Registrar at [studentrecords@bluecc.edu](mailto:studentrecords@bluecc.edu) to determine eligibility.

## Associate Degree Comprehensive Requirements

### Associate of Arts Degree (AAOT)

Students earning an AAOT degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with course requirements of the degree:

1. **Credits Required:** 90 Credits include only those that meet the requirements of this degree. Credit courses numbered below 100 or those considered below collegiate level will not be used to fulfill the 90 credit minimum requirement.
2. **Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.
3. **Minimum Grade:** All courses must be completed with a grade of "C" or better.

**COURSE REQUIREMENTS:** See *Programs and Courses* Section for courses that meet these requirements.

#### Foundational Requirements:

- **Writing:** Students taking writing classes of three credits each must take WR 121, 122, and either WR 123 or 227. Students taking writing classes of 4 credits each must take WR 121 and either WR 122 or 227. A student must have eight credits of Writing. Information Literacy will be included in the Writing Requirement.
- **Oral Communication:** COM 111
- **Mathematics:** One course in college-level mathematics designated by the college as meeting the statewide criteria for mathematics.
- **Health/Wellness/Fitness:** One or more courses totaling at least three credits.

#### Discipline Studies

- **Cultural Literacy:** Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy.

- **Arts and Letters:** Three courses chosen from two or more disciplines.
- **Social Sciences:** Four courses chosen from two or more disciplines.
- **Science/Math/Computer Science:** Four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science.

#### Electives

- Any college-level course 100 level or higher that would bring total credits to 90 credits. See notes below.

#### Note:

- **Maximum Number of Credits for Prior Learning (CPL):** 22 credits of CPL may be applied to the degree.
- **Maximum Number of Career and Technical Education Courses:** 12 credits may be applied to the elective area of this degree.
- **Computer Literacy:** Must successfully complete computer literacy requirement.

## Associate of General Studies Degree (AGS)

Students earning an AGS degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with additional requirements of the degree:

1. **Credits Required:** 90 Credits include only those that meet the requirements of this degree.
2. **Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.
3. **Minimum Grade:** All courses must be completed with a grade of "C" or better.

**COURSE REQUIREMENTS:** See *Programs and Courses* Section for courses that meet these requirements.

#### Foundational Requirements:

- **Writing:** WR 121 or higher
- Information Literacy will be included in the Writing Requirement.
- **Oral Communication:** COM 100 or COM 111
- **Mathematics:** One of the following courses: MTH 042 , MTH 070 , MTH 095 or higher, BA 104 , or ED 157 .

#### Discipline Studies

- **Arts and Letters:** Two courses
- **Social Sciences:** Two courses
- **Lab Science:** One course

#### Electives

- Any college-level course 100 level or higher that would bring total credits to 90 credits. See notes below.

#### Note:

1. **Maximum Number of Credits for Prior Learning (CPL):** 22 credits of CPL may be applied to the degree.
2. **Computer Literacy:** Must successfully complete computer literacy requirement.

## Associate of Science Degree (AS)

Students earning an AS degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with additional requirements of the AS degree:

1. **Credits Required:** 90 Credits include only those that meet the requirements of this degree. Credit courses numbered below 100 or those consider below collegiate level will not be used to fulfill the 90 credit minimum requirement.
2. **Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.
3. **Minimum Cumulative Grade Average (CGPA):** 2.0 The CGPA is calculated using only those courses that apply to this degree.

**COURSE REQUIREMENTS:** See *Programs and Courses* Section for courses that meet these requirements.

**Foundational Requirements:**

- **Writing:** WR 121 and WR 122
- **Oral Communication:** COM 111
- **Mathematics:** MTH105 or higher
- **Health/Wellness/Fitness:** One or more courses totaling at least three credits
- **Computer Science:** CS 120

**Discipline Studies**

- **Arts and Letters:** Three courses chosen from two or more disciplines.
- **Social Sciences:** Three courses chosen from two or more disciplines.
- **Lab Science:** One course in biological or physical science
- **Science/Math/Computer Science:** One course

**Electives**

- Any college-level course 100 level or higher that would bring total credits to 90 credits. See notes below.

**Note:**

1. **Maximum Number of Credits for Prior Learning (CPL):** 22 credits of CPL may be applied to the degree.
2. **Maximum Number of Career and Technical Education Courses:** 12 credits may be applied to the elective area of this degree.
3. **Computer Literacy:** Must successfully complete computer literacy requirement.

## **Associate of Science Oregon Transfer - Business (ASOT-BUS)**

Students earning an ASOT-BUS degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with additional requirements of the ASOT/BU degree:

1. **Credits Required:** 90 Credits include only those that meet the requirements of this degree.
2. **Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.
3. **Minimum Grade:** All courses must be completed with a grade of "C" or better.

**COURSE REQUIREMENTS:** See *Programs and Courses* Section for courses that meet these requirements.

**Foundational Requirements:**

- **Writing:** Students taking writing classes of three credits each must take WR 121, 122, and either WR 123 or 227. Students taking writing classes of 4 credits each must take WR 121 and either WR 122 or 227. A student must have eight credits of Writing. Information Literacy will be included in the Writing Requirement.
- **Oral Communication:** COM 111
- **Mathematics:** Three courses for which MTH095 is a prerequisite. Must take MTH 243
- **Computer Applications:** BA 131 or CS 120

**Discipline Studies**

- **Arts and Letters:** Three courses chosen from two or more disciplines.
- **Social Sciences:** Four courses chosen from two or more disciplines. Must include EC 201 and EC 202
- **Science:** Four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science.
- **Cultural Literacy:** Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy.

**Business Courses**

Students must complete the following courses:

- BA 101 , BA 131 , BA 211 , BA 213 , and BA 226

#### Electives

- Any college-level course 100 level or higher that would bring total credits to 90 credits. See notes below.

#### Note:

1. **Maximum Number of Credits for Prior Learning (CPL):** 22 credits of CPL may be applied to the degree.
2. **Computer Literacy:** Must successfully complete computer literacy requirement.

## Associate of Science Oregon Transfer in Computer Science (ASOT-CS)

Students earning an ASOT-CS degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with additional requirements of the ASOT/CS degree:

1. **Credits Required:** 90 Credits include only those that meet the requirements of this degree. Credit courses numbered below 100 or those consider below collegiate level will not be used to fulfill the 90 credit minimum requirement.
2. **Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. . Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.
3. **Minimum Grade:** All courses must be completed with a grade of "C" or better.

**COURSE REQUIREMENTS:** See *Programs and Courses* Section for courses that meet these requirements.

#### Foundational Requirements:

- **Writing:** Students taking writing classes of three credits each must take WR 121, 122, and either WR 123 or 227. Students taking writing classes of 4 credits each must take WR 121 and either WR 122 or 227. A student must have eight credits of Writing. Information Literacy will be included in the Writing Requirement.
- **Oral Communication:** COM 111
- **Mathematics:** MTH 251 and MTH 252
- **Health/Wellness/Fitness:** One or more courses totaling at least three credits.

#### Discipline Studies

- **Arts and Letters:** Three courses chosen from two or more disciplines.
- **Social Sciences:** Four courses chosen from two or more disciplines.
- **Science/Math/Computer Science:** Four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science.

1. See program specific requirements as some programs require physics

2. Note that the CS and Math core required courses will meet the requirement for 1 of the 4 required courses, so normally only 3 science courses outside of CS/Math are needed

- **Cultural Literacy:** Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy.

#### Computer Science Courses

Students must complete the following courses:

- CS 160 , CS 161 , CS 162 , and CS 260

#### Electives

- Any college-level course 100 level or higher that would bring total credits to 90 credits. See notes below.

#### Note:

- **Maximum Number of Credits for Prior Learning (CPL):** 22 credits of CPL may be applied to the degree.

- **Computer Literacy:** Must successfully complete computer literacy requirement.

## Associate of Applied Science Degree (AAS)

Students earning an AAS degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with additional requirements of the degree:

1. **Credits Required:** See AAS program for specific number of credits required for degree. Credits include only those that meet the requirements of this degree.
2. **Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.
3. **Minimum Cumulative Grade Average (CGPA):** 2.0 The CGPA is calculated using only those courses that apply to this degree.

**Note:**

- **Maximum Number of Credits for Prior Learning (CPL):** In general, 22 credits of CPL may be applied to the degree.
- **Computer Literacy:** Must successfully complete computer literacy requirement.

## Course Substitutions

If a student is pursuing an Associate of Applied Science degree and would like to request a course substitution to meet program requirements, the student must discuss their request with their academic advisor. If the advisor considers the request appropriate, they will complete the necessary paperwork, and then obtain the approval and signature of the Executive Vice President of Instruction & Student Success. The Registrar's Office will process the information, once approved, and it will become a part of the student's permanent record.

## Transcript Notations

**Oregon Transfer Module (OTM)** will be noted on a student's transcript upon completion of all module course requirements. Since the OTM is not a degree or certificate, BMCC's regular residency requirement do not apply. The student must have completed at least one credit at BMCC that applies to the OTM in order to have the module notation made on the student's official transcript.

## Access to Student Records

The Registrar's Office maintains and processes academic records for the college. Student records are maintained in accordance with the college's official student record retention schedule. These records include, but are not limited to, admission applications, transfer institution transcripts, transfer credit evaluations, correspondence, grade change forms, curriculum deviation forms, certificate/degree completion applications, and degree evaluations.

## Education Record

Education records are those records that are maintained by BMCC or an agent of the College which is directly related to a student, except the following:

1. Records of instructional, supervisory and administrative personnel and educational personnel that are kept in the sole possession of the maker of the record, and are not accessible or revealed to any other person except a temporary substitute for the maker of the record.
2. Records relating to an individual who is employed by the college, that are made and maintained in the normal course of business, that relate exclusively to the individual in that individual's capacity as an employee and that are not available for use for any other purpose. Records relating to an individual in attendance at the college who is employed as a result of his or her status as a student are education records and are not exempt under this subsection.
3. Faculty records, relating to personal matters of faculty members such as conduct, personal and academic evaluations, and disciplinary actions.
4. Records on a student that are:

- Made or maintained by a physician, psychiatrist, psychologist or other recognized professional or paraprofessional acting in his or her professional capacity or assisting in a paraprofessional capacity;
  - Made, maintained, or used only in connection with treatment of the student; and
  - Disclosed only to individuals providing the treatment. For the purpose of this definition, "treatment" does not include remedial educational activities or activities that are part of the program of instruction at the college.
5. Records that only contain information relating to activities in which an individual engaged after he or she was no longer a student at the college.
  6. Medical or nursing records which are made or maintained separately and solely by a licensed health care professional and which are not used for education purposes or planning.
  7. "Personally identifiable information" includes, but is not limited to:
    - Student's name;
    - The name of the student's parents, children, spouse or other family members;
    - Address of the student or the student's family;
    - Telephone number of the student or the student's family;
    - Photograph of the student;
    - A personal identifier, such as the student's social security number or student number; and
    - A list of personal characteristics that would make the student's identity easily traceable, or other information that would make the student's identity easily traceable.

**Oregon Community College Unified Reporting System (OCCURS)** describes an informal consortium of community colleges, the Office of Community College Services and the Oregon Community College Association, acting together to provide standard data and reporting formats necessary to improve community college programs, evaluate program effectiveness, and report to various governing bodies and agencies. OCCURS staff and committees acting in support of OCCURS are agents of the consortium members for the purposes of this policy and State law.

**Student** - any person who attends or has attended Blue Mountain Community College.

## Records Restrictions (Holds)

Students that owe a financial obligation to the college will not be able to access their official college transcripts until their debt has been paid in full.

## Social Security Number

Pursuant to OAR 589-004-0400, and ORS 341.290(17), BMCC is required to ask you to provide your Social Security Number. Your Social Security number may be used in developing, validating, or administering predictive tests and assessments; administering student aid programs; improving instruction; internal identification of students; collection of student debts; or comparing student educational experiences with subsequent workforce experiences. The SSN will not be used as the student ID number but will be provided to entities requiring SSNs, including, but not limited to, the federal government for financial aid and the Tax Relief Act (1997) reporting, the U.S. Department of Homeland Security, and the Oregon Community College Unified Reporting System (OCCURS) to meet state and federal reporting requirements. When conducting studies, BMCC will disclose a student's SSN only in a manner that does not permit personal identification of the student by individuals other than representatives of BMCC. Providing your social security is voluntary. If you choose to provide it, it means you consent to allow us to use the number in the manner described. If you chose not to do so, you will not be denied any right, benefit, or privilege provided by law. Students who choose not to provide their SSN will be ineligible for financial aid, and deferred payment and other financial arrangements. You may revoke your consent for the use of the Social Security number at any time by writing to the BMCC Student Records Office, PO Box 100, Pendleton, OR 97801.

## Student Success HUB

## BMCC Alumni Association

**BMCC's Alumni Association fosters lifelong partnerships between students, alumni, employers, and friends of the College. Connections like these make the College and community stronger and more successful. Whether you finished your degree or certificate, started your educational journey, or earned job skills through BMCC, you are an alumnus of Blue Mountain Community College. The only requirement is a passion for the College! Our mission is to inform, connect and celebrate our alumni! We invite you to stay connected with "the Pack" and be part of BMCC's future through networking, mentorship, volunteerism, and support of current students. Be Timberwolf Proud and join the BMCC Alumni Association at [bluecc.edu/alumni](http://bluecc.edu/alumni). You can also find us on social at *Blue Mountain Community College: Alumni & Friends*.**

## **New Student Orientation (NSO)**

New Student Orientation is required for all new, degree/certificate-seeking students attending BMCC. A new student is defined as any student who has not previously attended BMCC or any previous BMCC student who has had a break in attendance of greater than 2 years. Early College credits earned by high school students are not considered when defining a new student. New Student Orientation is delivered online and contains knowledge that will provide a degree/certificate-seeking student with the basics needed to be prepared for the advising appointment, register for classes, and attend class when the term begins.

## **Tutoring Services**

It is BMCC's goal to provide as many resources as possible to facilitate students' academic success. Part of being a successful student is taking advantage of the help available before you get to the point of feeling overwhelmed and/or are in danger of failing your course. BMCC offers both peer and professional tutoring to help support students in their academic pursuit. The Student Success HUB strives to provide a wide range of tutor availability, meeting the needs of all of our students, whether they are on-site at one of our locations or at a distance via online learning. We have drop-in tutoring available at most of our locations as well as providing tutors remotely, utilizing at a distance technology such as Zoom. Zoom is an online program that can be accessed from the comfort of a student's home and is equipped with chat, audio, video, and whiteboard to work with a BMCC tutor during office hours.

BMCC subscribes to Smarthinking, an online program that provides students 24/7 access to live tutors. Smarthinking provides assistance in writing, math, accounting, statistics, finance, economics, biology, anatomy & physiology, physics, chemistry, office applications, and Spanish. Students who have used Smarthinking have favorable reports regarding help with homework and have stated that they would recommend this service to friends.

All tutoring is provided at no cost to all BMCC students. Students interested in receiving tutoring can access the tutor schedule online at [www.bluecc.edu/tutor](http://www.bluecc.edu/tutor), and click the "schedule" link. The Pendleton campus also posts tutor schedules on a monitor board in the Student Success Center in Morrow Hall. Each BMCC location posts the hours that tutors are available at their site.

## **TRiO - Student Support Services**

TRiO/Student Support Services works with eligible, admitted students to provide comprehensive academic support. Nationwide, students who are part of a TRiO program tend to have higher GPAs and earn more credits than those who are not involved with TRiO. The TRiO program at BMCC offers a student computer lab, professional tutoring, peer mentoring, comprehensive advising, student success coaching, four-year transfer assistance, campus visits, workshops on study strategies and time management, and book and calculator loans.

TRiO/Student Support Services also offers cultural and student engagement opportunities. Students are provided opportunities to attend yearly theatre, museum, art, and community events. Additionally, students are encouraged to join the TRiO Club, an ASG club focused on community service and leadership opportunities while providing fun and exciting college experiences.

To qualify, you must be a U.S. citizen or permanent resident and enrolled in a degree program at any of the Blue Mountain Community College campuses. In addition, you must meet at least one of the following criteria: be a first-generation student (neither parent graduated with a bachelor's degree), qualify as low income, or have a documented disability. For more information or to learn if you qualify, drop by



the TRiO/Student Support Services offices on the Pendleton campus in Morrow Hall, Room M-141, or call 541-278-5853. TRiO/Student Support Services information is available on-line at [www.bluecc.edu](http://www.bluecc.edu).

## Degrees and Certificate Programs

Associate of Arts Oregon Transfer (AAOT)

Associate of Arts Oregon Transfer - Elementary Education (AAOT-Education)

Associate of Science (AS)

Associate of Science Transfer - Business (AST-Bus)

Associate of Science Oregon Transfer - Business (ASOT-Bus)

Associate of Science Oregon Transfer - Computer Science (ASOT-CS)

Associate of General Studies (AGS)

Associate of Applied Science (AAS)

Certificates of Completion (CC)

Career Pathways Certificates of Completion (CPCC)

Statewide Career Pathways Certificates of Completion (SCPC)

Apprenticeships

## New Programs

AAOT-Elementary Education

### **ELEMENTARY/MIDDLE SCHOOL EDUCATION**

The AAOT-Elementary Education degree is designed for those interested in pursuing a career in elementary education. This two year degree prepares students to transfer to an undergraduate teaching program at a four-year university. Required courses will explore topics related to student learning, teaching strategies, and requirements to become a professional educator for an enriching career in education. The Director of Education works closely with students to completion and to transfer seamlessly to a university of their choosing to ensure an efficient pathway to potential licensure.

**GROW YOUR OWN:** A program for students who want to remain local to Eastern Oregon and teach within our own schools. Earn an AAOT-Elementary Education degree in two years from BMCC and transfer seamlessly to EOU to complete the last two years. Completing all onsite at BMCC.

## Career and Technical Programs

## Blue Mountain Community College

### Other Programs

### Arts & Letters (Humanities)

### Available Courses

## Art

- ART 101 - Introduction to Visual Arts *Credits - 4*
- ART 102 - Introduction to Visual Arts *Credits - 4*
- ART 103 - Introduction to Visual Arts *Credits - 4*
- ART 115 - Basic Design *Credits - 4*
- ART 116 - Basic Design *Credits - 4*
- ART 117 - Basic Design *Credits - 4*
- ART 131 - Beginning Drawing *Credits - 4*
- ART 132 - Beginning Drawing *Credits - 4*
- ART 133 - Beginning Drawing *Credits - 4*
- ART 154 - Beginning Ceramic Pottery *Credits - 4*
- ART 155 - Beginning Ceramic Pottery *Credits - 4*
- ART 156 - Beginning Ceramic Pottery *Credits - 4*
- ART 184 - Beginning Watercolor *Credits - 4*
- ART 185 - Watercolor *Credits - 4*
- ART 186 - Watercolor *Credits - 4*
- ART 204 - History of Western Art *Credits - 4*
- ART 205 - History of Western Art *Credits - 4*
- ART 231 - Intermediate Drawing *Credits - 4*
- ART 232 - Intermediate Drawing *Credits - 4*
- ART 233 - Intermediate Drawing *Credits - 4*
- ART 254 - Intermediate Ceramic Pottery *Credits - 4*
- ART 255 - Intermediate Ceramic Pottery *Credits - 4*
- ART 256 - Intermediate Ceramic Pottery *Credits - 4*
- ART 261 - Beginning Photography *Credits - 4*
- ART 262 - Digital Photo Imaging *Credits - 4*
- ART 263 - Beginning Photography *Credits - 4*
- ART 264 - Intermediate Photography *Credits - 4*
- ART 265 - Intermediate Photography *Credits - 4*
- ART 266 - Intermediate Photography *Credits - 4*
- ART 276 - Beginning Sculpture *Credits - 4*
- ART 277 - Beginning Sculpture *Credits - 4*
- ART 278 - Beginning Sculpture *Credits - 4*
- ART 281 - Beginning Painting *Credits - 4*
- ART 282 - Beginning Painting *Credits - 4*
- ART 283 - Beginning Painting *Credits - 4*
- ART 285 - Intermediate Painting *Credits - 4*
- ART 286 - Intermediate Painting *Credits - 4*
- ART 291 - Intermediate Sculpture *Credits - 4*
- ART 292 - Intermediate Sculpture *Credits - 4*
- ART 293 - Intermediate Sculpture *Credits - 4*

## Communication

- COM 112 - Small Group Communication *Credits - 4*
- COM 115 - Intercultural Communication *Credits - 4*

## English

- ENG 104 - Introduction to Literature *Credits - 4*
- ENG 105 - Introduction to Literature *Credits - 4*
- ENG 106 - Introduction to Literature *Credits - 4*
- ENG 107 - World Literature *Credits - 4*
- ENG 108 - World Literature *Credits - 4*
- ENG 109 - World Literature *Credits - 4*
- ENG 197 - Film as Literature *Credits - 4*
- ENG 201 - Shakespeare *Credits - 4*
- ENG 202 - Shakespeare *Credits - 4*
- ENG 203 - Shakespeare *Credits - 4*
- ENG 204 - Survey of English Literature *Credits - 4*
- ENG 205 - Survey of English Literature *Credits - 4*
- ENG 206 - Survey of English Literature *Credits - 4*
- ENG 253 - Survey of American Literature *Credits - 4*
- ENG 254 - Survey of American Literature *Credits - 4*
- ENG 255 - Survey of American Literature *Credits - 4*
- ENG 260 - Introduction to Women Writers *Credits - 4*
- ENG 263 - Detective Fiction *Credits - 4*
- ENG 264 - Detective Fiction *Credits - 4*
- ENG 269 - Nature Literature *Credits - 4*
- PHL 101 - Introduction to Philosophy *Credits - 4*
- PHL 102 - Introduction to Ethics *Credits - 4*
- PHL 103 - Critical Thinking *Credits - 4*
- WR 241 - Introduction to Imaginative Writing *Credits - 4*
- WR 242 - Introduction to Imaginative Writing *Credits - 4*
- WR 243 - Introduction to Imaginative Writing *Credits - 4*

## Music

- MUS 105 - Music Appreciation *Credits - 4*
- MUS 205 - Introduction to Jazz History *Credits - 4*
- MUS 206 - Introduction to History of Rock Music *Credits - 4*
- MUS 207 - History of Folk Music *Credits - 4*

## Foreign Languages

- SPAN 201 - Second-Year Spanish *Credits - 4*
- SPAN 202 - Second-Year Spanish *Credits - 4*
- SPAN 203 - Second-Year Spanish *Credits - 4*
- SPAN 218 - Spanish for Heritage Speakers *Credits - 4*

## Theatre

- TA 101 - Introduction to the Theatre *Credits - 4*
- TA 141 - Fundamentals of Acting Techniques *Credits - 4*
- TA 142 - Fundamentals of Acting Techniques *Credits - 4*
- TA 143 - Fundamentals of Acting Techniques *Credits - 4*
- TA 241 - Intermediate Acting Techniques *Credits - 4*
- TA 242 - Intermediate Acting Techniques *Credits - 4*
- TA 243 - Intermediate Acting Techniques *Credits - 4*

# Career and Technical Courses

## Available Courses

### Agriculture

- AGM 131 - Agriculture Safety *Credits - 3*
- AGM 140 - Agriculture Engines *Credits - 3*
- AGM 211 - Agriculture Construction and Surveying *Credits - 3*
- AGM 221 - Metals and Welding *Credits - 3*
- AGM 240 - Tractors *Credits - 2*
- AGM 241 - Agriculture Machinery *Credits - 3*
- AGM 250 - Irrigation Systems Design *Credits - 3*
- AGM 251 - Irrigation Systems *Credits - 3*
- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- AGR 200 - Pre-Employment Seminar *Credits - 1*
- AGR 210 - Agriculture Accounting *Credits - 4*
- AGR 211 - Agriculture Business Management *Credits - 3*
- AGR 221 - Agriculture Marketing *Credits - 3*
- AGR 226 - Agriculture Issues *Credits - 3*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- AGR 296 - Production Problems *Credits - 4*
- ANS 122 - Animal Science *Credits - 3*
- ANS 198 - Special Studies *Credits - 1-3*
- ANS 201 - Introduction to Equine Science *Credits - 3*
- ANS 211 - Animal Nutrition *Credits - 4*
- ANS 212 - Animal Nutrition Recitation *Credits - 1*
- ANS 216 - Pregnancy Testing/Bovine *Credits - 1*
- ANS 217 - Artificial Insemination *Credits - 3*
- ANS 218 - Advanced Artificial Insemination *Credits - 1*
- ANS 220 - Beef Production *Credits - 4*
- ANS 222 - Sheep and Swine Production *Credits - 4*
- ANS 232 - Live Meat Animal Evaluation *Credits - 3*
- ANS 233 - Livestock Evaluation/Oral Reasons *Credits - 1*
- ANS 240 - Animal Health *Credits - 5*
- CSS 100 - Soils and Fertilizers *Credits - 3*
- CSS 109 - Introduction to Precision Agriculture *Credits - 2*
- CSS 201 - Principles of Crop Science *Credits - 3*
- CSS 210 - Forage Crops *Credits - 3*
- CSS 221 - Agricultural Spatial Analysis *Credits - 4*
- CSS 230 - Precision Irrigation Software *Credits - 3*
- CSS 241 - Integrated Pest Management *Credits - 4*
- HORT 100 - Plant Science *Credits - 3*
- HORT 111 - Alternative Crop Production *Credits - 3*
- RNG 241 - Range Management *Credits - 3*
- UAS 110 - Introduction to Unmanned Aerial Systems *Credits - 4*
- UAS 211 - Introduction to Remote Sensing *Credits - 5*
- VT 109 - Introduction to Veterinary Science *Credits - 2*
- VT 110 - Fundamentals of Veterinary Assistant I *Credits - 3*

- VT 111 - Fundamentals of Veterinary Assistant II *Credits - 3*
- VT 201 - Anesthesiology *Credits - 4*
- VT 202 - Veterinary Surgical Assisting *Credits - 2*
- VT 204 - Applied Radiology *Credits - 3*
- VT 205 - Pharmacology *Credits - 3*
- VT 210 - Small Animal Disease *Credits - 3*
- VT 211 - Large Animal Disease *Credits - 3*
- VT 101 - Introduction to Veterinary Technology *Credits - 2*
- VT 102 - Nursing and Restraint *Credits - 2*
- VT 103 - Animal Health Record Systems *Credits - 3*
- VT 105 - Anatomy and Physiology I *Credits - 4*
- VT 106 - Anatomy and Physiology II *Credits - 4*
- VT 120 - Clinical Lab Procedures I *Credits - 4*
- VT 121 - Clinical Lab Procedures II *Credits - 4*
- VT 280 - Cooperative Work Experience *Credits - 1-4*

## Business Administration

- BA 104 - Business Mathematics *Credits - 4*
- BA 110 - Database/MS Access *Credits - 3*
- BA 111 - Basic Accounting *Credits - 4*
- BA 155 - Introduction to Fraud Examination *Credits - 3*
- BA 177 - Payroll Accounting *Credits - 4*
- BA 209 - Accounting Applications/QuickBooks *Credits - 3*
- BA 224 - Human Resources Management *Credits - 3*
- BA 249 - Retail Selling *Credits - 3*
- BA 277 - Business Ethics *Credits - 3*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- BT 116 - Professional Office Procedures *Credits - 4*
- BT 120 - Computer Keyboarding *Credits - 2*
- BT 121 - Document Processing I *Credits - 4*
- BT 140 - Business Document Editing *Credits - 3*
- BT 201 - Word Processing/MS Word *Credits - 3*
- BT 206 - Desktop Publishing *Credits - 3*
- BT 251 - Medical Terminology *Credits - 3*
- BT 252 - Medical Terminology *Credits - 3*
- BT 257 - Medical Office Procedures *Credits - 4*
- BT 258 - Medical Insurance Procedures and Coding *Credits - 3*
- BT 290 - Integrated Office Systems *Credits - 3*
- HTM 100 - Hospitality and Tourism Industry *Credits - 3*
- HTM 105 - Food and Beverage Industry *Credits - 3*
- HTM 130 - Beverages *Credits - 3*
- HTM 131 - Customer Service Management I *Credits - 3*
- HTM 224 - Catering Operations *Credits - 3*
- HTM 226 - Event Management *Credits - 3*

## Criminal Justice

- CJ 204 - Behavioral Cognitive Processes *Credits - 4*
- CJ 205 - Victimology *Credits - 3*

- CJ 210 - Police and Community *Credits - 3*
- CJ 212 - Criminal Investigation *Credits - 3*
- CJ 225 - Correctional Law *Credits - 3*
- CJ 232 - Correctional Casework Counseling *Credits - 3*
- CJ 240 - Crime, Justice and Diversity *Credits - 3*
- CJ 243 - Narcotics and Dangerous Drugs *Credits - 3*
- CJ 250 - Criminal Justice Administration *Credits - 3*
- CJ 280 - Cooperative Work Experience *Credits - 1-8*

## Math/Computer Science

- CS 145 - Introduction to PC Hardware and Software *Credits - 5*
- CS 179 - Introduction to Networking *Credits - 4*
- CS 180 - Computer Science Practicum *Credits - 1-5*
- CS 240L - Introduction to Linux Systems Administration *Credits - 3*
- CS 279 - Network Management II *Credits - 5*
- CS 282 - Computer Science Colloquium *Credits - 3*

## Engineering Tech

- DRF 110 - Print Reading For Welders *Credits - 2*
- DRF 112 - Computer Aided Drafting *Credits - 3*
- DRF 113 - Advanced Computer Aided Drafting *Credits - 3*
- DRF 243 - Industrial Drafting *Credits - 4*
- DRF 263 - 3-D Computer Aided Drafting *Credits - 3*

## Diesel

- DSL 141 - Heavy Duty Steering and Suspension *Credits - 4*
- DSL 151 - Heavy Duty Brakes I *Credits - 3*
- DSL 152 - Manual Drive Trains I *Credits - 3*
- DSL 153 - Manual Drive Trains II *Credits - 3*
- DSL 161 - Diesel Engines *Credits - 4*
- DSL 162 - Engine Repair I *Credits - 4*
- DSL 175 - Heavy Duty Equipment *Credits - 3*
- DSL 176 - Mobile Air-Conditioning and Heating *Credits - 3*
- DSL 181 - Shop Practices *Credits - 3*
- DSL 184 - Fluid Mechanics *Credits - 4*
- DSL 191 - Electrical Systems I *Credits - 4*
- DSL 192 - Electrical Systems II *Credits - 4*
- DSL 193 - Electrical Systems III *Credits - 4*
- DSL 196 - Electronic Diagnostics and Engine Emissions *Credits - 3*
- DSL 200 - Pre-Employment Seminar *Credits - 1*
- DSL 251 - Heavy Duty Brakes II *Credits - 3*
- DSL 262 - Engine Repair II *Credits - 4*
- DSL 275 - Heavy Duty Equipment II *Credits - 3*
- DSL 280 - Cooperative Work Experience *Credits - 1-8*

## Early Childhood Education

- ECE 100 - Developmentally Appropriate Practice in Early Childhood Ed *Credits - 3*
- ECE 101 - Family and Community Relations *Credits - 3*
- ECE 109 - Foundations and Careers in Early Childhood *Credits - 3*
- ECE 111 - Introduction to ECE Environments *Credits - 3*
- ECE 112 - Introduction to Early Childhood Education/Professionalism *Credits - 1*
- ECE 150 - Observation/Assessment and Recording *Credits - 3*
- ECE 151 - Guidance and Classroom Management *Credits - 3*
- ECE 152 - Creativity for Young Children *Credits - 3*
- ECE 153 - Music and Movement *Credits - 3*
- ECE 154 - Literature and Literacy *Credits - 3*
- ECE 175A - Infant/Toddler Caregiving: Social Emotional Growth *Credits - 1*
- ECE 175B - Infant/Toddler Caregiving: Group Care *Credits - 1*
- ECE 175C - Infant/Toddler Caregiving: Learning and Development *Credits - 1*
- ECE 175D - Infant/Toddler Caregiving: Culture, Family and Provider *Credits - 1*
- ECE 198 - Special Studies *Credits - 1-3*
- ECE 220 - Science and Nature with Young Children *Credits - 3*
- ECE 225 - Prenatal, Infant and Toddler Development *Credits - 3*
- ECE 226 - Child Development *Credits - 3*
- ECE 228 - Responsive Infant Toddler Programs *Credits - 3*
- ECE 240 - Curriculum/Planning *Credits - 3*
- ECE 245 - Challenging Behavior in Young Children *Credits - 3*
- ECE 249 - Inclusion of Children with Special Needs *Credits - 3*
- ECE 280 - Cooperative Work Experience *Credits - 1-8*
- ECE 295 - Child Care Administration *Credits - 3*
- ECE 296 - Issues and Trends *Credits - 3*

## Education

- ED 169 - Overview of Students with Special Needs *Credits - 3*
- ED 298 - Special Studies *Credits - 1-3*

## EMT/Fire Science

- EMT 115 - Crisis Intervention *Credits - 3*
- EMT 151 - Emergency Medical Technician Part A *Credits - 6*
- EMT 152 - Emergency Medical Technician Part B *Credits - 6*
- EMT 176 - Emergency Response Patient Transportation *Credits - 2*
- EMT 177 - Emergency Response Communication//Documentation *Credits - 2*
- ES 169 - Emergency Service Rescue *Credits - 3*
- ES 175 - Introduction to Emergency Services *Credits - 4*
- ET 114 - Introduction to Geographic Information Systems *Credits - 4*
- ET 222 - Concrete Practices *Credits - 4*
- ET 222A - Concrete Field Testing Technician *Credits - 1*
- ET 222B - Concrete Control Technician *Credits - 1*
- ET 222C - Concrete Strength Testing Technician *Credits - 1*
- FS 110A - Fire Fighter Skills Academy part A *Credits - 3*
- FS 110B - Fire Fighter Skills Academy part B *Credits - 3*
- FS 112 - Firefighter II Skills Academy *Credits - 4*
- FS 121 - Fire Behavior & Combustion *Credits - 3*
- FS 122 - Fundamentals of Fire Prevention *Credits - 3*

- FS 123 - Hazardous Materials - Awareness/Operation *Credits - 2*
- FS 130 - Wildland Firefighter *Credits - 2*
- FS 137 - Fire Protection Systems *Credits - 3*
- FS 166 - Building Construction for Fire Prevention *Credits - 3*
- FS 169 - Apparatus Operator/Driver *Credits - 4*
- FS 170 - Intro to Fire Tactics & Strategies *Credits - 3*
- FS 212 - Fire Investigation *Credits - 3*
- FS 214 - Principles of Fire & Emergency Services Safety & Survival *Credits - 3*
- FS 240 - Emergency Services Instructor I *Credits - 3*
- FS 274 - Intro to Fire & Emergency Administration *Credits - 3*
- FS 280 - Cooperative Work Experience *Credits - 1-8*

## Health/Physical Education

- FN 230 - Children, Families and Nutrition *Credits - 3*
- HE 100 - Introduction to Health Services *Credits - 3*
- HE 298 - Special Studies *Credits - 1-3*

## Mechatronics

## Nursing

- NRS 110 - Foundations of Nursing -Health Promotion *Credits - 9*
- NRS 111 - Foundations of Nursing in Chronic Illness I *Credits - 6*
- NRS 112 - Foundations of Nursing in Acute Care I *Credits - 6*
- NRS 221 - Foundations of Nursing in Chronic Illness II/End of Life *Credits - 9*
- NRS 222 - Foundations of Nursing in Acute Care II/End of Life *Credits - 9*
- NRS 224 - Scope of Practice/Integrated Practicum *Credits - 9*
- NRS 230 - Clinical Pharmacology I *Credits - 3*
- NRS 231 - Clinical Pharmacology II *Credits - 3*
- NRS 232 - Pathophysiological Processes I *Credits - 3*
- NRS 233 - Pathophysiological Processes II *Credits - 3*

## Welding

- WLD 111 - Basic Gas and Arc Welding *Credits - 3*
- WLD 112 - Advanced Arc Welding *Credits - 3*
- WLD 221 - TIG Welding *Credits - 3*
- WLD 253 - Welding Practices for Certification *Credits - 3*
- WLD 256 - Pipe Welding for Certification *Credits - 3*

## Computer Science

### Available Courses

- CS 120 - Concepts of Computing *Credits - 4*
- CS 133B - Programming with Visual Basic *Credits - 4*
- CS 133J - Scripting: Javascript with jQuery *Credits - 4*
- CS 133U - Programming with C+ *Credits - 4*



- CS 160 - Gentle Introduction to Programming *Credits - 4*
- CS 161 - Computer Science *Credits - 4*
- CS 162 - Computer Science *Credits - 4*
- CS 195 - Web Development *Credits - 4*
- CS 260 - Data Structures *Credits - 4*
- CS 275 - Database Development *Credits - 4*
- CS 295 - Web Development *Credits - 4*

## General Electives

### Available Courses

#### Agriculture

- ANS 121 - Animal Science *Credits - 4*
- ANS 231 - Livestock Evaluation *Credits - 3*
- CSS 122 - Irrigated Crops *Credits - 3*
- CSS 220 - Geospatial Data Collection *Credits - 5*
- CSS 240 - Pest Management *Credits - 4*

#### Art

- ART 198 - Special Studies *Credits - 1-3*
- ART 298 - Special Studies *Credits - 1-3*

#### Business Administration

- BA 101 - Introduction to Business *Credits - 4*
- BA 131 - Introduction to Business Computing *Credits - 4*
- BA 198 - Special Studies *Credits - 1-3*
- BA 206 - Principles of Management *Credits - 4*
- BA 211 - Principles of Accounting *Credits - 4*
- BA 212 - Principles of Accounting *Credits - 4*
- BA 213 - Principles of Accounting *Credits - 4*
- BA 214 - Business Communications *Credits - 4*
- BA 223 - Principles of Marketing *Credits - 4*
- BA 226 - Business Law *Credits - 4*
- BA 280 - Cooperative Work Experience *Credits - 1-8*
- BA 285 - Human Relations in Business *Credits - 3*
- BA 298 - Special Studies *Credits - 1-3*
- LD 110 - Your Professional Development Plan *Credits - 1*
- LD 130 - Building a Team *Credits - 1*
- LD 131 - Leading and Motivating a Team *Credits - 1*
- LD 132 - Team Processes *Credits - 1*
- LD 133 - Workplace Culture *Credits - 1*
- LD 150 - Cultivating Self-Care *Credits - 1*
- LD 201 - Student Success II *Credits - 3*
- LD 211 - Ethics in Action *Credits - 1*
- LD 212 - Preparing for Presentations *Credits - 1*
- LD 215 - Emotional Intelligence *Credits - 2*

- LD 225 - Social Intelligence *Credits - 2*
- LD 288 - Practicing Leadership Through Service Learning *Credits - 1*

## Communication

- COM 100 - Human Communication *Credits - 4*
- COM 237 - Gender and Communication *Credits - 3*

## Criminal Justice

- CJ 100 - Introduction to Criminal Justice *Credits - 3*
- CJ 109 - Careers in Criminal Justice *Credits - 3*
- CJ 110 - Police Systems and Practices *Credits - 3*
- CJ 120 - American Court Systems and Practices *Credits - 3*
- CJ 130 - Correctional Systems and Practices *Credits - 3*
- CJ 132 - Probation and Parole: Systems and Practices *Credits - 3*
- CJ 198 - Special Studies *Credits - 1-3*
- CJ 200 - Theories of Crime and Delinquency *Credits - 3*
- CJ 201 - Juvenile Justice *Credits - 3*
- CJ 214 - Criminal Justice Report Writing *Credits - 3*
- CJ 220 - Criminal Law *Credits - 3*
- CJ 222 - Procedural Law *Credits - 3*
- CJ 227 - Ethics in Criminal Justice *Credits - 3*

## Education

- ED 216 - Foundations of Education *Credits - 4*
- ED 258 - Multicultural Education *Credits - 3*
- ED 280 - Cooperative Work Experience *Credits - 1-8*

## English

- ENG 198 - Special Studies *Credits - 1-3*
- ENG 240 - Native American Literature *Credits - 3*
- PHL 101 - Introduction to Philosophy *Credits - 4*
- PHL 102 - Introduction to Ethics *Credits - 4*
- PHL 103 - Critical Thinking *Credits - 4*
- WR 115 - Introduction to College Writing *Credits - 4*
- WR 198 - Special Studies *Credits - 1-3*
- WR 298 - Special Studies *Credits - 1-3*

## Engineering

- ENGR 231- Engineering Statics *Credits - 4*
- ENGR 235 - Engineering Strength of Materials *Credits - 4*
- ENGR 261- Engineering Fluid Dynamics *Credits - 4*
- ENGR 265 - Hydraulics II *Credits - 4*

## Foreign Languages

- SPAN 101 - First Year Spanish *Credits - 4*
- SPAN 102 - First Year Spanish *Credits - 4*
- SPAN 103 - First Year Spanish *Credits - 4*
- SPAN 211 - Spanish Conversation and Composition *Credits - 3*
- SPAN 212 - Spanish Conversation and Composition *Credits - 3*
- SPAN 213 - Spanish Conversation and Composition *Credits - 3*
- UMA 101 - First Year Umatilla *Credits - 4*

## Health/Physical Education

- FN 225 - Nutrition *Credits - 4*
- PE 198 - Special Studies *Credits - 1-3*

## Math/Computer Science

- CS 125 - Software Applications *Credits - 3*
- CS 125i - Digital Imaging (Photoshop) *Credits - 3*
- CS 125M - 3D Modeling and Animation *Credits - 4*
- CS 160 - Gentle Introduction to Programming *Credits - 4*
- CS 198 - Special Studies *Credits - 1-3*
- CS 280 - Cooperative Work Experience *Credits - 1-8*
- CS 288 - Network Management III *Credits - 4*
- CS 298 - Special Studies *Credits - 1-3*
- MTH 103 - Problem Solving with Technology *Credits - 1*
- MTH 198 - Special Studies *Credits - 1-3*
- MTH 298 - Special Studies *Credits - 1-3*

## Music

- MUP 105 - Jazz Ensemble *Credits - 1*
- MUP 115 - General Ensemble *Credits - 1*
- MUP 122 - Concert Choir *Credits - 1*
- MUP 125 - Vocal Jazz Ensemble *Credits - 1*
- MUP 141 - Symphony Orchestra *Credits - 1*
- MUP 168 - Applied Woodwinds *Credits - 1*
- MUP 169 - Applied Brass *Credits - 1*
- MUP 170 - Applied Strings *Credits - 1*
- MUP 171 - Applied Piano *Credits - 1*
- MUP 174 - Applied Voice *Credits - 1*
- MUP 205 - Jazz Ensemble *Credits - 1*
- MUP 222 - Concert Choir *Credits - 1*
- MUP 225 - Vocal Jazz Ensemble *Credits - 1*
- MUP 241 - Symphony Orchestra *Credits - 1*
- MUP 268 - Applied Woodwinds *Credits - 1*
- MUP 269 - Applied Brass *Credits - 1*
- MUP 270 - Applied Strings *Credits - 1*
- MUP 271 - Applied Piano *Credits - 1*
- MUP 274 - Applied Voice *Credits - 1*
- MUS 101 - Fundamentals of Music *Credits - 2*
- MUS 111 - Music Theory *Credits - 4*

- MUS 112 - Music Theory *Credits - 4*
- MUS 113 - Music Theory *Credits - 4*
- MUS 114 - Ear Training and Sight Singing *Credits - 1*
- MUS 115 - Ear Training and Sight Singing *Credits - 1*
- MUS 116 - Ear Training and Sight Singing *Credits - 1*
- MUS 131 - Class Piano *Credits - 2*
- MUS 132 - Class Piano *Credits - 2*
- MUS 133 - Class Piano *Credits - 2*
- MUS 135 - Class Voice *Credits - 2*
- MUS 198 - Special Studies *Credits - 1-3*
- MUS 201 - Introduction to Music and Its Literature *Credits - 3*
- MUS 202 - Introduction to Music and Its Literature *Credits - 3*
- MUS 203 - Introduction to Music and Its Literature *Credits - 3*
- MUS 211 - Music Theory *Credits - 3*
- MUS 212 - Music Theory *Credits - 3*
- MUS 298 - Special Studies *Credits - 1-3*

## Reading

- RD 101 - College Textbook Reading *Credits - 3*
- RD 120 - Critical Reading and Thinking *Credits - 3*
- RD 220 - Advanced Critical Reading & Thinking *Credits - 3*

## Science

- BI 160 - Local Ecosystems *Credits - 1*
- BI 161 - Ecosystems Recovery *Credits - 2*
- BI 198 - Special Studies *Credits - 1-3*
- PHY 198 - Special Studies *Credits - 1-3*

## Social Science

- ANTH 298 - Special Studies *Credits - 1-3*
- EC 198 - Special Studies *Credits - 1-3*
- HST 298 - Special Studies *Credits - 1-3*
- PS 198 - Special Studies *Credits - 1-3*
- SOC 198 - Special Studies *Credits - 1-3*

## Theatre

- TA 165 - Technical Theatre Workshop *Credits - 3*
- TA 180 - Theatre Rehearsal and Performance *Credits - 3*

## Health/Wellness

### Available Courses

- HE 115 - Body Composition Assessment *Credits - 1*
- HE 250 - Personal Health *Credits - 3*

- HE 252 - First Aid *Credits - 3*
- HE 253 - Personal Nutrition *Credits - 3*
- HPE 295 - Health and Fitness for Life *Credits - 3*
- PE 131 - Introduction to Physical Education *Credits - 3*
- PE 185 - Physical Education Activity *Credits - 1*
- PE 290 - Lifeguard Training Review *Credits - 1*
- PE 291 - Lifeguard Training *Credits - 2*
- PE 292 - Water Safety Instructor/WSI *Credits - 2*
- PE 293 - Lifeguard Instructor Training/LGI *Credits - 2*

## **Human Relations**

### Available Courses

#### Agriculture

- AGR 226 - Agriculture Issues *Credits - 3*

#### Business Administration

- BA 277 - Business Ethics *Credits - 3*
- BA 285 - Human Relations in Business *Credits - 3*
- LD 130 - Building a Team *Credits - 1*
- LD 133 - Workplace Culture *Credits - 1*
- LD 211 - Ethics in Action *Credits - 1*

#### Communication

- COM 100 - Human Communication *Credits - 4*
- COM 112 - Small Group Communication *Credits - 4*
- COM 115 - Intercultural Communication *Credits - 4*

#### Nursing

- NRS 110 - Foundations of Nursing -Health Promotion *Credits - 9*
- NRS 111 - Foundations of Nursing in Chronic Illness I *Credits - 6*
- NRS 112 - Foundations of Nursing in Acute Care I *Credits - 6*

## **Lab Science**

*PLEASE NOTE: Refer to Course Descriptions for restrictions on G 101, G 102, PHY 201, PHY 202, PHY 203*

### Available Courses

- BI 101 - General Biology *Credits - 4*
- BI 102 - General Biology for Non-Majors *Credits - 4*
- BI 103 - General Biology for Non-majors *Credits - 4*
- BI 112 - Cell Biology for Health Occupations *Credits - 4*
- BI 124 - Global Ecology and Conservation Biology *Credits - 4*

- BI 130 - Survey of Anatomy and Physiology *Credits- 5*
- BI 162 - Selected Topics in Natural History *Credits - 4*
- BI 163 - Natural History of Oregon *Credits - 4*
- BI 211 - General Biology *Credits - 5*
- BI 212 - General Biology for Majors *Credits - 5*
- BI 231 - Human Anatomy and Physiology *Credits - 4*
- BI 232 - Human Anatomy and Physiology *Credits - 4*
- BI 233 - Human Anatomy and Physiology *Credits - 4*
- BI 234 - Microbiology *Credits - 4*
- BI 260 - Microbiology *Credits - 5*
- BOT 221 - Systematic Botany *Credits - 4*
- CH 104 - Introductory Chemistry *Credits - 5*
- CH 105 - Introductory Chemistry *Credits - 5*
- CH 106 - Introductory Chemistry *Credits - 5*
- CH 110 - Foundations of Chemistry *Credits - 5*
- CH 221 - General Chemistry *Credits - 5*
- CH 222 - General Chemistry *Credits - 5*
- CH 223 - General Chemistry *Credits - 5*
- G 101 - Introduction to Geology - Minerals and Rocks *Credits - 4*
- G 102 - Introduction to Geology - Environmental Geology *Credits - 4*
- G 103 - Introduction to Geology - Historical Geology *Credits - 4*
- G 105 - Introduction to Geology: Pacific Northwest Geology *Credits - 4*
- G 201 - Physical Geology *Credits - 4*
- G 202 - Physical Geology *Credits - 4*
- G 203 - Historical Geology *Credits - 4*
- GS 104 - Physical Science/Physics *Credits - 4*
- GS 105 - Physical Science/Chemical Concepts *Credits - 4*
- GS 107 - Physical Science/Astronomy *Credits - 4*
- GS 110 - Physical Science/Energy *Credits - 4*
- GS 111 - Physical Science/Forensic Science *Credits - 4*
- PHY 101 - Essentials of Physics *Credits - 4*
- PHY 201 - General Physics *Credits - 5*
- PHY 202 - General Physics *Credits - 5*
- PHY 203 - General Physics *Credits - 5*
- PHY 211 - General Physics with Calculus *Credits - 5*
- PHY 212 - General Physics with Calculus *Credits - 5*
- PHY 213 - General Physics with Calculus *Credits - 5*

## Mathematics

### Available Courses

- MTH 105 - Math in Society *Credits - 5*
- MTH 111 - College Algebra *Credits - 5*
- MTH 112 - Elementary Functions *Credits - 5*
- MTH 211 - Foundations of Elementary Mathematics *Credits - 4*
- MTH 212 - Foundations of Elementary Mathematics *Credits - 4*
- MTH 213 - Foundations of Elementary Mathematics *Credits - 4*
- MTH 231 - Discrete Mathematics *Credits - 4*
- MTH 241 - Calculus for Management/Social Science *Credits - 4*

- MTH 243 - Introduction to Probability and Statistics *Credits - 4*
- MTH 251 - Calculus *Credits - 4*
- MTH 252 - Calculus *Credits - 4*
- MTH 253 - Calculus *Credits - 4*
- MTH 254 - Vector Calculus *Credits - 4*
- MTH 256 - Differential Equations *Credits - 4*
- MTH 261 - Linear Algebra *4*

## **Non-Lab Science**

### Available Courses

- BI 149 - Human Genetics *Credits - 3*
- G 147 - Basic Geology *Credits - 3*
- GEOG 101 - Physical Geography *Credits - 4*

## **Social Science**

### Available Courses

- ANTH 101 - Introduction to Physical Anthropology *Credits - 4*
- ANTH 102 - Introduction to Archaeology and Prehistory *Credits - 4*
- ANTH 103 - Introduction to Cultural Anthropology *Credits - 4*
- EC 201 - Principles of Microeconomic Theory with Applications *Credits - 4*
- EC 202 - Principles of Macroeconomic Theory with Applications *Credits - 4*
- GEOG 103 - Human Geography *Credits - 4*
- GEOG 120 - World/Regional Geography *Credits - 4*
- GEOG 206 - Geography of Oregon *Credits - 4*
- HST 201 - History of the United States *Credits - 4*
- HST 202 - History of the United States *Credits - 4*
- HST 203 - History of the United States *Credits - 4*
- PS 201 - American Government and Politics *Credits - 4*
- PS 202 - American Government and Politics *Credits - 4*
- PS 203 - American Government/State and Local *Credits - 4*
- PSY 201 - General Psychology *Credits - 4*
- PSY 202 - General Psychology *Credits - 4*
- PSY 237 - Human Development *Credits - 4*
- SOC 204 - General Sociology: Sociology in Everyday Life *Credits - 4*
- SOC 205 - General Sociology/Institutions and Social Change *Credits - 4*
- SOC 213 - Minorities *Credits - 4*
- SOC 217 - Family and Society *Credits - 4*

## **Agriculture**

### **Degree**

### **Agriculture Business (AAS)**

Business and Management

## Intended Program Outcomes:

This two-year program leading to an A.A.S. in agriculture business will prepare the student for a career in the broad field of agri-business or in support areas of production agriculture by providing the necessary knowledge in the following areas:

- Industry-related employment skills
- Animal science (techniques, issues, technology, trends)
- Crop science (techniques, issues, technology, trends)
- Agriculture-related business practices
- Agricultural operations (safety, mechanical technology)

Opportunities are available in sales of equipment, fertilizer and chemicals, agricultural credit, record-keeping and other areas. Many of the business and agriculture courses may be transferred to other four-year colleges. Students wishing to transfer to a four-year institution should review with their advisor the transferability of their courses and should review the program requirements of that school. The following schedule is illustrative only; an individual student's schedule may be different.

## Program Curriculum

### Term 1

- AGM 131 - Agriculture Safety *Credits - 3*
- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- AGR 210 - Agriculture Accounting *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Term 1 Total: 15

### Term 2

- AGM 140 - Agriculture Engines *Credits - 3*
- AGM 221 - Metals and Welding *Credits - 3*
- AGR 211 - Agriculture Business Management *Credits - 3*
- ANS 121 - Animal Science *Credits - 4*
- WR 227 - Technical Report Writing *Credits - 4*

Term 2 Total: 17

### Term 3

- AGR 221 - Agriculture Marketing *Credits - 3*
- ANS 122 - Animal Science *Credits - 3*
- Business Electives *Credits - 4*
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*

Term 3 Total: 15

### Term 4



- AGM 211 - Agriculture Construction and Surveying *Credits - 3*
- AGR 226 - Agriculture Issues *Credits - 3*
- CSS 210 - Forage Crops *Credits - 3*
- EC 201 - Principles of Microeconomic Theory with Applications *Credits - 4*
- HORT 100 - Plant Science *Credits - 3*

Term 4 Total: 16

Term 5

- AGR 200 - Pre-Employment Seminar *Credits - 1*
- Business Electives *Credits - 8*
- CSS 100 - Soils and Fertilizers *Credits - 3*
- EC 202 - Principles of Macroeconomic Theory with Applications *Credits - 4*

Term 5 Total: 16

Term 6

- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- AGR 296 - Production Problems *Credits - 4*
- COM 111 - Public Speaking *Credits - 4 (or higher)*
- HE 252 - First Aid *Credits - 3*  
OR
- HPE 295 - Health and Fitness for Life *Credits - 3*

Term 6 Total: 17

Total Credits: 96

## **Agriculture Production (AAS)**

Agriculture, Food and Natural Resources Systems

### **Intended Program Outcomes:**

This two-year program leading to an A.A.S. degree in agriculture production will prepare the student concerned with the raising of an agriculture crop commodity by providing the necessary knowledge in the following areas:

Industry-related employment skills

- Animal science (techniques, issues, technology, trends)
- Crop science (techniques, issues, technology, trends)
- Agriculture-related business practices
- Agricultural operations (safety, mechanical technology)

The curriculum includes a balanced selection of courses in the areas of crops, mechanics and business. Students wishing to specialize in a particular area should consult their advisor to develop an academic plan. The following schedule is illustrative only; an individual student's schedule may be different.

## Program Curriculum

### Term 1

- AGM 131 - Agriculture Safety *Credits - 3*
- AGM 240 - Tractors *Credits - 2*
- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- AGR 210 - Agriculture Accounting *Credits - 4*
- HORT 100 - Plant Science *Credits - 3*

Term 1 Total: 16

### Term 2

- AGM 140 - Agriculture Engines *Credits - 3*
- AGM 221 - Metals and Welding *Credits - 3*
- AGR 211 - Agriculture Business Management *Credits - 3*
- ANS 121 - Animal Science *Credits - 4*
- CSS 100 - Soils and Fertilizers *Credits - 3*

Term 2 Total: 16

### Term 3

- AGM 241 - Agriculture Machinery *Credits - 3*
- AGR 221 - Agriculture Marketing *Credits - 3*
- ANS 122 - Animal Science *Credits - 3*
- CSS 201 - Principles of Crop Science *Credits - 3*
- RNG 241 - Range Management *Credits - 3*

Term 3 Total: 15

### Term 4

- AGM 211 - Agriculture Construction and Surveying *Credits - 3*
- AGR 226 - Agriculture Issues *Credits - 3*
- COM 100 - Human Communication *Credits - 4 (or higher)*
- CSS 210 - Forage Crops *Credits - 3*
- WR 099 - Writing Workshop *Credits - 1 (or higher)*

Term 4 Total: 16

### Term 5

- AGR 200 - Pre-Employment Seminar *Credits - 1*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- HE 252 - First Aid *Credits - 3*
- Human Relations *Credits - 3*

- MTH 070 - Elementary Algebra *Credits - 5 or higher*

Term 5 Total: 15

Term 6

- AGR 296 - Production Problems *Credits - 4*
- Agriculture Electives *Credits - 12*

Term 6 Total: 16

Total Credits: 94

## **Agriculture Production Crops Option (AAS)**

Agriculture, Food and Natural Resources Systems

### **Intended Program Outcomes:**

This two-year program leading to an A.A.S. in agriculture production: crops, will prepare the student concerned with the raising of an agriculture crop commodity by providing the necessary knowledge in the following areas:

- Industry-related employment skills
- Animal science (techniques, issues, technology, trends)
- Crop science (techniques, issues, technology, trends)
- Agriculture-related business practices
- Agricultural operations (safety, mechanical technology)

The curriculum includes a balanced selection of courses in the areas of crops, mechanics and business. Students wishing to specialize in a particular area should consult their advisor to develop an academic plan. The following schedule is illustrative only; an individual student's schedule may be different.

### **Program Curriculum**

Term 1

- AGM 131 - Agriculture Safety *Credits - 3*
- AGM 240 - Tractors *Credits - 2*
- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- AGR 210 - Agriculture Accounting *Credits - 4*
- HE 252 - First Aid *Credits - 3*
- HORT 100 - Plant Science *Credits - 3*

Term 1 Total: 19

Term 2

- AGM 140 - Agriculture Engines *Credits - 3*
- AGM 211 - Agriculture Construction and Surveying *Credits - 3*

- AGM 250 - Irrigation Systems Design *Credits - 3*
- AGR 211 - Agriculture Business Management *Credits - 3*
- ANS 121 - Animal Science *Credits - 4*
- CSS 100 - Soils and Fertilizers *Credits - 3*

Term 2 Total: 19

Term 3

- AGM 241 - Agriculture Machinery *Credits - 3*
- AGM 251 - Irrigation Systems *Credits - 3*
- ANS 122 - Animal Science *Credits - 3*
- CSS 201 - Principles of Crop Science *Credits - 3*
- COM 100 - Human Communication *Credits - 4 (or higher)*

Term 3 Total: 16

Term 4

- AGM 211 - Agriculture Construction and Surveying *Credits - 3*
- AGR 226 - Agriculture Issues *Credits - 3*
- CSS 210 - Forage Crops *Credits - 3*
- MTH 070 - Elementary Algebra *Credits - 5 (or higher)*

Term 4 Total: 14

Term 5

- AGR 200 - Pre-Employment Seminar *Credits - 1*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- CSS 240 - Pest Management *Credits - 4*
- Human Relations Elective *Credits - 3*
- WR 099 - Writing Workshop *Credits - 1 (or higher)*

Term 5 Total: 13

Term 6

- HORT 111 - Alternative Crop Production *Credits - 3*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- RNG 241 - Range Management *Credits - 3*
- AGR 296 - Production Problems *Credits - 4*
- AGR 221 - Agriculture Marketing *Credits - 3*

Term 6 Total: 16

Total Credits: 97

**Agriculture Production Livestock Option (AAS)**

## Intended Program Outcomes:

This two-year program leading to an A.A.S. degree in agriculture production: livestock, will prepare the student concerned with the raising of an agriculture livestock commodity by providing the necessary knowledge in the following areas:

- Industry-related employment skills
- Animal science (techniques, issues, technology, trends)
- Crop science (techniques, issues, technology, trends)
- Agriculture-related business practices
- Agricultural operations (safety, mechanical technology)

The curriculum includes a balanced selection of courses in the areas of crops, livestock, mechanics and business. Students wishing to specialize in a particular area should consult their advisor to develop an academic plan. The following schedule is illustrative only; an individual student's schedule may be different.

## Program Curriculum

### Term 1

- AGM 131 - Agriculture Safety *Credits - 3*
- AGM 240 - Tractors *Credits - 2*
- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- ANS 201 - Introduction to Equine Science *Credits - 3*
- ANS 216 - Pregnancy Testing/Bovine *Credits - 1*
- HORT 100 - Plant Science *Credits - 3*

Term 1 Total: 16

### Term 2

- AGM 140 - Agriculture Engines *Credits - 3*
- AGM 221 - Metals and Welding *Credits - 3*
- ANS 121 - Animal Science *Credits - 4*
- ANS 220 - Beef Production *Credits - 4*
- CSS 100 - Soils and Fertilizers *Credits - 3*

Term 2 Total: 17

### Term 3

- AGM 241 - Agriculture Machinery *Credits - 3*
- ANS 122 - Animal Science *Credits - 3*
- ANS 217 - Artificial Insemination *Credits - 3*
- CSS 201 - Principles of Crop Science *Credits - 3*
- HE 252 - First Aid *Credits - 3*
- ANS 261 - Introduction to Meat Science *Credits - 2*

Term 3 Total: 17

## Term 4

- AGR 226 - Agriculture Issues *Credits - 3*
- ANS 231 - Livestock Evaluation *Credits - 3*
- CSS 210 - Forage Crops *Credits - 3*
- MTH 062 - Quantitative Literacy I *Credits - 4 (or higher)*

Term 4 Total: 13

## Term 5

- AGR 200 - Pre-Employment Seminar *Credits - 1*
- AGR 211 - Agriculture Business Management *Credits - 3*
- ANS 211 - Animal Nutrition *Credits - 4*
- COM 100 - Human Communication *Credits - 4 (or higher)*
- WR 099 - Writing Workshop *Credits - 1 (or higher)*

Term 5 Total: 15

## Term 6

- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- AGR 296 - Production Problems *Credits - 4*
- ANS 240 - Animal Health *Credits - 5*
- RNG 241 - Range Management *Credits - 3*

Term 6 Total: 16

Total Credits: 94

## **Precision Agriculture (AAS)**

Agriculture, Food, and Natural Resources |

Business and Management |

Industrial and Engineering Systems |

## **Intended Program Outcomes:**

This two-year program leading to an A.A.S. degree in precision irrigated agriculture will prepare the student for a career in the emerging area of precision agriculture by providing the following skills:

- Industry-related employment skills (communication, computer technology)
- Irrigation (crops, precision technology, design, maintenance, management)
- Precision agriculture (technology, data collection, data analysis, recommendations)
- Crop science (techniques, issues, pest management, trends)
- Agriculture-related business practices (management, ethics)
- Agricultural operations (safety, mechanical technology)

This program provides students with a multidisciplinary background in agricultural production, technology and farm management. Students may specialize in one of three areas: irrigation maintenance, data analyst, or farm manager. Students should consult with their advisor to develop an academic plan that reflects their area of interest. The following schedule is illustrative only; an individual student's schedule may be different.

## Program Curriculum

### Term 1

- AGM 131 - Agriculture Safety *Credits - 3*
- AGR 111 - Agriculture Computers *Credits - 3*
- CSS 100 - Soils and Fertilizers *Credits - 3*
- CSS 109 - Introduction to Precision Agriculture *Credits - 2*
- WR 099 - Writing Workshop *Credits - 1 (or higher)*

Term 1 Total: 14

### Term 2

- ET 114 - Introduction to Geographic Information Systems *Credits - 4*
- HORT 100 - Plant Science *Credits - 3*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- AGM 221 - Metals and Welding *Credits - 3*
- MTH 062 - Quantitative Literacy I *Credits - 4 (or higher)*

Term 2 Total: 15

### Term 3

- AGM 241 - Agriculture Machinery *Credits - 3*
- HORT 111 - Alternative Crop Production *Credits - 3*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- UAS 110 - Introduction to Unmanned Aerial Systems *Credits - 4*
- CSS 201 - Principles of Crop Science *Credits - 3*

Term 3 Total: 18

### Term 4

- CSS 220 - Geospatial Data Collection *Credits - 5*
- AGM 240 - Tractors *Credits - 2*
- DSL 191 - Electrical Systems I *Credits - 4*
- UAS 211 - Introduction to Remote Sensing *Credits - 5*

Term 4 Total: 16

### Term 5

- AGR 200 - Pre-Employment Seminar *Credits - 1*

- AGM 250 - Irrigation Systems Design *Credits - 3*
- DSL 192 - Electrical Systems II *Credits - 4*
- CSS 221 - Agricultural Spatial Analysis *Credits - 4*
- CSS 240 - Pest Management *Credits - 4*

Term 5 Total: 16

Term 6

- AGM 251 - Irrigation Systems *Credits - 3*
- BA 277 - Business Ethics *Credits - 3*
- COM 100 - Human Communication *Credits - 4*

Term 6 Total: 12

Total Credits: 91

## Certificate

### **Agriculture Production Crops: Pest Management (CPCC)**

Agriculture, Food and Natural Resources Systems

### **Intended Program Outcomes:**

This less than one-year certificate program in agriculture production-crops: pest management will prepare the student for all aspects of pest management including the proper handling and application of related materials by providing the necessary knowledge in the following areas:

- Industry-related employment skills
- Crop science (techniques, issues, technology, trends)
- Agriculture-related business practices
- Agricultural operations (safety, mechanical technology)

Title IV- Not eligible for Federal aid

### **Program Curriculum**

Term 1

- AGM 131 - Agriculture Safety *Credits - 3*
- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- AGR 226 - Agriculture Issues *Credits - 3*
- HORT 100 - Plant Science *Credits - 3*
- MTH 070 - Elementary Algebra *Credits - 5 (or higher)*

Term 1 Total: 18

Term 2



- AGM 221 - Metals and Welding *Credits - 3*
- AGR 200 - Pre-Employment Seminar *Credits - 1*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- CSS 100 - Soils and Fertilizers *Credits - 3*
- CSS 240 - Pest Management *Credits - 4*

Term 2 Total: 14

Term 3

- RNG 241 - Range Management *Credits - 3*
- AGM 251 - Irrigation Systems *Credits - 3*
- AGM 241 - Agriculture Machinery *Credits - 3*
- CSS 201 - Principles of Crop Science *Credits - 3*

Term 3 Total: 12

Total Credits: 44

## **Agriculture Production Livestock: Beef Production (CPCC)**

Agriculture, Food and Natural Resources Systems

### **Intended Program Outcomes:**

This less than one-year certificate program in agriculture/production-livestock: beef production will prepare the student for all aspects of beef production by providing the necessary knowledge in the following areas:

- Industry-related employment skills
- Animal science (techniques, issues, technology, trends)
- Agriculture-related business practices
- Agricultural operations (safety, mechanical technology)

Title IV- Not eligible for Federal aid

### **Program Curriculum**

Term 1

- AGR 101 - Agriculture Orientation *Credits - 1*
- AGR 111 - Agriculture Computers *Credits - 3*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- ANS 216 - Pregnancy Testing/Bovine *Credits - 1*
- ANS 231 - Livestock Evaluation *Credits - 3*
- CSS 210 - Forage Crops *Credits - 3*

Term 1 Total: 14

Term 2

- AGR 280 - Cooperative Work Experience *Credits - 1-8*
- ANS 121 - Animal Science *Credits - 4*
- ANS 211 - Animal Nutrition *Credits - 4*
- ANS 220 - Beef Production *Credits - 4*

Term 2 Total: 13

Term 3

- ANS 122 - Animal Science *Credits - 3*
- ANS 240 - Animal Health *Credits - 5*
- ANS 217 - Artificial Insemination *Credits - 3*
- RNG 241 - Range Management *Credits - 3*

Term 3 Total: 14

Total Credits: 41

## Apprenticeship

### Degree

### Construction Trades General Apprenticeship (SAAS)

Industrial and Engineering Systems

**(Limited-Entry Program-Journeyman's Card Required)**

### Intended Program Outcomes:

- Complete a minimum of 6000-8000 hours State of Oregon-approved on-the-job training (OJT)
- Repair, install and maintain a variety of building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations
- Seventy-five percent of applicants have documented trade-specific skills listed on the Construction Trades, General Apprenticeship Outcomes Assessment Tool
- Complete required related training with a grade C or better

6000-8000-Hr BOLI-ATD Trades: Asbestos Removal, Carpenter, HVAC/R, Interior/Exterior Finisher, Painter, Pile Driver, Plumber, Scaffold Erector, and Sheet Metal.

### Program Curriculum

- COM 100 - Human Communication *Credits - 4*
- Human Relations Electives *Credits - 6*
- MTH 070 - Elementary Algebra *Credits - 5*
- WR 060 - Elements of the Essay *Credits - 4* (or higher)
- CS 120 - Concepts of Computing *Credits - 4*  
OR
- BA 131 - Introduction to Business Computing *Credits - 4*
- Plumbing Apprentice List *Credits - 48*

- Journey Credit for Prior Certification *Credits - 20*

Total Credits: 91

## Electrician Apprenticeship Technologies (SAAS)

Industrial and Engineering Systems

(Limited-Entry Program-Journeyman's Card Required)

### Intended Program Outcomes (6000-8000 hours):

- Complete 6000-8000 hours State of Oregon-approved on-the-job-training. Apply theory to electrical wiring
- Repair & install electrical wire devices according to licensure regulations to meet NEC and OSC for inside electrician, limited energy technician-license A, limited manufacturing plant electrician, sign assembler/fabricator, sign maker/erector, and stationary engineer
- Seventy-five percent of applicants have documented trade-specific skills listed on the Electrician Apprenticeship Trades Outcomes Assessment Tool
- Complete all required related-training with a grade of C or better

6000 Hour BOLI-ATD Trades: Limited Energy Technician-license A and Sign Maker/Fabricator.

8000 Hour BOLI-ATD Trades: Inside Electrician, Manufacturing Plant Electrician, Sign Assembler/Fabricator, Sign Maker/Erector, and Stationary Engineer. At least 90 credit hours of course work must be satisfactorily completed in order to receive this degree.

### Intended Program Outcomes (4000 hours):

- Complete 4000 hours State of Oregon-approved on-the-job training (OJT)
- Repair or install electrical wire devices according to limited licensure regulations to meet NEC and OSC code for limited energy technician-license B, limited maintenance electrician, limited renewable energy technician, and limited residential electrician

4000 Hour BOLI-ATD Trades: Limited Energy Technician-license B, Limited Maintenance Electrician, Limited Renewable Energy Technician and Limited Residential Electrician. At least 90 credit hours of course work must be satisfactorily completed in order to receive this degree.

### Program Curriculum

- Journey Credit for Prior Certification *Credits - 20*
- Human Relations *Credits - 6*
- MTH 070 - Elementary Algebra *Credits - 5 (or higher)*
- WR 060 - Elements of the Essay *Credits - 4 (or higher)*
- COM 100 - Human Communication *Credits - 4 (or higher)*
- BA 131 - Introduction to Business Computing *Credits - 4*  
OR
- CS 120 - Concepts of Computing *Credits - 4*
- LME Path includes 24 LME cr. + 24 electives (no more than 12 CT elec.) *Credits - 48*  
OR
- Inside Electrician List *Credits - 48*  
OR
- LMPE List *Credits - 48*

Total Credits: 91

# Industrial Mechanics & Maintenance Technology Apprenticeship (SAAS)

Industrial and Engineering Systems

**(Limited-Entry Program-Journeyman's Card Required)**

## Intended Program Outcomes:

- Complete a minimum of 4000 hours State of Oregon approved on-the job training (OJT)
- Repair, install and maintain a variety of industrial equipment using trade specific tools and techniques in compliance with state regulations

4000-Hour BOLI-ATD Trades: Air Frame and Power Plant Technicians, Boiler Operator and Programmable Logic Controller

8000-Hr BOLI-ATD Trades: Boiler/Turbine Operator, Die Cast Mold, Heat and Frost Insulator, Industrial Mobile Mechanic, Instrument Technician, Machinist, Millwright, Motor Winder.

## Program Curriculum

- MTH 070 - Elementary Algebra *Credits - 5* (or higher)
- Journey Credit for Prior Certification *Credits - 20*
- Human Relations *Credits - 6*
- COM 100 - Human Communication *Credits - 4* (or higher)
- WR 060 - Elements of the Essay *Credits - 4* (or higher)
  
- CS 120 - Concepts of Computing *Credits - 4*  
OR
- BA 131 - Introduction to Business Computing *Credits - 4*
  
- Industrial Maintenance Mechanic *Credits - 48*  
OR
- PLC Path includes 24 PLC cr. + 24 electives (no more than 12 CT elec.) *Credits - 48*

Total Credits: 91

## Certificate

# Construction Trades General Apprenticeship (SCPC)

Industrial and Engineering Systems

**(Limited-Entry Program-Journeyman's Card Required)**

## Intended Program Outcomes:

- Complete a minimum of 6000 to 8000 hours State of Oregon-approved on-the-job training (OJT)
- Repair, install, and maintain a variety of building construction projects using trade specific tools and techniques compliance with building codes and OSHA regulations
- Seventy-five percent of applicants have documented trade-specific skills listed on the Construction Trades, General Apprenticeship Outcomes Assessment Tool
- Complete required related training with a grade C or better

6000-8000-Hr BOLI-ATD Trades: Asbestos Removal, Carpenter, HVAC/R, Interior/ Exterior Finisher, Painter, Pile Driver, Plumber, Scaffold Erector, and Sheet Metal.

Title IV- Not eligible for Federal aid

## Program Curriculum

- Human Relations Elective *Credits - 3*
- Plumbing Apprentice List *Credits - 48*
  
- WR 060 - Elements of the Essay *Credits - 4* (or higher)  
OR
- COM 100 - Human Communication *Credits - 4* (or higher)
  
- MTH 070 - Elementary Algebra *Credits - 5*  
(or higher)  
OR
- BA 131 - Introduction to Business Computing *Credits - 4*  
OR
- CS 120 - Concepts of Computing *Credits - 4*

Total Credits: 60

## **Construction Trades, General Apprenticeship\*Trade Worker Apprenticeship Technologies (SCPC)**

Industrial and Engineering Systems

### **Intended Program Outcomes:**

- Complete a minimum of 6000-8000 hours State of Oregon-approved on-the-Job Training (JOT).
- Repair, install, and maintain a variety of building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations

Title IV- Not eligible for Federal aid

## Program Curriculum

### Term 1

- APR 110A - Plumbing Apprenticeship Fundamentals *Credits - 4*
- APR 110B - Plumbing Apprenticeship Math and Basic Installation *Credits - 4*
- APR 110C - Plumbing Apprenticeship Print Reading *Credits - 4*
- APR 110D - Plumbing Apprenticeship Basic Installation *Credits - 4*
- APR 110E - Plumbing Apprenticeship Occupancy *Credits - 4*
- APR 110F - Plumbing Apprenticeship Advanced Waste System *Credits - 4*

Total Credits: 24

## **Electrician Apprenticeship Technologies\*Electrician Apprenticeship Technologies (SCC1)**

Industrial and Engineering Systems

(Limited-Entry Program-Journeyman's Card Required)

## Intended Program Outcomes:

- Complete a minimum of 6000 to 8000 hours State of Oregon-approved on-the-job training (OJT)
- Repair, install, and maintain a variety of building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations
- Seventy-five per cent of applicants have documented trade-specific skills listed on the Construction Trades, General Apprenticeship Outcomes Assessment Tool
- Complete required related training with a grade C or better

6000 Hour BOLI-ATD Trades: Limited Energy Technician-license A and Sign Maker/Fabricator.

8000 Hour BOLI-ATD Trades: Inside Electrician, Manufacturing Plant Electrician, Sign Assembler/Fabricator, Sign Maker/Erector and Stationary Engineer.

Title IV- Not eligible for Federal aid

## Program Curriculum

- Human Relations Course *Credits - 3*
- Inside Electrician Courses *Credits - 48*  
OR
- LMPE List *Credits - 48*
- CS 120 - Concepts of Computing *Credits - 4*  
OR
- BA 131 - Introduction to Business Computing *Credits - 4*  
OR
- MTH 070 - Elementary Algebra *Credits - 5*  
Or Higher
- WR 060 - Elements of the Essay *Credits - 4* (or higher)  
OR
- COM 100 - Human Communication *Credits - 4* (or higher)

Total Credits: 60

## Electrician Apprenticeship Technologies\*Limited Electrician Apprenticeship Technologies (SCPC)

Industrial and Engineering Systems

(Limited-Entry Program-Journeyman's Card Required)

## Intended Program Outcomes:

- Complete 4000 hours State of Oregon-approved on-the-job-training (OJT)
- Repair or install electrical wire devices according to limited licensure regulations to meet NEC and OSC code for limited energy technician-license B, limited maintenance electrician, limited renewable energy technician, and limited residential electrician

4000 Hour BOLI-ATD Trades: Limited Energy Technician-license B, Limited Maintenance Electrician, Limited Renewable Energy Technician, and Limited Residential Electrician.

Title IV- Not eligible for Federal aid

## Program Curriculum

- APR 115A - LME Apprenticeship Fundamentals *Credits - 4*
- APR 115B - LME Apprenticeship AC/DC Circuits *Credits - 4*
- APR 115C - LME Apprenticeship Blueprint Reading *Credits - 4*
- APR 215D - LME Apprenticeship Safety and Code *Credits - 4*
- APR 215E - LMPE Apprenticeship Motors and Controls *Credits - 4*
- APR 215F - LME Apprenticeship Code and Test Prep *Credits - 4*

Total Credits: 24

## **Electrician Apprenticeship Technologies\*Trade Worker Apprenticeship Technologies (SCPC)**

Industrial and Engineering Systems

### **Intended Program Outcomes:**

- Complete 6000-8000 hours State of Oregon-approved on-the-job-training. Apply theory to electrical wiring
- Repair & install electrical wire devices according to licensure regulations to meet NEC and OSC for Inside Electrician, Limited Energy Technician-License A, Limited Manufacturing Plant Electrician, Sign Assembler/Fabricator, Sign Maker/Erector, and Stationary Engineer

Title IV- Not eligible for Federal aid

## Program Curriculum

- APR 112A - Inside Electrical Apprenticeship Fundamentals *Credits - 4*
  - APR 112B - Inside Electrician Apprenticeship AC/DC Circuits *Credits - 4*
  - APR 112C - Inside Electrical Apprenticeship Measurement *Credits - 4*
  - APR 112D - Inside Electrical Apprenticeship Theory *Credits - 4*
  - APR 112E - Inside Electrical Apprenticeship Wiring and Print Reading *Credits - 4*
  - APR 112F - Inside Electrician Apprenticeship Installation *Credits - 4*
- OR
- APR 111A - LMPE Apprenticeship Fundamentals *Credits - 4*
  - APR 111B - LMPE Apprenticeship AC/DC Circuits *Credits - 4*
  - APR 111C - LMPE Apprenticeship Measurement *Credits - 4*
  - APR 111D - LMPE Apprenticeship Theory *Credits - 4*
  - APR 111E - LMPE Apprenticeship Wiring and Print Reading *Credits - 4*
  - APR 111F - LMPE Apprenticeship Installation *Credits - 4*

Total Credits: 24

## **Industrial Mechanics & Maintenance Technology Apprenticeship (SCC1)**

Industrial and Engineering Systems

**(Limited-Entry Program-Journeyman's Card Required)**

## Intended Program Outcomes:

- Complete a minimum of 4000 hours State of Oregon approved on-the job training (OJT)
- Repair, install and maintain a variety of industrial equipment using trade specific tools and techniques in compliance with state regulations
- Seventy-five percent of applicants have documented trade-specific skills listed on the Industrial Mechanics and Maintenance Technology Apprenticeship Trades Outcomes Assessment Tool
- Complete required related training with a grade C or better

4000-Hour BOLI-ATD Trades: Air Frame and Power Plant Technician, Boiler Operator and Programmable Logic Controller

Title IV- Not eligible for Federal aid

## Program Curriculum

- Industrial Maintenance Mechanic *Credits - 48*
- Human Relations *Credits - 3*
  
- WR 060 - Elements of the Essay *Credits - 4* (or higher)  
OR
- COM 100 - Human Communication *Credits - 4* (or higher)
  
- MTH 070 - Elementary Algebra *Credits - 5*  
Or Higher  
OR
- BA 131 - Introduction to Business Computing *Credits - 4*  
OR
- CS 120 - Concepts of Computing *Credits - 4*

Total Credits: 60

## Industrial Mechanics & Maintenance Technology Apprenticeship\*Trade Worker Apprenticeship Tech (SCPC)

Industrial and Engineering Systems

(Limited-Entry Program-Journeyman's Card Required)

## Intended Program Outcomes:

Intended Program Outcomes:

- Complete a minimum of 8000 hours State of Oregon approved on-the Job Training (OJT)
- Repair, install, and maintain a variety of industrial equipment using trade specific tools and techniques in compliance with state regulations

Title IV- Not eligible for Federal aid

## Program Curriculum

- APR 117A - IMM Apprenticeship Reading Blueprints and Schematics *Credits - 3*
- APR 117B - IMM Apprenticeship Industrial Math/Measurement *Credits - 3*
- APR 117C - IMM Apprenticeship Metals in the Plant *Credits - 1*



- APR 117D - IMM Apprenticeship Nonmetals in the Plant *Credits - 1*
- APR 117F - IMM Apprenticeship Portable Power Tools *Credits - 1*
- APR 117G - IMM Apprenticeship Industrial Safety and Health *Credits - 1*
- APR 117H - IMM Apprenticeship Troubleshooting Skills *Credits - 1*
- APR 117I - IMM App. Industrial Rigging Principles and Practices *Credits - 1*
- APR 117J - IMM Apprenticeship Equipment Installation *Credits - 1*
- APR 117K - IMM Apprenticeship Basic Mechanics *Credits - 1*
- APR 117L - IMM Apprenticeship Lubricants and Lubrication *Credits - 1*
- APR 117M - IMM Apprenticeship Power Transmission Equipment *Credits - 1*
- APR 117N - IMM Apprenticeship Bearings *Credits - 1*
- APR 117O - IMM Apprenticeship Pumps *Credits - 1*
- APR 117P - IMM Apprenticeship Piping Systems *Credits - 1*
- APR 117Q - IMM Apprenticeship Basic Hydraulics *Credits - 1*
- APR 117R - IMM Apprenticeship Hydraulic Troubleshooting *Credits - 1*
- APR 117S - IMM Apprenticeship Basic Pneumatics *Credits - 1*
- APR 117T - IMM Apprenticeship Pneumatic Troubleshooting *Credits - 1*
- APR 117U - IMM Apprenticeship Chemical Hazards *Credits - 1*
- APR 117V - IMM Apprenticeship Bulk Handling Conveyors *Credits - 1*

Total Credits: 26

## **Industrial Mechanics & Maintenance Technology Apprenticeship: Mechanical Maintenance Apprenticeship (SCC)**

Industrial and Engineering Systems

**(Limited-Entry Program-Journeyman's Card Required)**

### **Intended Program Outcomes:**

Complete 4000 hours State of Oregon-approved on-the-job-training (OJT)

- Repair or install electrical wire devices according to limited licensure regulations to meet NEC and OSC code for limited energy technician-license B, limited maintenance electrician, limited renewable energy technician, and limited residential electrician
- 4000 Hour BOLI-ATD Trades: Limited Energy Technician-license B, Limited Maintenance Electrician, Limited Renewable Energy Technician, and Limited Residential Electrician.

Title IV- Not eligible for Federal aid

### **Program Curriculum**

- APR 114A - PLC Apprenticeship Hardware/Number Systems *Credits - 4*
- APR 114B - PLC Apprenticeship Programming Fundamentals *Credits - 4*
- APR 114C - PLC Apprenticeship Timers, Counters, Controls *Credits - 4*
- APR 214D - PLC Apprenticeship Operation *Credits - 4*
- APR 214E - PLC Apprenticeship Troubleshooting *Credits - 4*
- APR 214F - PLC Apprenticeship Practical Applications *Credits - 4*

Total Credits: 24

# Business Administration

## Degree

### Accounting Technology (AAS)

Business and Management

### Intended Program Outcomes:

This two-year program leading to an A.A.S. degree in accounting offers students the opportunity to develop an advanced understanding of accounting principles. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Use of current computer technologies, especially spreadsheet and accounting software, to perform the duties within a business setting
- Balance and reconcile financial information to ensure accuracy of information
- Analyze financial data in order to understand it and to use the data to make decisions
- Use reconciliation processes when working with data to identify and correct errors
- Prepare professional financial statements and other reporting documents
- Preparation for licensure process within the state of Oregon to prepare tax returns
- Ability to effectively seek and respond to accounting-related opportunities for increased responsibilities and professional advancement
- Understand the various business functions as they contribute to the success of an organization

### Program Curriculum

#### Term 1

- BA 101 - Introduction to Business *Credits - 4*
- BA 131 - Introduction to Business Computing *Credits - 4*
- BA 211 - Principles of Accounting *Credits - 4*
- COM 111 - Public Speaking *Credits - 4*

Term 1 Total: 16

#### Term 2

- BA 212 - Principles of Accounting *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*
- BA 230 - Spreadsheets/MS Excel *Credits - 4*

Term 2 Total: 17

#### Term 3

- BA 213 - Principles of Accounting *Credits - 4*

- BA 226 - Business Law *Credits - 4*
- WR 121 - English Composition *Credits - 4*
- BA 233 - Accounting for Managers *Credits - 4*  
OR
- MTH 111 - College Algebra *Credits - 5 (or higher)*

Term 3 Total: 16

Term 4

Term 4 Total: 12

Term 5

- BA 155 - Introduction to Fraud Examination *Credits - 3*
- BA 177 - Payroll Accounting *Credits - 4*

Term 5 Total: 14

Term 6

- BA 206 - Principles of Management *Credits - 4*
- BA 209 - Accounting Applications/QuickBooks *Credits - 3*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- BA 285 - Human Relations in Business *Credits - 3*

Term 6 Total: 15

Total Credits: 90

## **Administrative Professional (AAS)**

Business and Management

### **Intended Program Outcomes:**

This program leading to an A.A.S. degree in administrative assistant offers students the opportunity to develop top-level office skills. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Use current and emerging word processing technologies to produce organizational documents and presentation materials
- Meet or exceed the current speed and accuracy requirements for typing and 10-key operation in the industry
- Individually and collaboratively manage multiple office tasks, prioritizing and reprioritizing in response to changing demands
- Assess the image that is expected of office personnel in a specific industry group; reflect those expectations in personal appearance, professional conduct and personal hygiene.
- Produce clear, concise and mechanically correct written documents
- Model effective customer service interactions
- Seek and respond to opportunities for increased responsibilities and professional advancement
- Understand office functions as they contribute to sound business practices and procedures

- Perform the general office procedures of filing, equipment operation, mail distribution, phone calls, and tasks requiring basic math calculations (such as inventory)

## Program Curriculum

### Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- BT 116 - Professional Office Procedures *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*
- LD 000 - Leadership Electives *Credits - 1*
- WR 121 - English Composition *Credits - 4*

Term 1 Total: 17

### Term 2

- BA 101 - Introduction to Business *Credits - 4*
- BT 201 - Word Processing/MS Word *Credits - 3*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5*

Term 2 Total: 16

### Term 3

- BT 140 - Business Document Editing *Credits - 3*
- COM 111 - Public Speaking *Credits - 4*
- BA 110 - Database/MS Access *Credits - 3*
- BA 230 - Spreadsheets/MS Excel *Credits - 4*

Term 3 Total: 14

### Term 4

- BA 214 - Business Communications *Credits - 4*
- BA 226 - Business Law *Credits - 4*
- HTM 226 - Event Management *Credits - 3*
- BA 111 - Basic Accounting *Credits - 4*  
OR
- BA 211 - Principles of Accounting *Credits - 4*

Term 4 Total: 15

### Term 5

- BA 224 - Human Resources Management *Credits - 3*

- BA 280 - Cooperative Work Experience *Credits - 1-8*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- HTM 131 - Customer Service Management I *Credits - 3*
- LD 000 - Leadership Electives *Credits - 2*

Term 5 Total: 13

Term 6

- BA 206 - Principles of Management *Credits - 4*
- BA 209 - Accounting Applications/QuickBooks *Credits - 3*
- BT 206 - Desktop Publishing *Credits - 3*
- BT 290 - Integrated Office Systems *Credits - 3*
- BA 277 - Business Ethics *Credits - 3*
- OR
- BA 285 - Human Relations in Business *Credits - 3*

Term 6 Total: 16

Total Credits: 91

## **Administrative Professional: Medical Option (AAS)**

Business and Management

Health Services

### **Intended Program Outcomes:**

This two-year program leading to an A.A.S. in administrative office assistant, medical option, provides students with the specialized skills necessary for employment as medical administrative assistants. Students will be effective in the workplace in the following areas:

- Use of appropriate medical terminology with written and oral accuracy
- Use of transcription equipment effectively to produce medical documents
- Office bookkeeping and general accounting tasks
- Effective use of database and spreadsheet software

### **Program Curriculum**

Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*
- BT 257 - Medical Office Procedures *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Term 1 Total: 16

Term 2

- BT 201 - Word Processing/MS Word *Credits - 3*
- BT 251 - Medical Terminology *Credits - 3*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*

Term 2 Total: 15

Term 3

- BA 230 - Spreadsheets/MS Excel *Credits - 4*
- BT 140 - Business Document Editing *Credits - 3*
- BT 252 - Medical Terminology *Credits - 3*
- BA 285 - Human Relations in Business *Credits - 3*
- BA 110 - Database/MS Access *Credits - 3*

Term 3 Total: 16

Term 4

- BA 214 - Business Communications *Credits - 4*
- BA 226 - Business Law *Credits - 4*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- BA 211 - Principles of Accounting *Credits - 4*  
OR
- BA 111 - Basic Accounting *Credits - 4*
- BT 256 - Electronic Health Records *Credits - 3*

Term 4 Total: 17

Term 5

- COM 111 - Public Speaking *Credits - 4*
- HTM 131 - Customer Service Management I *Credits - 3*
- LD 000 - Leadership Electives *Credits - 2*
- BA 280 - Cooperative Work Experience *Credits - 1-8*  
BA280 Credits -3
- BT 259 - Medical Billing and Coding *Credits - 4*

Term 5 Total: 16

Term 6

- BA 206 - Principles of Management *Credits - 4*
- BT 206 - Desktop Publishing *Credits - 3*
- BT 258 - Medical Insurance Procedures and Coding *Credits - 3*
- BT 290 - Integrated Office Systems *Credits - 3*

Term 6 Total: 13

Total Credits: 93

## **AST - Business**

### **Associate of Science Transfer - Business (AST-Bus)**

Students earning an AST-Bus degree from Blue Mountain Community College (BMCC) must successfully complete the following requirements along with additional requirements of the AST-Bus degree:

**Credits Required:** 93 Credits include only those that meet the requirements of this degree.

**Residency Requirement:** Students must successfully complete a minimum of 24 quarter hours at BMCC. Eighteen (18) of these credits must apply to this degree. Non-traditional credit, credit transferred from another institution, or challenge credit cannot be used to meet the 24 quarter credit hour or 18 quarter credit hour requirement.

**Minimum Grade:** All courses must be completed with a grade of "C" or better.

**COURSE REQUIREMENTS:** See Programs and Courses Section for courses that meet these requirements.

#### *Foundational Requirements:*

- Writing: WR 121 and WR 227 for a total of eight credits of writing. Information literacy will be included in the writing requirement.
- Oral Communication: COM 111.
- Mathematics: MTH 243 and one course for which MTH095 is a prerequisite.
- Computer Applications: BA 131 and BA 230.

#### *Discipline Studies:*

- Arts and Letters: COM 115 and two courses chosen from two or more disciplines. COM 115 meets the cultural literacy requirement.
- Social Sciences: EC 201, EC 202, and two courses chosen from two or more disciplines.
- Science: Three lab science courses from at least two disciplines.
- Cultural Literacy: COM 115, as mentioned above under Arts and Letters.

#### *Business Courses:*

Students must complete the following courses:

- BA 101, BA 131, BA 211, BA 213, BA 206, BA 226, BA 230, and BA 277.

#### *Electives:*

Any college-level course 100 level or higher that would bring total credits to 93 credits. See notes below.

#### **Note:**

- Maximum Number of Credits for Prior Learning (CPL): 22 credits of CPL may be applied to the degree.

## **Business Administration (AAS)**

## Intended Program Outcomes:

This two-year A.A.S. degree program will prepare the student to either transfer to an Oregon University System institution on a course-by-course basis or to be effective in the workplace in the following areas:

- Establish and promote a collaborative work environment where all voices are heard and valued as they contribute to shared goal
- Work within the ethical, legal, and regulatory parameters of the industry
- Calculate, compile and analyze financial records to make practical business decisions
- Attract, screen, hire, train, and supervise personnel
- Select and integrate appropriate current and emerging technologies to support business functions
- Use verbal, non-verbal and written communication skills effectively in the business context
- Interact effectively with clients and customers
- Use critical thinking skills to solve business problems
- Exhibit work behaviors that maximize opportunity for continued employment, increased responsibilities and business success
- Lead a work unit in a direction that aligns with stated organizational vision, mission and values.

## Program Curriculum

### Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- BA 211 - Principles of Accounting *Credits - 4*  
OR
- BA 111 - Basic Accounting *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Term 1 Total: 16

### Term 2

- BA 101 - Introduction to Business *Credits - 4*
- BA 212 - Principles of Accounting *Credits - 4*
- HTM 131 - Customer Service Management I *Credits - 3*  
LD 000 - Leadership Electives *Credits - 1*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*

Term 2 Total: 16

### Term 3

- BA 110 - Database/MS Access *Credits - 3*
- BA 230 - Spreadsheets/MS Excel *Credits - 4*
- BA 233 - Accounting for Managers *Credits - 4*  
OR
- MTH 111 - College Algebra *Credits - 5 (or higher)*



- BA 213 - Principles of Accounting *Credits - 4*
- LD 000 - Leadership Electives *Credit - 1*

Term 3 Total: 16

Term 4

- BA 214 - Business Communications *Credits - 4*
- BA 226 - Business Law *Credits - 4*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- COM 111 - Public Speaking *Credits - 4*
- LD 000 - Leadership Electives *Credits - 1*

Term 4 Total: 15

Term 5

- BA 155 - Introduction to Fraud Examination *Credits - 3*
- BA 223 - Principles of Marketing *Credits - 4*
- BA 224 - Human Resources Management *Credits - 3*
- BT 201 - Word Processing/MS Word *Credits - 3*
  
- BA 177 - Payroll Accounting *Credits - 4*  
OR

Term 5 Total: 17

Term 6

- BA 206 - Principles of Management *Credits - 4*
- BA 249 - Retail Selling *Credits - 3*
- LD 000 - Leadership Electives *Credits - 2*
- BA 277 - Business Ethics *Credits - 3*  
OR
- BA 285 - Human Relations in Business *Credits - 3*

Term 6 Total: 12

Total Credits: 92

## **Hospitality & Tourism Management (AAS)**

Business and Management

### **Intended Program Outcomes:**

This two-year program will prepare the student either to transfer to an Oregon University System institution on a course-by-course basis, or be effective in a career as manager in the hospitality and tourism industries by having the requisite knowledge in the following areas:

- Identify, understand and apply market-appropriate professional guest service standards to deliver competitive guest experiences to diverse cultural groups
- Identify specific hospitality industry functions and their required procedures and legal techniques
- Identify techniques for successfully managing human resources and human relations in business
- Analyze financial statements, isolate potential problems, and identify appropriate corrective action to control and manage the critical revenue and cost centers
- Demonstrate the ability to solve mathematical problems commonly encountered in hospitality related business setting
- Utilize the technical/computer skills for keeping business records and preparing financial statements
- Develop skills for human relations activities for day-to-day business operation
- Write effective routine, routing, and persuasive styles of written communication
- Employ effective verbal communications in a variety of settings
- Develop skills for social/professional aspects of conducting business with individuals and groups
- Prepare marketing and financial documents for marketing of business

## Program Curriculum

### Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- HTM 105 - Food and Beverage Industry *Credits - 3*
- HTM 100 - Hospitality and Tourism Industry *Credits - 3*  
OR
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5*
- LD 000 - Leadership Electives *Credits - 1*

Term 1 Total: 15

### Term 2

- BA 230 - Spreadsheets/MS Excel *Credits - 4*
- HTM 131 - Customer Service Management I *Credits - 3*
- SOC 204 - General Sociology: Sociology in Everyday Life *Credits - 4*  
OR
- SOC 205 - General Sociology/Institutions and Social Change *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Term 2 Total: 18

### Term 3

- BA 280 - Cooperative Work Experience *Credits - 1-8*  
CWE - Credits - 2
- HTM 130 - Beverages *Credits - 3*
- BA 249 - Retail Selling *Credits - 3*
- GEOG 206 - Geography of Oregon *Credits - 4*  
OR
- GEOG 120 - World/Regional Geography *Credits - 4*

Term 3 Total: 15

## Term 4

- BA 211 - Principles of Accounting *Credits - 4*  
OR
- BA 111 - Basic Accounting *Credits - 4*
- COM 111 - Public Speaking *Credits - 4*
- HTM 224 - Catering Operations *Credits - 3*
- HTM 226 - Event Management *Credits - 3*
- LD 000 - Leadership Electives *Credits - 1*

Term 4 Total: 15

## Term 5

- BA 223 - Principles of Marketing *Credits - 4*
- BA 280 - Cooperative Work Experience *Credits - 1-8*  
CWE - Credits - 2
- BA 284 - Pre-Employment Seminar *Credits - 2*
- COM 115 - Intercultural Communication *Credits - 4*
- WR 227 - Technical Report Writing *Credits - 4*

Term 5 Total: 16

## Term 6

- BA 206 - Principles of Management *Credits - 4*
- BA 233 - Accounting for Managers *Credits - 4*
- BA 277 - Business Ethics *Credits - 3*  
OR
- BA 285 - Human Relations in Business *Credits - 3*

Term 6 Total: 14

Total Credits: 94

## Certificate

### **Accounting Technology: Accounting Technician (CC1)**

Business and Management

### **Intended Program Outcomes:**

This one-year program leading to a certificate in accounting offers students the opportunity to develop a foundational understanding of accounting principles with an emphasis in applying that understanding to bookkeeping tasks. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Use current computer technologies, especially spreadsheet and accounting software, to perform the duties within an accounting department
- Balance and reconcile financial information to ensure accuracy of information

- Use reconciliation processes when working with data to identify and correct errors
- Prepare professional financial statements and other reporting documents
- Model effective customer-service interactions
- Ability to effectively seek and respond to accounting-related opportunities for increased responsibilities and professional advancement
- Understand various business functions as they contribute to the success of an organization

Employment possibilities include bookkeeper, accounting clerk and payroll clerk. Jobs are available in business, industry, government agencies, service industries and banks.

## Program Curriculum

### Term 1

- BA 101 - Introduction to Business *Credits - 4*
- BA 131 - Introduction to Business Computing *Credits - 4*
- BA 211 - Principles of Accounting *Credits - 4*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5* (or higher)

Term 1 Total: 16

### Term 2

- BA 212 - Principles of Accounting *Credits - 4*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- BA 233 - Accounting for Managers *Credits - 4*  
OR
- MTH 111 - College Algebra *Credits - 5*
- BA 230 - Spreadsheets/MS Excel *Credits - 4*

Term 2 Total: 15

### Term 3

- BA 209 - Accounting Applications/QuickBooks *Credits - 3*
- BA 213 - Principles of Accounting *Credits - 4*
- BA 285 - Human Relations in Business *Credits - 3*
- COM 111 - Public Speaking *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Term 3 Total: 18

Total Credits: 49

## **Administrative Professional: Medical Office Assistant (CC)**

Business and Management

Health Services

## Intended Program Outcomes:

This one-year certificate program is designed to provide specialized training and skills for entry-level positions as receptionists and/or records clerks in medical offices. Emphasis is placed on the study of general office skills as well as medical office theories and policies, including practical experience on current equipment and software. The course work lays the foundation for a two-year A.A.S. degree program for those students who want to continue their education.

- Use current and emerging word processing technologies to produce documents
- Meet or exceed the current speed and accuracy requirements for typing and 10-key operation in the industry
- Model effective customer service interactions
- Perform the general office procedures of filing, equipment operation, mail distribution, phone calls, and tasks requiring basic math calculations
- Use appropriate medical terminology with written and oral accuracy

## Program Curriculum

### Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*
- BT 251 - Medical Terminology *Credits - 3*
- BT 257 - Medical Office Procedures *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Term 1 Total: 19

### Term 2

- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*
- BT 201 - Word Processing/MS Word *Credits - 3*  
OR
- BT 206 - Desktop Publishing *Credits - 3*
- BT 252 - Medical Terminology *Credits - 3*

Term 2 Total: 15

### Term 3

- BA 230 - Spreadsheets/MS Excel *Credits - 4*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- BT 140 - Business Document Editing *Credits - 3*
- BA 285 - Human Relations in Business *Credits - 3*
- HTM 131 - Customer Service Management I *Credits - 3*

Term 3 Total: 15

Total Credits: 49

# Administrative Professional: Office Assistant (CC)

Business and Management

## Intended Program Outcomes:

This one-year certificate program is designed to provide specialized training and skills for work as an office assistant. Emphasis is placed on the study of general office skills, including practical experience on current equipment and software. The course work lays the foundation for a two-year A.A.S. degree program for those students who want to continue their education. Students will be effective in the workplace in the following areas:

- Use current and emerging word-processing technologies to produce documents
- Meet or exceed the current speed and accuracy requirements for typing and 10-key operation in the industry
- Model effective customer service interactions
- Perform the general office procedures of filing, equipment operation, mail distribution, phone calls, and tasks requiring basic math calculations

## Program Curriculum

### Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- BT 116 - Professional Office Procedures *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*
- LD 000 - Leadership Electives *Credits - 1*
- WR 121 - English Composition *Credits - 4* (or higher)

Term 1 Total: 17

### Term 2

- BA 101 - Introduction to Business *Credits - 4*
- BT 206 - Desktop Publishing *Credits - 3*  
OR
- BT 201 - Word Processing/MS Word *Credits - 3*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5* (or higher)

Term 2 Total: 16

### Term 3

- BA 230 - Spreadsheets/MS Excel *Credits - 4*
- BT 140 - Business Document Editing *Credits - 3*
- COM 111 - Public Speaking *Credits - 4*
- BA 277 - Business Ethics *Credits - 3*  
OR

- BA 285 - Human Relations in Business *Credits - 3*

Term 3 Total: 14

Total Credits: 47

## **Administrative Professional: Office Support Specialist (CPCC)**

Business and Management

### **Intended Program Outcomes:**

This program leads to a career pathways certificate of completion in administrative office professional office support specialist offering students the opportunity to develop entry-level office skills.

- Learning experiences in this program are designed to assist the student in realizing the following outcomes:
- Demonstrates the ability to solve problems in a business environment
- Understand and perform the general office functions.
- Perform various basic math calculations required in an office/business environment
- Discuss the professional image that is expected of office personnel
- Develop awareness for ethical and/or human relation standards in the workplace
- Produce clear, concise and mechanically-correct documents
- Meet or exceed the current speed and accuracy requirements for document processing
- Demonstrate the ability to use appropriate technology (word processing, spreadsheet, database and presentation software) in the business environment

Title IV- Not eligible for Federal aid

### **Program Curriculum**

#### **Term 1**

- BA 131 - Introduction to Business Computing *Credits - 4*
- BT 116 - Professional Office Procedures *Credits - 4*
- BT 121 - Document Processing I *Credits - 4*

Term 1 Total: 12

#### **Term 2**

- BT 201 - Word Processing/MS Word *Credits - 3*  
OR
- BT 206 - Desktop Publishing *Credits - 3*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*

Term 2 Total: 7

#### **Term 3**

- BT 140 - Business Document Editing *Credits - 3*
- BA 285 - Human Relations in Business *Credits - 3*  
OR
- BA 277 - Business Ethics *Credits - 3*
- BA 230 - Spreadsheets/MS Excel *Credits - 4*

Term 3 Total: 10

Total Credits: 29

## **Hospitality and Tourism (CC)**

Business and Management

Human Resources

### **Intended Program Outcomes:**

This one-year program introduces students to the field of the hospitality industry, including tourism, travel, and management. Online and classroom instruction and cooperative work experience offer students a look into the day-to-day experiences at hospitality and tourism sites. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Identify specific hospitality industry functions and their required procedures and legal techniques
- Understand and apply market-appropriate professional guest service standards to deliver competitive guest experiences to diverse cultural groups and throughout business and industry
- Identify general business functions to maintain day-to-day operations
- Demonstrate the ability to solve mathematical problems commonly encountered in hospitality-related business setting
- Utilize the technical/computer skills for keeping business records and preparing basic financial statements
- Identify techniques for successfully managing human resources and human relations in business
- Utilize various techniques for effect verbal and written communications
- Prepare general documents related to career searches and job applications.

This certificate helps prepare students for entry-level positions in management and helps students develop the professionalism necessary for business success and upward mobility in the hospitality and tourism industry.

### **Program Curriculum**

#### **Term 1**

- BA 131 - Introduction to Business Computing *Credits - 4*
- HTM 100 - Hospitality and Tourism Industry *Credits - 3*
- HTM 105 - Food and Beverage Industry *Credits - 3*
- HTM 224 - Catering Operations *Credits - 3*
- HTM 226 - Event Management *Credits - 3*

Term 1 Total: 16

#### **Term 2**

- BA 230 - Spreadsheets/MS Excel *Credits - 4*
- HTM 131 - Customer Service Management I *Credits - 3*



- WR 121 - English Composition *Credits - 4*
- BA 104 - Business Mathematics *Credits - 4*  
OR
- MTH 095 - Intermediate Algebra *Credits - 5 (or higher)*  
LD 000 - Leadership Electives *Credits - 2*

Term 2 Total: 17

### Term 3

- BA 249 - Retail Selling *Credits - 3*
- BA 280 - Cooperative Work Experience *Credits - 1-8*  
CWE - *Credits - 3*
- COM 111 - Public Speaking *Credits - 4*
- BA 285 - Human Relations in Business *Credits - 3*  
OR
- BA 277 - Business Ethics *Credits - 3*

Term 3 Total: 16

Total Credits: 49

## **Retail Management Certificate (SCC)**

Business and Management

Human Resources

### **Intended Program Outcomes:**

This less-than-one-year certificate program is for current retail employees and for students who would like to become retail employees. This program is recognized by WAFC retail employers and identifies skills that lead to professional growth, hiring, and advancement opportunities. The program prepares the student for retail sales and management responsibilities; those who complete the program may be given preference in hiring, may be eligible for promotions, and may receive compensation to recognize their educational achievement. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Define the different types of retail outlets and related principles for successful businesses
- Illustrate unique, competitive marketing strategies for retailers including advertising, public relations, and sales promotion packages
- Demonstrate the ability to use the computer and information services for business-related activities
- Understand the principles and methods for human resource/human relations management
- Demonstrate the ability to solve mathematical problems commonly encountered in hospitality-related business settings
- Utilize the technical skills for keeping business records and preparing financial statements
- Write effective routine, routing, and persuasive styles of written communication
- Employ successful verbal communication in a variety of settings

Western Association of Food Chains WAFC

Title IV- Not eligible for Federal aid

### **Program Curriculum**

## Term 1

- BA 131 - Introduction to Business Computing *Credits - 4*
- BA 214 - Business Communications *Credits - 4*

Term 1 Total: 8

## Term 2

- BA 223 - Principles of Marketing *Credits - 4*
- BA 224 - Human Resources Management *Credits - 3*

Term 2 Total: 7

## Term 3

- BA 206 - Principles of Management *Credits - 4*
- BA 249 - Retail Selling *Credits - 3*
- BA 285 - Human Relations in Business *Credits - 3*
- BA 233 - Accounting for Managers *Credits - 4*

Term 3 Total: 14

Total Credits: 29

# Criminal Justice

## Degree

### Criminal Justice (AAS)

Human Resources

## Intended Program Outcomes:

The coursework for this two-year program is designed to provide students with the knowledge and skills necessary for entry-level employment in the areas of law enforcement, courts, and adult or juvenile corrections. The competition for jobs in the field of criminal justice is intense; a college education is almost always a minimum requirement for the application process. The degree utilizes an interdisciplinary approach, including criminological, sociological, and psychological coursework. The learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Identify historical and philosophical evolution of theories explaining criminal and delinquent behavior
- Identify the historical and philosophical evolution of law enforcement, courts, and correctional systems in the American criminal justice system
- Describe and relate the constitutional rights and responsibilities of citizens, offenders, and victims as they apply to state, federal and procedural laws.
- Identify the characteristics of professional integrity and ethical standards for criminal justice professionals
- Understand the legal responsibilities of criminal justice professionals as they relate to cultural diversity and establishing positive community relations

- Demonstrate competence in core skill areas and in written and oral communication, problem-solving, and critical thinking

## Program Curriculum

### Term 1

- CJ 100 - Introduction to Criminal Justice *Credits - 3*
- CJ 109 - Careers in Criminal Justice *Credits - 3*
- WR 121 - English Composition *Credits - 4*
  
- BA 104 - Business Mathematics *Credits - 4* (or higher)  
OR
- MTH 095 - Intermediate Algebra *Credits - 5* (or higher)

Term 1 Total: 14

### Term 2

- CJ 110 - Police Systems and Practices *Credits - 3*
- CJ 120 - American Court Systems and Practices *Credits - 3*
  
- GS 111 - Physical Science/Forensic Science *Credits - 4*  
OR
- Science with Laboratory Courses *Credits - 4*
  
- WR 227 - Technical Report Writing *Credits - 4*  
OR
- WR 122 - English Composition *Credits - 4*

Term 2 Total: 14

### Term 3

- CJ 132 - Probation and Parole: Systems and Practices *Credits - 3*
- COM 111 - Public Speaking *Credits - 4* (or higher)
- CJ 130 - Correctional Systems and Practices *Credits - 3*
- ANTH 103 - Introduction to Cultural Anthropology *Credits - 4*
- CS 120 - Concepts of Computing *Credits - 4*

Term 3 Total: 18

### Term 4

- PSY 201 - General Psychology *Credits - 4*
- SOC 204 - General Sociology: Sociology in Everyday Life *Credits - 4*
- CJ 200 - Theories of Crime and Delinquency *Credits - 3*
- CJ 220 - Criminal Law *Credits - 3*

Term 4 Total: 14

## Term 5

- CJ 201 - Juvenile Justice *Credits - 3*
- SOC 205 - General Sociology/Institutions and Social Change *Credits - 4*
- CJ 212 - Criminal Investigation *Credits - 3*
- PSY 202 - General Psychology *Credits - 4*
- CJ Electives *Credits - 3*  
OR
- CJ 280 - Cooperative Work Experience *Credits - 1-8*

Term 5 Total: 17

## Term 6

- SOC 213 - Minorities *Credits - 4*
- CJ 214 - Criminal Justice Report Writing *Credits - 3*
- CJ 227 - Ethics in Criminal Justice *Credits - 3*
- CJ 222 - Procedural Law *Credits - 3*

Term 6 Total: 13

Total Credits: 90

## Certificate

### Criminal Justice: Corrections (CPCC)

Human Resources

### Intended Program Outcomes:

This less than one-year program leading to a career pathways certificate of completion in law enforcement offers the student an opportunity to develop a foundational understanding of law enforcement, criminal investigation, criminology, and how the criminal justice system functions as a whole. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Identify historical and philosophical evolution of theories explaining criminal and delinquent behavior.
- Identify the historical and philosophical evolution of law enforcement, courts, and correctional systems in the American criminal justice system.
- Describe and relate the constitutional rights and responsibilities of citizens, offenders, and victims as they apply to state, federal and procedural laws.
- Identify the characteristics of professional integrity and ethical standards for criminal justice professionals.
- Understand the legal responsibilities of law enforcement professionals as they relate to cultural diversity and establishing positive community relations.
- Demonstrate competence in core skill areas and in written and oral communication, problem-solving, and critical thinking.

Employment opportunities include correctional officer, work release counselor, and corrections technician in private, local, state, or federal agencies.

Title IV- Not eligible for Federal aid

## Program Curriculum

- CJ 222 - Procedural Law *Credits - 3*
  - CJ 200 - Theories of Crime and Delinquency *Credits - 3*
  - CJ 100 - Introduction to Criminal Justice *Credits - 3*
  - WR 121 - English Composition *Credits - 4*
  - CJ 214 - Criminal Justice Report Writing *Credits - 3*
  - CJ 227 - Ethics in Criminal Justice *Credits - 3*
  - CJ 212 - Criminal Investigation *Credits - 3*
  - CJ 130 - Correctional Systems and Practices *Credits - 3*
  - COM 111 - Public Speaking *Credits - 4*
- 
- CJ 232 - Correctional Casework Counseling *Credits - 3*  
OR
  - CJ 132 - Probation and Parole: Systems and Practices *Credits - 3*

Total Credits: 32

## **Criminal Justice: Court Technician (CPCC)**

Human Resources

### **Intended Program Outcomes:**

This less than one-year program leading to a career pathways certificate of completion in court technician offers the student an opportunity to develop a foundational understanding of working in a legal and criminal justice setting. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Identify historical and philosophical evolution of theories explaining criminal and delinquent behavior
- Identify the historical and philosophical evolution of law enforcement, courts, and correctional systems in the American criminal justice system
- Describe and relate the constitutional rights and responsibilities of citizens, offenders, and victims as they apply to state, federal and procedural laws
- Identify the characteristics of professional integrity and ethical standards for criminal justice professionals
- Demonstrate competence in core skill areas and in written and oral communication, problem-solving, and critical thinking
- Use of appropriate legal terminology with written and oral accuracy
- Ability to effectively use the computer to find information and create documents

Successful completion of this certificate program will provide students with the skills and knowledge needed to qualify for an entry-level position in a local or state judicial system, private legal offices, and various criminal justice agencies.

Title IV- Not eligible for Federal aid

### **Program Curriculum**

- CJ 100 - Introduction to Criminal Justice *Credits - 3*
- CJ 120 - American Court Systems and Practices *Credits - 3*
- CJ 200 - Theories of Crime and Delinquency *Credits - 3*
- CJ 222 - Procedural Law *Credits - 3*
- CJ 227 - Ethics in Criminal Justice *Credits - 3*
- COM 111 - Public Speaking *Credits - 4* (or higher)
- WR 121 - English Composition *Credits - 4* (or higher)
- CS 120 - Concepts of Computing *Credits - 4*

Total Credits: 33

## **Criminal Justice: Law Enforcement (CPCC)**

Human Resources

### **Intended Program Outcomes:**

This less than one-year program leading to a career pathways certificate of completion in law enforcement offers the student an opportunity to develop a foundational understanding of law enforcement, criminal investigation, criminology, and how the criminal justice system functions as a whole. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Identify historical and philosophical evolution of theories explaining criminal and delinquent behavior.
- Identify the historical and philosophical evolution of law enforcement, courts, and correctional systems in the American criminal justice system.
- Describe and relate the constitutional rights and responsibilities of citizens, offenders, and victims as they apply to state, federal and procedural laws.
- Identify the characteristics of professional integrity and ethical standards for criminal justice professionals.
- Understand the legal responsibilities of law enforcement professionals as they relate to cultural diversity and establishing positive community relations.
- Demonstrate competence in core skill areas and in written and oral communication, problem-solving, and critical thinking.

Successful completion of this certificate program will provide students with the skills and knowledge needed to qualify for an entry-level position in private, local, state, or federal agencies or as a loss prevention specialist. Many departments require college course work or degrees in addition to civil service requirements, including a background investigation.

Title IV- Not eligible for Federal aid

### **Program Curriculum**

- CJ 100 - Introduction to Criminal Justice *Credits - 3*
- CJ 110 - Police Systems and Practices *Credits - 3*
- CJ 200 - Theories of Crime and Delinquency *Credits - 3*
- CJ 212 - Criminal Investigation *Credits - 3*
- CJ 214 - Criminal Justice Report Writing *Credits - 3*
- CJ 220 - Criminal Law *Credits - 3*
- CJ 222 - Procedural Law *Credits - 3*
- CJ 227 - Ethics in Criminal Justice *Credits - 3*
- COM 111 - Public Speaking *Credits - 4*
- WR 121 - English Composition *Credits - 4*

Total Credits: 32

## **Data Center Technician**

### **Other Programs**

## **Data Center Technician (CC)**

Arts Communication & Information

**(Limited-Entry Program)**

## **Intended Program Outcomes:**

Today's data centers contain tens of thousands or even hundreds of thousands of computer servers linked by powerful networks. A data center technician installs, maintains, and repairs a data center's computer and network systems. Students completing this one-year certificate are fully prepared for employment in this rapidly-growing industry.

Students entering this program will start summer term and end winter term. Computer science (CS) coursework take prior to summer 2015 will not count toward this degree. Transfer credit is subject to department approval. All courses must be completed with a grade of C or better.

### **Program Curriculum**

#### **Term 1**

- COM 100 - Human Communication *Credits - 4*
- CS 109 - Academic Planning for Data Center Tech *Credits - 1*
- CS 145 - Introduction to PC Hardware and Software *Credits - 5*
- CS 179A - Introduction to Networking I *Credits - 2*
- CS 180 - Computer Science Practicum *Credits - 1-5*

**Term 1 Total: 16**

#### **Term 2**

- CS 140L - Introduction to Linux Administration I *Credits - 3*
- CS 179B - Introduction to Networking II *Credits - 3*
- CS 180 - Computer Science Practicum *Credits - 1-5*
- CS 279 - Network Management II *Credits - 5*

**Term 2 Total: 16**

#### **Term 3**

- CS 240L - Introduction to Linux Systems Administration *Credits - 3*
- CS 280 - Cooperative Work Experience *Credits - 1-8*
- CS 282 - Computer Science Colloquium *Credits - 3*

**Term 3 Total: 14**

**Total Credits:46**

## **Dental Assisting**

## **Diesel Technology**

## **Degree**

## **Diesel Technician (AAS)**

## Intended Program Outcomes:

This two-year A.A.S. degree will prepare graduates with the necessary skills and knowledge to enter the diesel technology field with the following capabilities:

- Service, diagnose and repair diesel engines
- Service and repair suspension and steering
- Service and replace brakes
- Diagnose and repair electrical/electronic systems
- Safe shop practices
- Written and oral communication skills in dealing with customer service and report writing
- Ability to use math in problem solving
- Ability to effectively use the computer to find information, create documents and send correspondence
- Understand and service basic hydraulic systems
- Ability to perform basic arc and oxy-acetylene welding

This program is designed to prepare graduates to meet job entry requirements for a variety of jobs in the field. The curriculum provides classroom work and practical experience in the lab. In addition to the heavy truck focus, this program offers training in agricultural and heavy equipment. **Diesel and welding required courses must be completed with a C or better.** Students must begin this program Fall term.

## Program Curriculum

### Term 1

- BT 120 - Computer Keyboarding *Credits - 2 (or higher)*
- DSL 141 - Heavy Duty Steering and Suspension *Credits - 4*
- DSL 181 - Shop Practices *Credits - 3*
- DSL 191 - Electrical Systems I *Credits - 4*
- WLD 111 - Basic Gas and Arc Welding *Credits - 3*

Term 1 Total: 16

### Term 2

- DSL 152 - Manual Drive Trains I *Credits - 3*
- DSL 161 - Diesel Engines *Credits - 4*
- DSL 192 - Electrical Systems II *Credits - 4*
- MTH 042 - Technical Mathematics *Credits - 4 (or higher)*

Term 2 Total: 15

### Term 3

- DSL 151 - Heavy Duty Brakes I *Credits - 3*
  - DSL 153 - Manual Drive Trains II *Credits - 3*
  - DSL 162 - Engine Repair I *Credits - 4*
  - DSL 193 - Electrical Systems III *Credits - 4*
  
  - BA 131 - Introduction to Business Computing *Credits - 4*
- OR



- CS 120 - Concepts of Computing *Credits - 4*

Term 3 Total: 18

Term 4

- DSL 184 - Fluid Mechanics *Credits - 4*
- DSL 251 - Heavy Duty Brakes II *Credits - 3*
- DSL 262 - Engine Repair II *Credits - 4*
- WR 099 - Writing Workshop *Credits - 1 (or higher)*

Term 4 Total: 14

Term 5

- COM 100 - Human Communication *Credits - 4*
- DSL 175 - Heavy Duty Equipment *Credits - 3*
- DSL 196 - Electronic Diagnostics and Engine Emissions *Credits - 3*
- DSL 263 - Advanced Engine Technology *Credits - 4*
- DSL 280 - Cooperative Work Experience *Credits - 1-8*

Term 5 Total: 17

Term 6

- DSL 176 - Mobile Air-Conditioning and Heating *Credits - 3*
- DSL 200 - Pre-Employment Seminar *Credits - 1*
- DSL 275 - Heavy Duty Equipment II *Credits - 3*
- DSL 280 - Cooperative Work Experience *Credits - 1-8*
- Human Relations Elective *Credits - 3*

Term 6 Total: 13

Total Credits: 93

## **Certificate**

### **Diesel Technician: Diesel Technician's Assistant (CPCC)**

Industrial and Engineering Systems

### **Intended Program Outcomes:**

- Learn to explain and demonstrate safe and efficient shop practices; types and use of personal protective equipment, and proper use of shop tools and equipment. Complete forklift training and obtain certificate
- Learn basic electrical theory, principles of electrical circuitry, component construction and operation, and the use of a digital multi-meter
- Diagnose and repair steering and suspension systems, and perform steering, suspension, and chassis alignment
- Understand the design, construction, and operation of the oil fueled, compression ignition engine

- Understand the principles of operation of power train components and application of clutches, drive shafts, manual transmissions, and differential drive axles
- Understand the principles of operation of compressed air systems and air brake components. Study electric, hydraulic, and mechanical braking system operation
- Practice the use of oxyacetylene and AC/DC electric welding equipment to develop skills in brazing, welding, and cutting of various types of material
- Develop basic typing and keyboarding skills

Title IV- Not eligible for Federal aid

## Program Curriculum

- WLD 111 - Basic Gas and Arc Welding *Credits - 3*
- DSL 152 - Manual Drive Trains I *Credits - 3*
- DSL 161 - Diesel Engines *Credits - 4*
- DSL 191 - Electrical Systems I *Credits - 4*
- DSL 181 - Shop Practices *Credits - 3*
- DSL 151 - Heavy Duty Brakes I *Credits - 3*
- DSL 141 - Heavy Duty Steering and Suspension *Credits - 4*
- BT 120 - Computer Keyboarding *Credits - 2 (or higher)*

Total Credits: 26

## Early Childhood Education

### Degree

### Early Childhood Education (AAS)

Human Resources

### Intended Program Outcomes:

This two-year A.A.S. degree program in early childhood education (ECE) will prepare students to work with young children from birth through eight years of age using research-based practices in a variety of settings including child care centers, family child care settings, preschools, Head Start programs, school age programs, special education, and home visiting and parent education programs. This program will prepare students with the requisite knowledge and skills in the following areas:

- Demonstrate knowledge of child development in a socio-cultural context
- Practice ethical and legal standards, as well as professional attitudes and behavior(moved outcome up to match Bloom's order)
- Apply developmentally appropriate practices (DAP) to meet the needs of diverse populations
- Apply best practices
- Apply observation and assessment to learning and development

This degree is based on the Guidelines for Preparation of Early Childhood Professionals from the National Association for the Education of Young Children (NAEYC), which qualifies the student to become, among other professional roles, a lead teacher in a child care facility licensed by the Oregon Office of Child Care, a teacher in a Head Start program, and a home visitor in the human services field. Some courses in the program may not transfer to other institutions. Students intending to transfer must seek advisor assistance prior to and throughout their BMCC educational experience.

### Term 1

- ECE 101 - Family and Community Relations *Credits - 3*

- ECE 109 - Foundations and Careers in Early Childhood *Credits - 3*
- ECE 111 - Introduction to ECE Environments *Credits - 3*
- WR 115 - Introduction to College Writing *Credits - 4*  
AAOT Electives Credits - 3  
(or) CTE Electives - 3

Term 1 Total: 16

Term 2

- ECE 100 - Developmentally Appropriate Practice in Early Childhood Ed *Credits - 3*
- ECE 152 - Creativity for Young Children *Credits - 3*  
OR
- ECE 153 - Music and Movement *Credits - 3*
- ECE 226 - Child Development *Credits - 3*
- MTH 062 - Quantitative Literacy I *Credits - 4*  
(or higher)

Term 2 Total: 16

Term 3

- COM 100 - Human Communication *Credits - 4*
- ECE 151 - Guidance and Classroom Management *Credits - 3*
- ECE 175A - Infant/Toddler Caregiving: Social Emotional Growth *Credits - 1*
- ECE 175B - Infant/Toddler Caregiving: Group Care *Credits - 1*
- ECE 280 - Cooperative Work Experience *Credits - 1-8*  
Social Science Electives *Credits - 4*

Term 3 Total: 15

Term 4

- ECE 175C - Infant/Toddler Caregiving: Learning and Development *Credits - 1*
- ECE 175D - Infant/Toddler Caregiving: Culture, Family and Provider *Credits - 1*
- ECE 154 - Literature and Literacy *Credits - 3*
- ECE 225 - Prenatal, Infant and Toddler Development *Credits - 3*  
Social Science Elective Credits - 4  
CTE Electives Credits - 4  
(or) AAOT Electives - 4

Term 4 Total: 16

Term 5

- ECE 240 - Curriculum/Planning *Credits - 3*
- ECE 249 - Inclusion of Children with Special Needs *Credits - 3*
- ECE 280 - Cooperative Work Experience *Credits - 1-8*
- ECE 295 - Child Care Administration *Credits - 3*  
AAOT Electives Credits - 6

(or) CTE Electives Credits - 6

Term 5 Total: 16

Term 6

- ECE 150 - Observation/Assessment and Recording *Credits - 3*
  - ECE 220 - Science and Nature with Young Children *Credits - 3*
  - ECE 228 - Responsive Infant Toddler Programs *Credits - 3*
  - ECE 245 - Challenging Behavior in Young Children *Credits - 3*
- CTE Electives Credits - 4  
(or) AAOT Electives - 4

Term 6 Total: 16

Total Credits: 92

Note:

The student is required to complete a criminal history check prior to enrollment in ECE 280 - Cooperative Work Experience (CWE).

Early Childhood Education (AAOT) Degree available in accordance to an Articulation Agreement with Eastern Oregon University. Please see Director of Early Childhood Education if you are interested in this degree.

## Certificate

## Early Childhood Education (CC)

Human Resources

## Intended Program Outcomes:

Demonstrate knowledge of child development in a socio-cultural context

- Apply developmentally appropriate practices (DAP) to meet the needs of diverse populations
- Apply best practices in group management to optimize the potential for learning and social-emotional development
- Practice ethical and legal standards, as well as professional attitudes and behavior
- Apply best practices, observation, and assessment to enhance learning and development.

## Program Curriculum

Term 1

- ECE 101 - Family and Community Relations *Credits - 3*
- ECE 109 - Foundations and Careers in Early Childhood *Credits - 3*
- ECE 111 - Introduction to ECE Environments *Credits - 3*
- ECE 154 - Literature and Literacy *Credits - 3*
- WR 115 - Introduction to College Writing *Credits - 4*  
(or higher)

Term 1 Total: 16

Term 2

- ECE 100 - Developmentally Appropriate Practice in Early Childhood Ed *Credits - 3*
- ECE 152 - Creativity for Young Children *Credits - 3*  
OR
- ECE 153 - Music and Movement *Credits - 3*
- ECE 226 - Child Development *Credits - 3*
- ECE 240 - Curriculum/Planning *Credits - 3*
- ECE 249 - Inclusion of Children with Special Needs *Credits - 3*

Term 2 Total: 15

Term 3

- ECE 150 - Observation/Assessment and Recording *Credits - 3*
- ECE 151 - Guidance and Classroom Management *Credits - 3*
- ECE 280 - Cooperative Work Experience *Credits - 1-8*  
Social Science Elective *Credits - 4*
- MTH 062 - Quantitative Literacy I *Credits - 4*  
(or higher)

Term 3 Total: 16

Total Credits: 47

## **Early Childhood Education Assistant (CPCC)**

Human Resources

### **Intended Program Outcomes:**

Demonstrate knowledge of child development in a socio-cultural context

- Apply developmentally appropriate practices (DAP) to meet the needs of diverse populations
- Apply best practices in group management to optimize the potential for learning and social-emotional development
- Practice ethical and legal standards, as well as professional attitudes and behavior
- Apply best practices, observation, and assessment to enhance learning and development.

Title IV- Not eligible for Federal aid

### **Program Curriculum**

- ECE 100 - Developmentally Appropriate Practice in Early Childhood Ed *Credits - 3*
- ECE 151 - Guidance and Classroom Management *Credits - 3*
  
- ECE 152 - Creativity for Young Children *Credits - 3*  
OR
- ECE 101 - Family and Community Relations *Credits - 3*

- ECE 226 - Child Development *Credits - 3*  
OR
- ECE 249 - Inclusion of Children with Special Needs *Credits - 3*
- ECE 280 - Cooperative Work Experience *Credits - 1-8*

Total Credits: 15

## **Early Childhood Education Developmentally Appropriate Early Learning Environments (DAELE)**

### **Early Childhood Education**

#### **Intended Program Outcomes:**

This career pathway Certificate of Completion is designed to support students seeking careers in Early Learning Settings.

- Support early learning in applying primary theories implemented in early childhood development and education.
- Apply assessment and observation tools to discern children's behavior, demonstration of understanding, and to inform classroom practices such as curricular, environmental and socioeconomic considerations.
- Demonstrate knowledge of curricular models and positive guidance strategies which support young children's learning and development.
- Build developmentally appropriate curriculum and classroom resources, based on knowledge of children's developmental needs across domains, including cognitive, physical, social and emotional.

Title IV- Not eligible for Federal aid

### **Early Childhood Infant Toddler Certificate (CC)**

Human Resources

#### **Intended Program Outcomes:**

Have an understanding of, and ability to, work within a quality, responsive, relationship-based infant toddler program including culturally relevant activities, to meet each child's individual developmental needs and to be able to create a healthy, respectful, supportive and challenging learning environment. (NAEYC Standard 1)

- Have an understanding of, and ability to, create and participate in respectful, reflective, reciprocal relationships with family members of infants and toddlers. (NAEYC Standard 2)
- Have an understanding of and skills to participate in effective observation and assessment of infants and toddlers. (NAEYC Standard 3)
- Be able to integrate knowledge of family relations, child development and developmentally appropriate practices to offer an effective infant toddler teaching and learning environment. (NAEYC Standard 4)

Title IV- Not eligible for Federal aid

### **Program Curriculum**

- ECE 280 - Cooperative Work Experience *Credits - 1-8 -3 credit hours required for program*
- ECE 175A - Infant/Toddler Caregiving: Social Emotional Growth *Credits - 1*
- ECE 175B - Infant/Toddler Caregiving: Group Care *Credits - 1*
- ECE 175C - Infant/Toddler Caregiving: Learning and Development *Credits - 1*

- ECE 175D - Infant/Toddler Caregiving: Culture, Family and Provider *Credits - 1*
- ECE 100 - Developmentally Appropriate Practice in Early Childhood Ed *Credits - 3*
- ECE 109 - Foundations and Careers in Early Childhood *Credits - 3*
- ECE 225 - Prenatal, Infant and Toddler Development *Credits - 3*
- ECE 228 - Responsive Infant Toddler Programs *Credits - 3*

Total Credits: 18

## Education

### Degree

### AAOT-Elementary Education

**Associate of Arts Oregon Transfer Degree (AAOT)-Elementary Education**

#### Elementary/Middle School Education

The AAOT-Elementary Education degree is designed for those interested in pursuing a career in elementary education. This two year degree prepares students to transfer to an undergraduate teaching program at a four-year university. Required courses will explore topics related to student learning, teaching strategies, and requirements to become a professional educator for an enriching career in education. The Director of Education works closely with students to completion and to transfer seamlessly to a university of their choosing to ensure an efficient pathway to potential licensure.

**GROW YOUR OWN:** A program for students who want to remain local to Eastern Oregon and teach within our own schools. Earn an AAOT-Elementary ED degree in two years from BMCC and transfer seamlessly to EOU to complete the last two years.

### Foundational Requirements

#### Writing

A student must have at least 8 credits of Writing.

- WR 121 - English Composition *Credits - 4*  
and  
Choose one:
- WR 122 - English Composition *Credits - 4*
- WR 227 - Technical Report Writing *Credits - 4*

#### Math

- MTH 211 - Foundations of Elementary Mathematics *Credits - 4*
- MTH 212 - Foundations of Elementary Mathematics *Credits - 4*
- MTH 213 - Foundations of Elementary Mathematics *Credits - 4*

#### Oral Communication

- COM 111 - Public Speaking *Credits - 4*

#### Health/Wellness

Take 3 or more credits of Health/Wellness .

Recommended:

- HPE 295 - Health and Fitness for Life *Credits - 3*

## Discipline Studies:

(Courses must be at least 3 credits)

## Arts & Letters

At least 3 courses including

**Literature, Choose one:**

- ENG 104 - Introduction to Literature *Credits - 4*
- ENG 105 - Introduction to Literature *Credits - 4*
- ENG 106 - Introduction to Literature *Credits - 4*

**Art, Choose one:**

- ART 115 - Basic Design *Credits - 4*
- ART 116 - Basic Design *Credits - 4*
- ART 117 - Basic Design *Credits - 4*
- ART 131 - Beginning Drawing *Credits - 4*
- ART 132 - Beginning Drawing *Credits - 4*
- ART 133 - Beginning Drawing *Credits - 4*

**Choose one more:**

from any of the Arts & Letters (Humanities) \*

## Social Science:

At least 4 courses including

- PSY 201 - General Psychology *Credits - 4*
- PS 201 - American Government and Politics *Credits - 4*
- GEOG 120 - World/Regional Geography *Credits - 4* \*

**History, Choose one:**

- HST 201 - History of the United States *Credits - 4* \*
- HST 202 - History of the United States *Credits - 4* \*
- HST 203 - History of the United States *Credits - 4* \*

## Science

At least 3 courses including

**Biology, Choose one:**

- BI 101 - General Biology *Credits - 4*
- BI 102 - General Biology for Non-Majors *Credits - 4*
- BI 103 - General Biology for Non-majors *Credits - 4*
- BI 112 - Cell Biology for Health Occupations *Credits - 4*
- BI 124 - Global Ecology and Conservation Biology *Credits - 4*

**Geology, Choose one:**

- G 101 - Introduction to Geology - Minerals and Rocks *Credits - 4*
- G 102 - Introduction to Geology - Environmental Geology *Credits - 4*



- G 103 - Introduction to Geology - Historical Geology *Credits - 4*
- G 105 - Introduction to Geology: Pacific Northwest Geology *Credits - 4*
- G 201 - Physical Geology *Credits - 4*
- G 202 - Physical Geology *Credits - 4*
- G 203 - Historical Geology *Credits - 4*
- **Physical Science, Choose one:**
- CH 104 - Introductory Chemistry *Credits - 5*
- CH 105 - Introductory Chemistry *Credits - 5*
- CH 106 - Introductory Chemistry *Credits - 5*
- CH 110 - Foundations of Chemistry *Credits - 5*
- GS 104 - Physical Science/Physics *Credits - 4*
- GS 105 - Physical Science/Chemical Concepts *Credits - 4*
- GS 110 - Physical Science/Energy *Credits - 4*
- PHY 101 - Essentials of Physics *Credits - 4*

## Education Courses

- ED 101 - Introduction to Education Seminar and Practicum *Credit - 4*
- ED 169 - Overview of Students with Special Needs *Credits - 3*
- ED 216 - Foundations of Education *Credits - 4*
- ED 253 - Learning Across the Lifespan *Credits - 4*
- ED 258 - Multicultural Education *Credits - 3*
- ED 280 - Cooperative Work Experience *Credits - 1-8*, **Practicum**, Credits - 3

## Cultural Literacy

\*At least 1 of the classes above must be classified as Cultural Literacy .

## Emergency Services

### Degree

### Fire Science Technology (AAS)

Health Services

**(Limited-Entry Program)**

### Intended Program Outcomes:

This two-year program leading to an A.A.S. degree in Fire Science Technology prepares the student to be effective as a firefighter on an firefighting team in a number of different settings. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Firefighting knowledge and skills, including general knowledge of emergency services,
- Demonstrated application of firefighting safety and practices,
- Ability to perform the duties of emergency medical technician,
- Skilled communication (writing, presentation techniques),
- Proficiency in fire behaviors,
- Demonstrated professional skills (problem solving, interpersonal skills, business computing, proposal development),

- Knowledge of fire prevention and crisis intervention,
- Knowledge and skills of apparatus operation,
- Fire and emergency administration and investigation.

Students desiring to transfer to four-year science degree are encouraged to see an advisor for appropriate coursework.

## Program Curriculum

### Term 1

- FS 110A - Fire Fighter Skills Academy part A *Credits - 3*
- EMT 151 - Emergency Medical Technician Part A *Credits - 6*
- ES 175 - Introduction to Emergency Services *Credits - 4*
- CS 120 - Concepts of Computing *Credits - 4*  
OR
- BA 131 - Introduction to Business Computing *Credits - 4*

Term 1 Total: 17

### Term 2

- WR 227 - Technical Report Writing *Credits - 4*
- EMT 176 - Emergency Response Patient Transportation *Credits - 2*
- EMT 152 - Emergency Medical Technician Part B *Credits - 6*
- FS 110B - Fire Fighter Skills Academy part B *Credits - 3*
- Social Science Courses *Credits - 4*  
OR
- Arts & Letters (Humanities) *Credits - 4*

Term 2 Total: 19

### Term 3

- EMT 115 - Crisis Intervention *Credits - 3*
- ES 169 - Emergency Service Rescue *Credits - 3*
- FS 112 - Firefighter II Skills Academy *Credits - 4*
- FS 121 - Fire Behavior & Combustion *Credits - 3*
- FS 123 - Hazardous Materials - Awareness/Operation *Credits - 2*
- FS 130 - Wildland Firefighter *Credits - 2*

Term 3 Total: 17

### Term 4

- COM 111 - Public Speaking *Credits - 4*
- FS 122 - Fundamentals of Fire Prevention *Credits - 3*
- FS 137 - Fire Protection Systems *Credits - 3*
- FS 170 - Intro to Fire Tactics & Strategies *Credits - 3*

Term 4 Total: 13

Term 5

- FS 166 - Building Construction for Fire Prevention *Credits - 3*
- FS 169 - Apparatus Operator/Driver *Credits - 4*
- FS 212 - Fire Investigation *Credits - 3*
- FS 280 - Cooperative Work Experience *Credits - 1-8*
- MTH 070 - Elementary Algebra *Credits - 5*  
Or Higher

Term 5 Total: 18

Term 6

- FS 214 - Principles of Fire & Emergency Services Safety & Survival *Credits - 3*
- FS 240 - Emergency Services Instructor I *Credits - 3*
- FS 274 - Intro to Fire & Emergency Administration *Credits - 3*
- FS 280 - Cooperative Work Experience *Credits - 1-8*

Term 6 Total: 12

Total Credits: 96

## Certificate

### Emergency Medical Technician (EMT) (CC)

Health Services

(Limited-Entry Program)

### Intended Program Outcomes:

This one-year program leading to an Emergency Medical Technician certificate offers students the opportunity to prepare for careers in emergency medical services. Learning experiences in this program are designed to assist the student in realizing the following outcomes:

- Assess and treat patients using protocols within the Oregon defined scope of practice in emergency medical situations.
- Use verbal and non-verbal skills to communicate with patients, families, bystanders and other medical professionals.
- Accurately observe and document patient care data using a variety of tools and techniques including providing written and verbal patient reports.
- Properly and safely lift and move patients in a variety of medical and rescue situations.
- Exhibit respectful, responsive personal behaviors in your personal as well as professional EMS life.
- Perform all care in a professional and ethical manner recognizing cultural diversity.
- Work in an organized manner and provide leadership during stressful and life threatening situation.

### Employment Opportunities:

Career opportunities that may require EMT training including but are not limited to: firefighter (career or volunteer), paramedic, search and rescue, critical care transport or basic life support transport provider. The EMT certificate can lead to a career as a paramedic if a student

wishes to continue their studies and completes the requirements or an A.A.S.-EMT (Associate of Applied Science - EMT) degree at an accredited institution.

## Program Curriculum

### Term 1

- EMT 151 - Emergency Medical Technician Part A *Credits - 6*
- ES 175 - Introduction to Emergency Services *Credits - 4*
- MTH 070 - Elementary Algebra *Credits - 5 (or higher)*
- COM 111 - Public Speaking *Credits - 4*
- BI 231 - Human Anatomy and Physiology *Credits - 4*

Term 1 Total: 22

### Term 2

- EMT 176 - Emergency Response Patient Transportation *Credits - 2*
- EMT 152 - Emergency Medical Technician Part B *Credits - 6*
- BI 232 - Human Anatomy and Physiology *Credits - 4*
- WR 121 - English Composition *Credits - 4 (or higher)*

Term 2 Total: 17

### Term 3

- BI 233 - Human Anatomy and Physiology *Credits - 4*
- ES 169 - Emergency Service Rescue *Credits - 3*
- EMT 115 - Crisis Intervention *Credits - 3*
- PSY 201 - General Psychology *Credits - 4*
- BT 251 - Medical Terminology *Credits - 3*
  
- Social Science Courses *Credits - 3*  
OR
- Arts & Letters (Humanities) *Credits - 3*

Term 3 Total: 20

Total Credits: 59

\*\*\* To complete this certificate you will need A & P, which has a PRE-REQ of BI 112 . Don't save all this until your last term\*\*\* for more information Contact: **EMS Coordinator 541-278-5786 or Fire Science Coordinator 541-278-5799**

## Engineering Technologies

## English & Writing

## Fine Arts

# Human Development

## Industrial Systems Technology

### Degree

### Industrial Systems Technology (AAS)

Industrial and Engineering Systems

### Intended Program Outcomes:

Students who successfully complete the Associate of Applied Science in Industrial Systems program will have demonstrated the ability to:

- Troubleshoot, maintain, and repair industrial systems (mechanical, fluid, etc.)
- Analyze technical data
- Promote energy efficiency and industrial sustainability
- Contribute to a positive professional workplace culture

All classes are non-sequential. Students may begin any term. Classes must be completed with a grade of C or better.

Note: Program updates approved 8/13/2020, Catalog updated 10/23/2020.

### Program Curriculum

#### Term 1

- IST 109 - Introduction to Industrial Systems Technology *Credits - 2*
- IST 121 - Mechanical Drive Systems *Credits - 3*
- IST 141 - Electrical Fundamentals for non-Electricians *Credits - 3*
- IST 157 - Preventative Maintenance Management *Credits - 3*
- IST 147 - Programmable Logic Controllers I *Credits - 3*

Term 1 Total: 14

#### Term 2

- DRF 110 - Print Reading For Welders *Credits - 2*
- IST 125 - Bearing and Lubrication Systems *Credits - 3*
- WLD 111 - Basic Gas and Arc Welding *Credits - 3*  
OR
- AGM 221 - Metals and Welding *Credits - 3*
- MTH 062 - Quantitative Literacy I *Credits - 4*  
(or higher)
- IST 247 - Programmable Logic Controllers II *Credits - 3*

Term 2 Total: 15

#### Term 3

- COM 100 - Human Communication *Credits - 4*
- DRF 111 - Industrial Print Reading *Credits - 2*
- IST 131 - Industrial Safety *Credits - 3*
- IST 165 - Industrial Pneumatic Systems *Credits - 3*
- IST 248 - Programmable Logic Controllers III *Credits- 3*

Term 3 Total: 15

Term 4

- BA 131 - Introduction to Business Computing *Credits - 4*  
OR
- CS 120 - Concepts of Computing *Credits - 4*
- DRF 112 - Computer Aided Drafting *Credits - 3*
- IST 162 - Industrial Hydraulic Systems *Credits - 3*
- WR 060 - Elements of the Essay *Credits - 4*

Term 4 Total: 15

Term 5

- IST 112 - Rigging and Lifting *Credits - 3*
- IST 145 - Electric Motor and Controls Troubleshooting *Credits - 3*
- IST 221 - Pumps and Valves *Credits - 3*
- IST 151 - Industrial Shop Practices *Credits - 3*
- BA 284 - Pre-Employment Seminar *Credits - 2*

Term 5 Total: 16

Term 6

- PHY 101 - Essentials of Physics *Credits - 4*
- IST 267 - Process Control and Instrumentation *Credits - 3*
- IST 261 - Automated Material Handling *Credits - 3*
- IST 271 - Capstone Project I *Credits - 3*
- Technical Elective *Credits - 3*

Term 6 Total: 16

Total Credits: 91

**Certificate**

**Industrial Systems Technology: Data Center Operations (CPCC)**

Industrial and Engineering Systems

**Intended Program Outcomes:**

This less than one-year career pathway certificate is intended to prepare students for entry-level jobs in facility operation and maintenance in a data center. This certificate documents the Data Center Operations Engineering focus area of the Industrial Systems Technology A.A.S. degree.

Students who successfully complete this certificate will have demonstrated the following:

- Familiarity with HVAC system controls
- Awareness of safety
- Ability to operate, maintain, troubleshoot, and repair common pumps and valves
- Familiarity with Data Center Operations
- Verbal and written communication skills

All courses must be completed with a grade of C or better.

Title IV- Not eligible for Federal aid

## Term 1

- IST 109 - Introduction to Industrial Systems Technology *Credits - 2*
- IST 121 - Mechanical Drive Systems *Credits - 3*
- IST 141 - Electrical Fundamentals for non-Electricians *Credits - 3*
- IST 151 - Industrial Shop Practices *Credits - 3*
- IST 157 - Preventative Maintenance Management *Credits - 3*
- IST 162 - Industrial Hydraulic Systems *Credits - 3*

Term 1 Total: 17

## Term 2

- IST 125 - Bearing and Lubrication Systems *Credits - 3*
- IST 145 - Electric Motor and Controls Troubleshooting *Credits - 3*
- IST 147 - Programmable Logic Controllers I *Credits - 3*
- IST 221 - Pumps and Valves *Credits - 3*

Term 2 Total: 12

## Term 3

- DRF 111 - Industrial Print Reading *Credits - 2*
- IST 131 - Industrial Safety *Credits - 3*
- IST 135 - HVAC System Controls *Credits - 3*
- IST 225 - Data Center Operations and Engineering *Credits - 3*
- WR 060 - Elements of the Essay *Credits - 4*  
(or higher)

Term 3 Total: 15

Total Credits: 44

## **Industrial Systems Technology: Industrial Automation (CPCC)**

## **Intended Program Outcomes:**

This one-year career pathway certificate is intended to prepare students for entry-level employment in the automated control of modern industrial equipment. All classes successfully completed can be applied to the Industrial Systems Technology AAS degree. Students who successfully complete this certificate will have demonstrated the following:

- Familiarity with a variety of industrial systems
- Understanding of automated control of industrial systems
- Ability to apply PLC's and process controls skills and knowledge in a variety of industrial settings

All courses must be completed with a grade of C or better.

Title IV- Not eligible for Federal aid

### **Term 1**

- IST 157 - Preventative Maintenance Management *Credits - 3*
- IST 162 - Industrial Hydraulic Systems *Credits - 3*
- IST 109 - Introduction to Industrial Systems Technology *Credits - 2*
- IST 121 - Mechanical Drive Systems *Credits - 3*
- IST 141 - Electrical Fundamentals for non-Electricians *Credits - 3*
- IST 151 - Industrial Shop Practices *Credits - 3*

Term 1 Total: 17

### **Term 2**

- IST 125 - Bearing and Lubrication Systems *Credits - 3*
- IST 145 - Electric Motor and Controls Troubleshooting *Credits - 3*
- IST 147 - Programmable Logic Controllers I *Credits - 3*

Term 2 Total: 9

### **Term 3**

- DRF 111 - Industrial Print Reading *Credits - 2*
- IST 131 - Industrial Safety *Credits - 3*
- IST 247 - Programmable Logic Controllers II *Credits - 3*
- IST 261 - Automated Material Handling *Credits - 3*
- IST 267 - Process Control and Instrumentation *Credits - 3*

Term 3 Total: 14

Total Credits: 40

## **Industrial Systems Technology: Maintenance (CPCC)**

Industrial and Engineering Systems

## **Intended Program Outcomes:**



This one-year career pathway certificate is intended to prepare students for entry-level employment in operations and maintenance in a variety of industrial settings. All classes successfully completed can be applied to the Industrial Systems Technology A.A.S. degree. Students who successfully complete this certificate will have demonstrated the ability to operate, maintain, and troubleshoot modern industrial equipment.

Skills in the following areas will be demonstrated:

- Maintenance of Bearings, Drives, and Motors
- Understanding of Programmable Logic Controllers
- Troubleshooting a variety of industrial Systems
- Safety in the workplace

All courses must be completed with a grade of C or better

Title IV- Not eligible for Federal aid

## Term 1

- IST 157 - Preventative Maintenance Management *Credits - 3*
- IST 109 - Introduction to Industrial Systems Technology *Credits - 2*
- IST 121 - Mechanical Drive Systems *Credits - 3*
- IST 141 - Electrical Fundamentals for non-Electricians *Credits - 3*
- IST 151 - Industrial Shop Practices *Credits - 3*

Term 1 Total: 17

## Term 2

- IST 112 - Rigging and Lifting *Credits - 3*
- IST 125 - Bearing and Lubrication Systems *Credits - 3*
- IST 147 - Programmable Logic Controllers I *Credits - 3*
- IST 162 - Industrial Hydraulic Systems *Credits - 3*
- IST 221 - Pumps and Valves *Credits - 3*

Term 2 Total: 14

## Term 3

- DRF 111 - Industrial Print Reading *Credits - 2*
- IST 131 - Industrial Safety *Credits - 3*
- IST 165 - Industrial Pneumatic Systems *Credits - 3*

Term 3 Total: 8

Total Credits: 37

## **Industrial Systems Technology: Welding (CPCC)**

Industrial and Engineering Systems

## **Intended Program Outcomes:**

This less than one-year career pathway certificate is intended to prepare students for entry-level jobs in welding in an industrial maintenance environment. This certificate documents the Welding focus area of the Mechatronics: Industrial Systems Technology A.A.S. degree. Students who successfully complete this certificate will have demonstrated the following:

- Ability to craft quality welds
- Awareness of safety
- Ability to interpret weld diagrams

All courses must be completed with a grade of C or better.

Title IV- Not eligible for Federal aid

## Term 1

- IST 109 - Introduction to Industrial Systems Technology *Credits - 2*
- IST 121 - Mechanical Drive Systems *Credits - 3*
- IST 141 - Electrical Fundamentals for non-Electricians *Credits - 3*
- IST 151 - Industrial Shop Practices *Credits - 3*
- IST 157 - Preventative Maintenance Management *Credits - 3*
- IST 162 - Industrial Hydraulic Systems *Credits - 3*

Term 1 Total: 17

## Term 2

- DRF 110 - Print Reading For Welders *Credits - 2*
- IST 147 - Programmable Logic Controllers I *Credits - 3*
- IST 225 - Data Center Operations and Engineering *Credits - 3*
- AGM 221 - Metals and Welding *Credits - 3*
- OR
- WLD 111 - Basic Gas and Arc Welding *Credits - 3*

Term 2 Total: 14

## Term 3

- DRF 111 - Industrial Print Reading *Credits - 2*
- IST 131 - Industrial Safety *Credits - 3*
- WLD 221 - TIG Welding *Credits - 3*

Term 3 Total: 8

Total Credits: 39

## **Math and Computer Science**

### **Certificate**

### **Software Development (CC)**

## **Intended Program Outcomes:**

This 12-credit-hour certificate of completion provides a year-long introduction to concepts, tools, and techniques used in software development. Students successfully completing the certificate will have the knowledge to pursue a potential AAS in Computer Science, a Bachelor's in Computer Science, or an internship/apprenticeship at an organization providing on-the-job training in the field.

Title IV- Not eligible for Federal aid

### **Program Curriculum**

#### **Term 1**

- CS 160 - Gentle Introduction to Programming *Credits - 4*

Term 1 Total: 4

#### **Term 2**

- CS 161 - Computer Science *Credits - 4*

Term 2 Total: 4

#### **Term 3**

- CS 162 - Computer Science *Credits - 4*

Term 3 Total: 4

Total Credits: 12

## **Medical Assisting**

### **Certificate**

### **Medical Assisting**

## **Intended Program Outcomes:**

The Medical Assisting program prepares students for a career as a Medical Assistant. Courses will combine cognitive learning and practice of psychomotor skills in classroom and laboratory settings. Clinical training through externships in local outpatient clinics and physician offices will allow students to observe and practice skills gained in the classroom and laboratory in actual healthcare settings. Medical Assistants are skilled professionals who have specific training to work in a physician's office or a clinic.

- Perform the clinical and clerical skills of an entry-level medical assistant.
- Apply knowledge of MAERB Core Curriculum by completing and passing the core competencies and AAMA certification examination.
- Demonstrate professional and effective therapeutic communication skills with all patients and co-workers.
- Define legal and ethical considerations pertaining to the medical assistant's scope of practice.
- Manage medical records in the physician's office by effectively navigating electronic health record software.

## Program Curriculum

### Term 1

- BI 112 - Cell Biology for Health Occupations *Credits - 4*
- BT 251 - Medical Terminology *Credits - 3*
- BT 256 - Electronic Health Records *Credits - 3*
- BT 257 - Medical Office Procedures *Credits - 4*

Term 1 Total: 14

### Term 2

- BI 130 - Survey of Anatomy and Physiology *Credits- 5*
- BT 252 - Medical Terminology *Credits - 3*
- BT 259 - Medical Billing and Coding *Credits - 4*
- MTH 062 - Quantitative Literacy I *Credits - 4 (or higher)*

Term 2 Total: 16

### Term 3

- BT 258 - Medical Insurance Procedures and Coding *Credits - 3*
- COM 100 - Human Communication *Credits - 4*
- MA 209 - Medical Assisting Externship *Credits - 3*
- MA 210 - Fundamentals of Medical Assisting *6*

Term 3 Total: 16

### Term 4

- MA 211 - Medical Assisting Practicum *Credits - 8*

Term 4 Total: 8

Total Credits: 54

## **Nursing**

### **Degree**

### **Nursing (AAS)**

Health Services

**(Limited-Entry Program)**

### **Intended Program Outcomes:**

This two-year AAS degree in nursing will prepare the student for eligibility for the national licensing examination and licensure as a registered nurse and to be effective in the workplace in the following areas:

- Base personal and professional actions on a set of shared core nursing values, including social justice, caring, advocacy, protection from harm, respect for self and others, collegiality, and ethical behavior; notice, interpret, respond and reflect on ethical dilemmas using ethical principles and frameworks as a guideline.
- Develop insight through reflection, self-analysis, and self-care.
- Engage in intentional learning, developing self-awareness of learning and effects on client care, seeking new, relevant knowledge and skills.
- Demonstrate leadership in nursing and health care to meet client needs, improve the health care system, and facilitate community problem solving.
- Collaborate as part of a health care team, receiving, using and giving constructive feedback.
- Practice within, utilize, and contribute to the broader health care system.
- Practice relationship-centered care, based on empathy and caring, deep understanding of the care experience, and mutual trust and respect for the autonomy of the client.
- Communicate effectively and therapeutically, with attention to elements of cultural influences, and using appropriate modalities and technologies.
- Make sound clinical judgments through noticing, interpreting and responding, using best available evidence, frameworks and systems to organize data and knowledge; accurately perform skills while maintaining patient and personal safety.
- Locate, evaluate, and use the best available evidence.

Registered nurses (RNs) use their knowledge, skills, and problem-solving 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 for patients. Nurses work in a variety of settings, including hospitals, long-term care, schools, industry, clinics, and patients' homes.

### **About the Program**

BMCC is a member of the Oregon Consortium for Nursing Education (OCNE) and offers a competency-based curriculum jointly developed by nursing faculties from the 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 to the program allows for co-admission to BMCC and OHSU nursing programs. The program may be completed with four years of full-time study, with the first year devoted to prerequisite/preparatory courses required for admission to the limited entry nursing program. The completion of the prerequisite and preparatory courses may take longer than one academic year. Successful completion of the second and third years leads to an Associate of Applied Science (AAS) Nursing degree offered by BMCC. Completion of the AAS degree at BMCC provides the educational eligibility for the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The OCNE curriculum continues for at least three additional terms leading to a Bachelor of Science (BS) degree with a major in Nursing offered by OHSU. See the BMCC Nursing Sample Program of Study at <http://www.bluecc.edu/nursing>.

As an OCNE partner graduate, students who complete the AAS degree at BMCC can seamlessly transition to the OHSU School of Nursing for the final year of nursing coursework to receive the Bachelor of Science (BS) with a major in nursing degree. There are two delivery options-in person or online. The OHSU RNBS Completion in-person option requires transition within the first year after graduating with an AAS and is available full-time (three terms) on the Portland Campus only. The OHSU RNBS Completion Online option is available to all associate degree graduates and can be completed full-time (three terms) or part-time (6 terms). Information on baccalaureate completion can be found at <https://www.ohsu.edu/school-of-nursing/admissions-requirements-and-application-instructions>.

The nursing program is fully approved by the Oregon State Board of Nursing.

### **Entry Requirements**

As part of their training, students must begin with the courses within their skill levels as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their success.

Program admission occurs once per year. The deadline for fall term 2022 admission and submission of program application materials is February 15, 2022, or the first business day thereafter. BI 231, Anatomy and Physiology I, and MTH 95, Intermediate Algebra, must be completed by the end of fall term, 2021. Applicants must complete a minimum of 30 prerequisite credits by the end of fall term, 2021 in

order to be eligible to apply for admission to our 2022-2024 program. All prerequisite/preparatory courses must have been taken with a letter grade and completed with a "C" or better. Consortium partner schools use a shared point system and a set of core criteria for evaluation and selection of candidates to the consortium curriculum, but selection processes, acceptance decisions, and admissions occur at individual schools. Application to the nursing program requires a minimum GPA of 3.0 for all completed prerequisite/preparatory courses. Contact the Registrar or see BMCC's nursing program website for information regarding the application and selection process.

If an applicant has taken an equivalent course elsewhere which has a course number, title, or credit hour different from the BMCC course, the applicant must contact BMCC's Registrar's office for a transcript evaluation as far in advance of the application deadline as possible. To be admitted into nursing courses, students must complete all required prerequisite and preparatory courses and be accepted into the nursing program.

Accepted students must comply with Administrative Requirements for Health Profession Student Clinical Training (OAR 409-030-0100 to 409-030-0250) prior to clinical placement. BMCC contracts with American DataBank to manage required documentation. Information is available on the nursing program's website and is provided to students before fall nursing classes begin.

Students should understand that although co-admitted to the OHSU School of Nursing, those who choose to transition from the BMCC Nursing Program to OHSU will have to undergo a criminal background check for OHSU at the time of transition and ability to enroll in OHSU courses may be negatively impacted by any criminal history in their background.

Internet and email access are integral parts of all nursing courses and access to a computer will be required on a daily basis. Nursing students attend classes at the BMCC campus in Pendleton and clinical practica in northeastern Oregon and need reliable transportation.

### **Graduation Requirements**

These requirements apply only to nursing students admitted to the program during the 2022-2023 academic year. The program of study, graduation requirements, and courses are under constant review and are subject to revision. Students contemplating admission in a later year may have different requirements and must obtain the 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 a "C" or better grade.

Students must complete all courses on this advising guide with a grade of "C" or better to continue in and complete the program, receive their degrees, and meet the educational requirements to apply to take the NCLEX-RN. The OSBN screens all applicants for licensure and may deny licensure to or place on probation applicants with convictions for certain crimes.

### **Prerequisites/Required Preparatory Courses**

- BI 112 - Cell Biology for Health Occupations *Credits - 4*<sup>1</sup>
- BI 231 - Human Anatomy and Physiology *Credits - 4*<sup>2</sup>
- BI 232 - Human Anatomy and Physiology *Credits - 4*
- BI 233 - Human Anatomy and Physiology *Credits - 4*
- BI 234 - Microbiology *Credits - 4*
- MTH 095 - Intermediate Algebra *Credits - 5*<sup>3</sup> (or higher)
- FN 225 - Nutrition *Credits - 4*
- PSY 201 - General Psychology *Credits - 4*<sup>4</sup>  
Social Science Elective Credits - 4<sup>5</sup>
- PSY 237 - Human Development *Credits - 4*
- WR 121 - English Composition *Credits - 4*<sup>6</sup>
- WR 122 - English Composition *Credits - 4*  
OR
- WR 227 - Technical Report Writing *Credits - 4*

### **Note:**

**All prerequisite/preparatory credits to be completed before admission to nursing courses, minimum of: 48**

### **Program Curriculum**

## First-Year Nursing Course Requirements

### Fall Term

- NRS 110 - Foundations of Nursing -Health Promotion *Credits - 9*
- NRS 232 - Pathophysiological Processes I *Credits - 3*

Total credits-1st Fall Term: 12

### Winter Term

- NRS 111 - Foundations of Nursing in Chronic Illness I *Credits - 6*
- NRS 230 - Clinical Pharmacology I *Credits - 3*
- NRS 233 - Pathophysiological Processes II *Credits - 3*

Total credits-1st Winter Term: 12

### Spring Term

- NRS 112 - Foundations of Nursing in Acute Care I *Credits - 6*
- NRS 231 - Clinical Pharmacology II *Credits - 3*

Total credits-1st Spring Term: 9

## Second-Year Nursing Course Requirements

### Fall Term

- NRS 221 - Foundations of Nursing in Chronic Illness II/End of Life *Credits - 9*

Total credits-2nd Fall Term: 9

### Winter Term

- NRS 222 - Foundations of Nursing in Acute Care II/End of Life *Credits - 9*

Total credits-2nd Winter Term: 9

### Spring Term

- NRS 224 - Scope of Practice/Integrated Practicum *Credits - 9*

Total credits-2nd Spring Term: 9

### Note:

<sup>1</sup>A genetics course or genetics module within a course is required. BI 112 is highly recommended. BI 112, or BI 101, or BI 149, or BI 211 meet this requirement.

<sup>2</sup> BI 112 is a prerequisite to BI 231, BI 232, and BI 233. The courses within the human anatomy and physiology sequence (BI 231, BI 232, and BI 233) may be taken in any order. Course(s) including cell biology, histology, and chemistry may substitute for BI 112 (BI 211). Enrollment is also possible with an Instructor Override form if you have taken a combination of BI101 + CH104 or higher. BI231 must be completed by the end of fall term 2020 for fall 2021 admission.

<sup>3</sup> MTH 95 or higher must be completed by the end of fall term, 2020, for fall 2021 admission. Competency may be demonstrated by a math placement test or by successful completion of Math 95 or other course that leads to statistics. MTH 95, MTH98, MTH105, MTH 111, MTH112 or MTH 243 are acceptable courses. For students demonstrating MTH95 competency through a placement test, student may take 0-5 elective credits (100 or 200 level) if needed to satisfy the 45 credit minimum prerequisite requirements.

<sup>4</sup> PSY 201 is a prerequisite to PSY 237.

<sup>5</sup> A minimum of nine credits total of social sciences (inclusive of PSY201 and PSY237) are required.

<sup>6</sup>Writing series must include a research component: WR 121, WR 122, & WR 123 (or WR 227) at 3 credits each, or WR 121, WR 122 (or WR 227) at 4 credits each. If WR 121 and WR 122 at 3 credits each are completed, WR 227 may be taken during the first year in the program to complete the series (completing the series prior to program entry is *highly recommended* due to scheduling concerns). Completion of a Bachelor's degree at an English-speaking accredited college or university is considered equivalent to completion of the writing series.

Students who plan to transition to OHSU must be aware that to earn the bachelor's degree from OHSU, they must have two years of the same high school-level language, or two terms of college-level language, or pass a language proficiency examination. College-level foreign language (including American Sign Language) credits count toward degree requirements. A minimum of 9 credits of humanities is required for the OHSU degree. Students planning to transition to OHSU must have 132 credits of prerequisite and program required courses by the completion of the AAS degree in order to meet the 180 credit requirement by the completion of the Bachelor's Degree with a major in Nursing from OHSU. Students planning to earn a bachelor's degree are encouraged to complete MTH243 Probability and Statistics soon after the prerequisite math course.

This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

It is the policy of the Blue Mountain Community College Board of Education and School District that there will be no discrimination or harassment on the grounds of age, race, gender, marital status, religion, sexual preference, national origin, or disability in any educational programs, activities or employment.

Total Nursing Credits: 60

Total Prerequisite Credits: 48

Total Credits Required for AAS Nursing: 108

## **Science**

### **Social Science**

### **Unmanned Aircraft Systems**

### **Non-Credit Training Certificate**

### **UAS Professional Pilot**

## **Intended Program Outcomes:**



Unmanned Aerial Systems (UAS) are being used by many industries to more efficiently collect data and improve operational safety. From herding livestock to aiding law enforcement to inspecting critical infrastructure in the energy industry, UAS are expanding into nearly every major commercial sector. This program is designed to fill the rapidly growing UAS industry with professional UAS workforce personnel who operate on par with manned aviation organizations. Students who have earned this training certificate will gain the necessary knowledge in UAS airframes and aerodynamics, system designs and components, autopilot programming and fundamentals, sensors and payload operations, how to operate in National Airspace for UAS operations, and FAA UAS Regulations. Courses are designed and taught by industry professionals with decades of experience in UAS operations. Curriculum includes both classroom instruction and hands-on experience with Piccolo autopilot software and UAS.

- Monitor, interpret and plan UAS missions around weather
- Understand the principles of aerodynamics and flight
- Proficiency with pre/post-flight operations and in-flight procedures
- Understand Federal Aviation Administration Regulations that apply to Unmanned Aircraft Systems
- Proper procedures for operation within the National Airspace
- Operational knowledge of various Autopilots and user interface across UAS
- Assess the proper sensor for industry requirements

Title IV- Not eligible for Federal aid

## Program Curriculum

### Term 1

- 009 .620 - UAS History *Credits - 0 Contact Hours - 2*
- 009 .621 - UAS Weather *Credits - 0 Contact Hours - 7*
- 009 .622 - UAS Airframes and Aerodynamics *Credits - 0 Contact Hours - 4*
- 009 .623 - National Airspace for UAS Operations *Credits - 0 Contact Hours - 7*
- 009 .624 - UAS System Designs and Components *Credits - 0 Contact Hours - 7*
- 009 .625 - UAS Autopilot Programming and Fundamentals *Credits - 0 Contact Hours - 8*
- 009 .626 - UAS Sensors and Payload Operations *Credits - 0 Contact Hours - 4*
- 009 .627 - UAS Simulator Applications and Operations *Credits - 0 Contact Hours - 14*
- 009 .628 - UAS FFA Regulations *Credits - 0 Contact Hours - 7*

Term 1 Total: 60 Contact Hours

Total Hours: 60

## Veterinary Studies

### Certificate

### Veterinary Assistant (CC)

Agriculture, Food and Natural Resources

## Intended Program Outcomes:

This one year certificate in Vet Assisting will prepare the student concerned with working in a veterinarian's practice. Skills developed will include:

- Industry-related employment skills
- Customer-Patient relations

- Animal science (care, health, nutrition, overview)
- Food Animal restraint techniques
- Veterinary technology equipment (use, maintenance, sterilization)
- Vet Assistant skills including office, lab and surgery
- General Education skills in computation, communication and science

The Veterinary Assistant is a 1-year certificate program designed for those who want to work in a veterinarian's practice. The curriculum includes 3 courses in veterinary assistant technologies and a cooperative work experience component of 33 hours in the veterinarian's practice. Students will have hands-on instruction in veterinary office procedures, exam room management, animal vitals, care, and restraint.

## Program Curriculum

### Term 1

- VT 109 - Introduction to Veterinary Science *Credits - 2*
- AGR 111 - Agriculture Computers *Credits - 3*
- MTH 070 - Elementary Algebra *Credits - 5 (or higher)*
- BI 101 - General Biology *Credits - 4*

Term 1 Total: 14

### Term 2

- VT 110 - Fundamentals of Veterinary Assistant I *Credits - 3*
- ANS 211 - Animal Nutrition *Credits - 4*
- ANS 121 - Animal Science *Credits - 4*
- CH 104 - Introductory Chemistry *Credits - 5*
- WR 065 - Introduction to Technical Writing *Credits - 3*  
OR
- WR 227 - Technical Report Writing *Credits - 4*

Term 2 Total: 19

### Term 3

- VT 111 - Fundamentals of Veterinary Assistant II *Credits - 3*
- ANS 240 - Animal Health *Credits - 5*
- ANS 122 - Animal Science *Credits - 3*
- AGR 280 - Cooperative Work Experience *Credits - 1-8*

Term 3 Total: 13

Total Credits: 46

## Other

## Pre-Veterinary Technician Preparation

## Veterinary Studies

If you enjoy working with animals and people consider following your passions by enrolling in Pre-Veterinary Technology. Begin your studies by completing 26-27 credits with Blue Mountain Community College, then apply for admissions to Colby Community College's Distance Learning Veterinary Technology program, which can be completed entirely online. For information about Colby Community College, see <http://www.colbycc.edu/academics/associate-of-applied-science/veterinary-technician/index.html>

## Intended Program Outcomes:

After completing pre-vet tech course work, the student will:

- Be prepared to apply for admission into Colby Community College Distance Learning Veterinary Technician Program.

### Required pre-requisite courses and equivalencies:

Blue Mountain Community College	Colby Community College
ANS 121 Animal Science I (3 credits)	AG149 Animal Science (3 credits)
BI 101 General Biology (4 credits)	BIO1090 Concepts in Biology (4 credits)
BT 251 Medical Terminology (3 credits)	BHS1390 Medical Terminology (2 credits)
CH 104 Introduction to Chemistry (5 credits) or CH 110 Chemistry Foundations (5 credits)	CHM1110 Introductory General Chemistry (4 credits)
COM 111 Public Speaking (4 credits)	COM2110 Public Speaking (3 credits)
WR 121 English Composition (4 credits)	COM1110 English Composition (3 credits)

Students must also complete one of the following to fulfill the social/behavioral science elective requirement:

Blue Mountain Community College	Colby Community College
PSY 201 General Psychology (4 credits)	PSY1010 General Psychology (3 credits)
EC 201 Micro Economics (4 credits)	ECN1430 Micro Economics (3 credits)
EC 202 Macro Economics (4 credits)	ECN1410 Macro Economics (3 credits)

Note: AGR 280 Co-op Work Experience Vet Assistant (3 credits) fulfills the pre-requisite of observation work.

For more information please contact Danielle Wallace at [dwallace@bluecc.edu](mailto:dwallace@bluecc.edu) or (541) 278-5781.

## Welding

### Certificate

### Welding Certificate (CC)

Industrial and Engineering Systems

## Intended Program Outcomes:

This 12-credit-hour certificate of completion program is designed to prepare students for entry-level jobs in welding and related trades and to prepare students to pursue a certificate of completion or A.A.S. degree in welding technology from another educational institution. The program consists of the following courses:

Title IV- Not eligible for Federal aid

## Program Curriculum

### Term

- WLD 253 - Welding Practices for Certification *Credits - 3*
- WLD 112 - Advanced Arc Welding *Credits - 3*
  
- AGM 221 - Metals and Welding *Credits - 3*  
OR
- WLD 111 - Basic Gas and Arc Welding *Credits - 3*
  
- WLD 256 - Pipe Welding for Certification *Credits - 3*  
OR
- WLD 221 - TIG Welding *Credits - 3*

Total Credits: 12

## Other Programs

### Degree

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

**Associate of Arts Oregon Transfer (A.A.O.T)** degree, is a non-designated block transfer degree designed for the student who intends to transfer to a four-year college or university within the Oregon University System (OUS).

Students transferring 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. A student is encouraged to work with an advisor in the selection of courses.

The Associate of Arts Oregon Transfer degree is awarded to students who meet the following:

1. Associate Degree Comprehensive Requirements
2. Associate of Arts Oregon Transfer Requirements:

A total of 90 credits are required for this degree. All courses must be completed with a grade of "C" or better. Students must have a minimum cumulative GPA of 2.0 at the time the AAOT is awarded.

#### Foundational Requirements:

Courses must be a minimum of 3 credits (except for Health/Wellness courses, which may be any number of credits)

#### Writing:

A student must have at least 8 credits of Writing;

- WR 121 - English Composition *Credits - 4* and either
- WR 122 - English Composition *Credits - 4*  
Or
- WR 227 - Technical Report Writing *Credits - 4*
- WR 123 may be used to complete the 8 credits.

### Oral Communication:

- COM 111 - Public Speaking *Credits - 4*

### Math:

Complete a minimum of four credits in:

- MTH 105 - Math in Society *Credits - 5* or higher.

### Health/Wellness:

One or more courses totaling at least three credits from Health/Wellness .

### Discipline Studies:

(Courses must be at least 3 credits)

### Arts and Letters:

Complete at least 3 courses chosen from at least two disciplines in this area

### Social Science:

Complete at least 4 courses chosen from at least two disciplines in this area

### Science/Math/Computer Science:

Complete at least 4 courses from at least two disciplines in Lab Science / Non-Lab Science / Mathematics / Computer Science, including 3 laboratory courses in biological and/or physical science.

### Cultural Literacy:

Complete at least 1 course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy (as indicated on the General Education/Discipline Studies List). This course can be one of the 11 required Discipline Studies courses.

### Elective Credit:

Complete 100 or 200 level lower division collegiate courses to meet the overall requirement of 90 credits for this degree. Elective courses may be any number of credits. A maximum of 12 credits of Career and Technical Education courses, as designated by BMCC, may be applied to this degree.

## **Associate of General Studies (AGS)**

Associate of General Studies (A.G.S.), a non-designated two-year degree that consists of both career and technical education (CTE) courses and college-transfer courses.

A total of 90 credits are required for this degree. All courses must be completed with a grade of "C" or better. Students must have a minimum cumulative GPA of 2.0 at the time the AAOT is awarded.

The Associate of General Studies degree is awarded to students who meet the following:

1. Associate Degree Comprehensive Requirements
2. Associate of General Studies Degree Requirements:

## Foundational Requirements:

Courses must be a minimum of 3 credits (except for Health/Wellness courses, which may be any number of credits)

## Writing:

- WR 121 - English Composition *Credits - 4*

## Communication:

- COM 100 - Human Communication *Credits - 4*
- COM 111 - Public Speaking *Credits - 4*

## Math:

Complete one of the following:

- MTH 042 - Technical Mathematics *Credits - 4*
- MTH 070 - Elementary Algebra *Credits - 5*
- BA 104 - Business Mathematics *Credits - 4*

## Discipline Studies:

(courses must be at least 3 credits)

## Arts and Letters:

Complete at least 2 courses chosen from Arts & Letters (Humanities).

## Social Science:

Complete at least 2 courses chosen from Social Science.

## Lab Science:

Complete at least 1 course from Lab Science

## Elective Credit:

Complete 100 or 200 level lower division collegiate courses to meet the overall requirement of 90 credits for this degree. Elective courses may be any number of credits.

## **Associate of Science Oregon Transfer/Business (ASOT/Bus)**

Associate of Science Oregon Transfer/Business (ASOT-BUS.) degree has business-focused lower division general education requirements accepted by any institution in the Oregon University system (OUS), and electives tailored for requirements at each intended transfer institution. Students transferring with this degree will have junior standing for registration purposes.

The ASOT-Business degree does not guarantee admission to an OUS institution, or admission to a competitive business major, or junior standing in a major. Course, class-standing, or GPA requirements for specific majors, departments, or schools are not necessarily satisfied by an ASOT-Business degree.

Students are strongly encouraged to work with an academic advisor to select degree requirement courses that align with requirements at an intended transfer institution. Each student must contact the specific OUS business school/program early in the first year of an ASOT-Business degree to be advised about additional requirements and procedures for admission consideration to the OUS institution and the Business school/program.

The ASOT/Bus is awarded to students who meet the following:

1. Associate Degree Comprehensive Requirements
2. Associate of Science Oregon Transfer/ Business Degree Requirements:

A minimum number of 90 credits is required for this degree. All courses must be passed with a grade of "C" or better or P grade.

Students must have a minimum cumulative GPA of 2.0 at the time the ASOT-Business is awarded.

### **Foundational Requirements:**

Courses must be a minimum of 3 credits

### **Writing:**

A student must have at least 8 credits of Writing; WR123 may be used to complete the 8 credits.

- WR 121 - English Composition *Credits - 4*
- WR 122 - English Composition *Credits - 4*  
OR
- WR 227 - Technical Report Writing *Credits - 4*

### **Oral Communication:**

- COM 111 - Public Speaking *Credits - 4*

### **Math:**

Complete at least 3 courses for which MTH 095 is a prerequisite to include MTH 243.

### **Computer Applications:**

- BA 131 - Introduction to Business Computing *Credits - 4*

## Discipline Studies:

(courses must be at least 3 credits)

## Arts and Letters:

Complete at least 3 courses chosen from at least two disciplines in this area.

## Social Science:

Complete at least 4 courses chosen from at least two disciplines in this area to include EC201 and EC202.

- EC 201 - Principles of Microeconomic Theory with Applications *Credits - 4*
- EC 202 - Principles of Macroeconomic Theory with Applications *Credits - 4*

## Science:

Complete at least 4 courses chosen from at least two disciplines including at least 3 laboratory courses in biological and/or physical science.

## Cultural Literacy:

- COM 115 - Intercultural Communication *Credits - 4*

## Business Courses:

- BA 101 - Introduction to Business *Credits - 4*
- BA 206 - Principles of Management *Credits - 4*
- BA 211 - Principles of Accounting *Credits - 4*
- BA 213 - Principles of Accounting *Credits - 4*
- BA 226 - Business Law *Credits - 4* (or other advisor approved Business course elective)

## Elective Credit:

If additional credits are needed to meet the minimum of 90 credits for this degree, all 100 or 200 level lower division collegiate course will meet this requirement.

## Associate of Science Oregon Transfer/Computer Science (ASOT/CS)

Associate of Science Oregon Transfer/Computer Science (ASPT/CS.) degree will prepare students to transfer to an Oregon public university. Computer Science (CS) is the study of programs, data, computing machinery, and how these interact. Majors in computer science are offered at EOU, OSU, OIT, PSU, SOU, UO, and WOU in Oregon. Be aware that the core CS curriculum and major options vary at the above-listed schools. Consult with a BMCC faculty adviser before beginning your first term at BMCC as a CS transfer major.

The ASOT/CS is awarded to students who meet the following:

1. Associate Degree Comprehensive Requirements
2. Associate of Science Oregon Transfer/ Computer Science Degree Requirements:

A total of 90 credits are required for this degree. 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 the ASOT/CS is awarded.

## Foundational Requirements:



Courses must be a minimum of 3 credits (except for Health/Wellness courses, which may be any number of credits)

## Writing:

A student must have at least 8 credits of Writing; WR123 may be used to complete the 8 credits.

- WR 121 - English Composition *Credits - 4*
- WR 122 - English Composition *Credits - 4*  
OR
- WR 227 - Technical Report Writing *Credits - 4*

## Oral Communication:

- COM 111 - Public Speaking *Credits - 4*

## Math:

- MTH 251 - Calculus *Credits - 4*
- MTH 252 - Calculus *Credits - 4*

## Health/Wellness:

One or more courses totaling at least three credits from Health/Wellness .

## Discipline Studies:

(courses must be at least 3 credits)

## Arts and Letters:

Complete at least 3 courses chosen from at least two disciplines in this area

## Social Science:

Complete at least 4 courses chosen from at least two disciplines in this area

## Science/Math/Computer Science:

Complete at least 3 laboratory courses in biological and/or physical science

## Cultural Literacy:

Complete at least 1 course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy (as indicated on the General Education/Discipline Studies List). This course **cannot** be one of the 11 required Discipline Studies courses. Course must have been completed summer term 2010 or later.

## Computer Science:

- CS 160 - Gentle Introduction to Programming *Credits - 4*
- CS 161 - Computer Science *Credits - 4*

- CS 162 - Computer Science *Credits - 4*
- CS 260 - Data Structures *Credits - 4*

## Elective Credit:

Complete 100 or 200 level lower division collegiate courses to meet the overall requirement of 90 credits for this degree. Elective courses may be any number of credits. A maximum of 12 credits of Career and Technical Education courses, as designated by BMCC, may be applied to this degree with the exception of BA 104 and BA 105.

## Certificate

### Professional Truck Driver

*Industrial and Engineering Systems*

#### Intended Program Outcomes:

This Limited entry one year program will prepare the student with the knowledge and hands on experience necessary to be employable as an entry level tractor-trailer driver. Upon completion of this program students will:

- Have the knowledge and skills necessary to pass the State/Federal Class A, Commercial Driver's License Road test.
- Be appropriately proficient in communication skills (writing, presentation techniques)
- Have the necessary skills for effective customer service.

Title IV- Not eligible for Federal aid

#### Program Curriculum

- TTL 101 - Introduction to Transportation & Logistics *Credits - 4*
- TTL 121 - Practical Application in Transport & Logistics *Credits - 6*
- TTL 141 - Transportation Customer Service Skills *Credits - 3*
- TTL 280 - CWE: Transportation *Credits - 6*

Total Credits: 19

## Other

### OER Course List

These are designated courses as free or low cost resource requirements.

#### OER

- ANTH 103 - Introduction to Cultural Anthropology *Credits - 4*
- BA 101 - Introduction to Business *Credits - 4*
- BA 111 - Basic Accounting *Credits - 4*
- BA 131 - Introduction to Business Computing *Credits - 4*
- BA 206 - Principles of Management *Credits - 4*
- BA 211 - Principles of Accounting *Credits - 4*
- BA 212 - Principles of Accounting *Credits - 4*
- BA 213 - Principles of Accounting *Credits - 4*
- BA 223 - Principles of Marketing *Credits - 4*

- BA 277 - Business Ethics *Credits - 3*
- BA 280 - Cooperative Work Experience *Credits - 1-8*
- BA 284 - Pre-Employment Seminar *Credits - 2*
- BI 101 - General Biology *Credits - 4*
- BI 112 - Cell Biology for Health Occupations *Credits - 4*
- BT 116 - Professional Office Procedures *Credits - 4*
- BT 140 - Business Document Editing *Credits - 3*
- COM 111 - Public Speaking *Credits - 4*
- COM 115 - Intercultural Communication *Credits - 4*
- CS 120 - Concepts of Computing *Credits - 4*
- G 105 - Introduction to Geology: Pacific Northwest Geology *Credits - 4*
- GEOG 120 - World/Regional Geography *Credits - 4*
- HST 201 - History of the United States *Credits - 4*
- HST 202 - History of the United States *Credits - 4*
- HST 203 - History of the United States *Credits - 4*
- LD 110 - Your Professional Development Plan *Credits - 1*
- LD 130 - Building a Team *Credits - 1*
- LD 131 - Leading and Motivating a Team *Credits -1*
- LD 132 - Team Processes *Credits - 1*
- LD 133 - Workplace Culture *Credits - 1*
- LD 150 - Cultivating Self-Care *Credits - 1*
- LD 190 - Your Financial IQ *Credits - 1*
- LD 211 - Ethics in Action *Credits - 1*
- LD 212 - Preparing for Presentations *Credits - 1*
- LD 215 - Emotional Intelligence *Credits - 2*
- LD 225 - Social Intelligence *Credits - 2*
- LD 288 - Practicing Leadership Through Service Learning *Credits - 1*
- MTH 025 - Pre-Algebra *Credits - 4*
- MTH 070 - Elementary Algebra *Credits - 5*
- MTH 095 - Intermediate Algebra *Credits - 5*
- MTH 111 - College Algebra *Credits - 5*
- MTH 112 - Elementary Functions *Credits - 5*
- MTH 243 - Introduction to Probability and Statistics *Credits - 4*
- SOC 204 - General Sociology: Sociology in Everyday Life *Credits - 4*
- SOC 205 - General Sociology/Institutions and Social Change *Credits - 4*

## Course Numbers, Credits, Descriptions

### Course Numbers

Generally, courses with letter prefixes apply toward degrees and certificates, and courses with 100 and 200 numbers are college transfer courses; those numbered 200 to 299 are considered sophomore-level courses. Be sure to check the degree requirements for the certificate or degree you are seeking to ensure that the course you are taking will be counted.

### Course Credits

In order to earn an associate's degree in two years, students should enroll for an average of 16 college-level credits in fall, winter, and spring terms. If college preparatory courses are required, the number of credits each term would increase accordingly. Curriculum and program requirements described in this catalog provide more information on the program or degree of your choice.

Students participating in intercollegiate athletics, must complete and pass at least 12 credit hours each term for eligibility purposes. Students are encouraged to visit with BMCC's athletic director and/or our coaches for detailed eligibility requirements.

## Reading Course Descriptions

Courses offered at BMCC are listed in this section of the catalog. Not every course is offered every term. Use the schedule of classes to determine quarterly course offerings. Students who plan to transfer should consult with their program advisor to ensure course transferability.

## HOW TO READ A COURSE DESCRIPTION

Courses are grouped by area of study and listed alphabetically by letter prefix and course number. Courses numbered 100 and above are designed for transfer to other colleges for degree credit.

Course Number and Title	Letters and numbers along with the title of the course. Example: AGM131 Agricultural Safety
Course Description	Briefly summarizes course content
Credits, Lecture, Lab	The number of credits earned by taking the course is noted. Each lecture credit corresponds to one hour of instruction per week. Each lab credit equals 3 hours per week. Each other credit generally refers to 2 hours of class time per credit.
Prerequisite	Prerequisites are listed below course descriptions. A prerequisite is a course that must be completed before enrolling in the selected course. It is important to note prerequisites before registering.
Corequisite	Corequisite is a course that should be completed either before or while attending the selected course.

### Course Designations:

- [Click here for Arts & Letters \(Humanities\) Courses](#)
- [Click here for Social Science Courses](#)
- [Click here for Computer Science Courses](#)
- [Click here for Mathematics Courses](#)
- [Click here for Non-Lab Science Courses](#)
- [Click here for Lab Science Courses](#)
- [Click here for Health/Wellness Courses](#)
- [Click here for Cultural Literacy Courses](#)
- [Click here for General Elective Course List](#)
- [Click here for Career and Technical Course List](#)
- [Click here for Human Relations Courses](#)

### Non-Designated Courses

Courses numbered 100 and above listed in this section of the catalog that have not received a designation mark as outlined above may or may not meet degree requirements or be transferable to other institutions. Questions regarding transferability of courses should be directed to the Academic Advisor, Director of Enrollment Management, or Executive Vice President of Instruction and Student Success.

### Non-Transfer Courses

Courses with numerical designations less than 100 are not transferable to four-year institutions.

## Progression Charts

Math Progression Chart - [Click here](#)

Writing Progression Chart - [Click here](#)

## Agriculture

### AGM 131 - Agriculture Safety

*Credits - 3 Lecture - 2 Lab - 1*

A basic course in agricultural safety covering hand and power tools, equipment, chemical and environmental safety. Students will develop safe working habits and identify and correct safety hazards.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### AGM 140 - Agriculture Engines

*Credits - 3 Lecture - 2 Lab - 1*

Students develop a practical understanding of the functioning, operation, and maintenance of the internal combustion engine particularly as it is used in agricultural operations. Single cylinder small gas engines will be used in the lab setting to demonstrate these principles and allow students hands on experience with diagnostics, disassembly, reassembly and repair.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### AGM 211 - Agriculture Construction and Surveying

*Credits - 3 Lecture - 2 Lab - 1*

Surveying, leveling and construction in agricultural applications.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### AGM 221 - Metals and Welding

*Credits - 3 Lecture - 2 Lab - 1*

A basic course in welding using oxyacetylene torches and electric arc welding equipment emphasizing the development of skills and knowledge to safely and effectively accomplish practical repairs and fabrication in agricultural applications.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### AGM 240 - Tractors

*Credits - 2 Lecture - 1 Lab - 1*

This course will acquaint students with agricultural tractors and their systems. Labs will be used extensively to develop student skills in operation and maintenance of tractors. Maneuvering, attaching, detaching, and using implements will be stressed.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### AGM 241 - Agriculture Machinery

*Credits - 3 Lecture - 2 Lab - 1*

Tillage, planting, and harvest equipment used in Eastern Oregon agriculture covering economic factors, operation principles, adjustments, and maintenance of commonly used machines.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGM 250 - Irrigation Systems Design**

*Credits - 3 Lecture - 1 Lab - 1 Other - 1*

This course will develop a student's ability to design drip, low pressure and sprinkler irrigation systems. Horticultural and field crop applications will be emphasized. Systems will be explored from pump to output nozzle. Topics for discussion may include soil-water-plant relations, planning a system, plant water requirements, water supply, pumps, hydraulics of irrigation systems, system types and costs.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGM 251 - Irrigation Systems**

*Credits - 3 Lecture - 2 Lab - 1*

Application of design skills learned in Irrigation Systems Design to actual in-field situations. Field trips will explore different applications of irrigation. Contemporary water issues will be discussed.

Recommended preparation: AGM 250

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 101 - Agriculture Orientation**

*Credits - 1 Lecture - 1*

Students will explore successful learning opportunities available at Blue Mountain Community College and develop plans to successfully complete their program of study. Special review will be given to agricultural program areas. Agriculture department instructors and staff will introduce students to financial aid, the library, and the student service center.

*Term(s) Offered: Fall*

Fulfills the HD 109 Requirement

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 111 - Agriculture Computers**

*Credits - 3 Lecture - 3*

Application of personal microcomputers to farm and ranch situations. Use and evaluation of spread sheets, data bases, and word processing software are covered.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees. Computer Literacy.

## **AGR 200 - Pre-Employment Seminar**

*Credits - 1 Lecture - 1*

A class designed to assist the student in securing employment. Job-hunting techniques, interviewing skills, and the study of job related responsibilities and problems while advancing in a chosen career are major topics covered. A seminar format is used to encourage student participation.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 210 - Agriculture Accounting**

*Credits - 4 Lecture - 4*

Simulation of ranch and farm record keeping including maintaining payroll, depreciation, cash flow and inventory records. Computer spreadsheets are used to assist in analysis of various farm/ranch enterprises.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 211 - Agriculture Business Management**

*Credits - 3 Lecture - 2 Lab - 1*

The study of the four basic assets needed to begin any farm or ranch business. Land, labor, capital, and management are evaluated to ascertain each component's ability to produce maximum economic returns.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 221 - Agriculture Marketing**

*Credits - 3 Lecture - 3*

The complex agriculture marketing process including study of the marketing system, marketing a specific farm commodity, and the importance of organization in marketing agricultural products.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 226 - Agriculture Issues**

*Credits - 3 Lecture - 3*

Students will study current topics causing change in the agricultural industry. Students may research and report on trends as diverse as animal rights, chemicals and foods, land use, water rights, government subsidies, and others.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 280 - Cooperative Work Experience**

*Credits - 1-8*

Offered to agriculture students to work on-the-job in various agricultural fields to gain elective credits from BMCC. Also required in conjunction with several courses in our program.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **AGR 296 - Production Problems**

*Credits - 4 Lecture - 4*

Students will select an area related to agriculture and do a feasibility study or an economic analysis. Currently published figures will be used. The report will contain all information needed to make a justifiable and cost beneficial decision.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 121 - Animal Science**

*Credits - 4 Lecture - 3 Lab - 1*

This course is designed to expose students to the various components of animal science and animal husbandry in the modern livestock industry through discussion, lecture, and hands-on laboratory experiences.

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ANS 122 - Animal Science**

*Credits - 3 Lecture - 2 Lab - 1*

Approved practices in the modern livestock industry. Students gain technical knowledge in livestock reproduction, genetics, and modern breeds. Emphasis is placed upon performing skills commonly used by successful ranchers.

*Term(s) Offered: Winter, Spring*

ANS 121 preferred not required.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 198 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in the animal sciences.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 201 - Introduction to Equine Science**

*Credits - 3 Lecture - 2 Lab - 1*

This course is an introductory course in equine science. The course emphasizes the effects of natural selection on natural and domesticated horses, selection of horses by breed and evaluation of conformation, tack selection and care, nutrition and feed rations, basic handling of horses from the ground, and general health care. Labs will parallel topics in lecture and provide students with practical applications of techniques discussed.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 211 - Animal Nutrition**

*Credits - 4 Lecture - 3 Lab - 1*

Designed to develop an understanding of applied animal nutrition. This course will cover proteins, carbohydrates, lipids, vitamins, minerals, and the use of these nutrients by livestock. Rations will be balanced during the laboratory sessions.

Recommended preparation: ANS 121

Corequisite: AGR 280

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 212 - Animal Nutrition Recitation**

*Credits - 1 Lecture - 1*

This class functions as a help session and a supplement for ANS 211 to enable students to become more proficient in balancing livestock rations. While many students can balance rations quickly and efficiently from the knowledge and skills gained in lecture and labs, others need additional instruction.

Corequisite: ANS 211

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.



## **ANS 216 - Pregnancy Testing/Bovine**

*Credits - 1 Lab - 1*

This course is a "hands-in" course requiring students to pregnancy check a minimum of fifty cows to become proficient. This class has an open lab to accommodate students and give all adequate time to develop a high level of proficiency.

Recommended preparation: ANS 121, ANS 122 and instructor approval.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 217 - Artificial Insemination**

*Credits - 3 Lecture - 2 Lab - 1*

Basic considerations of reproductive physiology and artificial insemination of livestock. Emphasis in the lab is placed on the application of lecture material and developing proficiency in the artificial insemination of cattle.

Recommended preparation: ANS 121 and ANS 122

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 218 - Advanced Artificial Insemination**

*Credits - 1 Lab - 1*

A course where students act as teaching assistants in the class to assure that this "hands-in" activity proceeds properly and safely. A.I. is a technical, difficult task requiring a great deal of practice and supervision to be done properly.

Prerequisite: ANS 217

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 220 - Beef Production**

*Credits - 4 Lecture - 3 Lab - 1*

Designed to enable students to learn proven practices in modern beef production. Students will develop skills which can lead to a successful cattle operation.

*Term(s) Offered: Winter*

Offered in even numbered years. Completion of ANS 121 and ANS 122 recommended but not required.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 222 - Sheep and Swine Production**

*Credits - 4 Lecture - 3 Lab - 1*

Fundamentals of modern sheep and swine production. Students develop skills and learn up-to-date, practical information. Offered in odd numbered years.

Completion of ANS 121 and ANS 122 recommended but not required.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 231 - Livestock Evaluation**

*Credits - 3 Lecture - 2 Lab - 1*

The subject of livestock judging and evaluation is presented in a practical and direct manner. Classroom study of current type and market demand is combined with actual livestock judging experience. Classes of cattle, sheep, swine, and horses will be judged.

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ANS 232 - Live Meat Animal Evaluation**

*Credits - 3 Lecture - 2 Lab - 1*

More fully develops the principles emphasized in the first quarter. More time is spent in actual judging. Oral reasons for many of the classes are required. Students from this class participate on our intercollegiate livestock judging team.

Recommended preparation: ANS 231 or instructor approval.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 233 - Livestock Evaluation/Oral Reasons**

*Credits - 1 Lab - 1*

Oral reasons are given by Livestock Evaluation students to enhance their public speaking ability and to clearly define and justify their placements. This skill is critical to members of the Livestock Judging Team at BMCC. This training is recommended for other students who wish to improve their communication skills.

*Term(s) Offered: Fall*

Completion of or concurrent enrollment in ANS 231 required.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 240 - Animal Health**

*Credits - 5 Lecture - 4 Other - 1*

Disease control as it relates to today's modern livestock operation, including detailed study of health problems in beef cattle and study of horse, sheep and swine diseases. The lab develops student competency in practical and useful animal health skills.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 261 - Introduction to Meat Science**

*Credits- 2 Lecture- 2*

This course is designed to expose students to the various components that make up the study and career field of meat science. Topics will include HACCP (Hazard Analysis and Critical Control Points) plans, ODA (Oregon Department of Agriculture) vs. USDA (United States Department of Agriculture) regulations, muscle chemistry, product safety, and product quality. Students will participate in processing livestock from the live animal to a plate ready product. CWE is required for this course.

*Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ANS 262 - Introduction to Meat Processing**

*Credits- 2 Lecture- 2*

This course is designed to expose students to the various components that will make up the study and career field of processed value added meat products. Topics will include HACCP (Hazard Analysis and Critical Control Points) plans, ODA (Oregon Department of Agriculture) vs. USDA (United States Department of Agriculture) regulations, sausage and jerky, curing and smoking, ingredients, product safety, product quality and labeling. Students will participate in the processing of livestock from the live animal to a plate ready value added product. CWE is required for this course.

*Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CSS 100 - Soils and Fertilizers**

*Credits - 3 Lecture - 2 Lab - 1*

Students will study and evaluate the characteristics of the soil. Soil amendments and fertilizers are reviewed to determine crop requirements.

Plant and soil analysis techniques are studied.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **CSS 101 - Introduction to Precision Irrigated Agriculture**

*Credits - 2 Lecture - 2 Lab - Other -*

Students will be introduced to a wide range of technologies and concepts in precision irrigated ag, including the Global Positioning System (GPS), Geographic Information Systems (GIS), sensors/controllers, industry issues, career opportunities, and cost-benefit comparisons.

Practical application of precision agriculture technology in water management and irrigation systems will be emphasized. Lectures will be delivered to students twice per week at the Pendleton Campus/Hermiston Center for Precision Irrigated Ag. This course has the potential to be offered or co-offered as an online course.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **CSS 109 - Introduction to Precision Agriculture**

*Credits - 2 Lecture - 2 Lab - Other -*

This course will introduce students to a variety of concepts in precision agriculture, including the Global Positioning System (GPS), Global Information Systems (GIS), and various methods of data collection using precision agriculture technology. An emphasis will be placed on development of an academic plan and successful completion of the precision irrigated agriculture degree, including introducing students to financial aid, library and student service center.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **CSS 120 - Irrigated Crops**

*Credits - 3 Lecture - 2 Lab - 1 Other -*

This course introduces students the wide array of irrigated crops grown in Oregon and the Pacific Northwest. General production and management challenges will be discussed for each highlighted crop, including the economics and marketability of the crop. Crops covered may include: potatoes, corn, mint, peas, watermelons, onions, wheat, alfalfa, vineyards and/or orchards. The emphasis and crops covered may shift to meet student interests and needs. Potential applications for precision ag technology will be discussed.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **CSS 122 - Irrigated Crops**

*Credits - 3 Lecture - 2 Lab - 1 Other -*

This course introduces students the wide array of irrigated crops grown in Oregon and the Pacific Northwest. General production and management challenges will be discussed for each highlighted crop, including the economics and marketability of the crop.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **CSS 201 - Principles of Crop Science**

*Credits - 3 Lecture - 3*

Covers the major farm practices used in Eastern Oregon. Major crops used to facilitate learning include wheat, barley, peas, potatoes, and corn. Other crops will be reviewed to determine their adaptability to local climate, soils, and markets.

Corequisite: AGR 280

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **CSS 210 - Forage Crops**

*Credits - 3 Lecture - 3*

Students will study the various crops raised for livestock consumption. Proper planting, maintenance, harvest, and storage techniques, production and economic returns are topics reviewed in detail.

Corequisite: AGR 280

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CSS 220 - Geospatial Data Collection**

*Credits - 5 Lecture - 3 Other - 2*

This course will go into detail on types and methods of field data collection for a spatial analysis and provide students with a solid background in data logging systems, project design, and an introduction to data analysis and map production for agricultural applications. Students will be responsible for identifying a study area, a question or management issue, and the data needed to answer the question as part of a term/team project. Students will learn not only the technical issues of field collection but also critical thinking skills and communication skills.

Prerequisite: MTH 062 or higher and ET 114

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CSS 221 - Agricultural Spatial Analysis**

*Credits - 4 Lecture - 3 Lab - 1*

This course is designed to provide students with a foundation in analyzing spatial data for agricultural applications. Students will process field data, compile reports, and create prescription and application maps. An emphasis will be placed on identifying and interpreting relationships and patterns in yield and other cropping factors.

Prerequisite: ET 114 and CSS 220

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CSS 230 - Precision Irrigation Software**

*Credits - 3 Lecture - 3*

This project-driven course will prepare the student to use various precision agriculture software programs in the irrigation and precision agriculture industry. Lectures will be delivered in person at the Pendleton campus/Hermiston Center for Precision Ag. This course may be offered online.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CSS 240 - Pest Management**

*Credits - 4 Lecture - 4*

Students will study the common pesticides used on today's farms and ranches. Herbicides, insecticides, fungicides, and growth regulators will be reviewed. Methods of application and calibration are taught stressing safety in handling and disposal.

Corequisite: AGR 280

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CSS 241 - Integrated Pest Management**

*Credits - 4 Lecture - 3 Lab - 1 Other -*

This course is designed to provide students with an overview and in-depth background in integrated pest management and resistance management. The course is designed to provide students with tactics to monitor and control insects, diseases and weeds successfully, consistently, and economically throughout their career. Lecture materials may also be made available to students online. Course may fill continuing education credits for ODA applicator's license.

Prerequisite: CSS 240 or Applicators License, MTH 070 or higher

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **HORT 100 - Plant Science**

*Credits - 3 Lecture - 3*

Basic principles of plant science and the environmental factors associated with plant growth and development constitute the core of this course. Agricultural application of plants will be emphasized.

Corequisite: AGR 280

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HORT 111 - Alternative Crop Production**

*Credits - 3 Lecture - 3*

Explores specialty crop production such as seed, berry, fruit, and melon production. Mulch use and drip irrigation will be emphasized. Greenhouse work may also be included.

Corequisite: AGR 280

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **RNG 241 - Range Management**

*Credits - 3 Lecture - 2 Lab - 1*

Plants and domesticated farm animals: the integration of climate, soil, vegetation, and animal factors in the economic management of a range ecosystem.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **UAS 110 - Introduction to Unmanned Aerial Systems**

*Credits - 4 Lecture - 2 Other - 2*

Students will gain a working knowledge of equipment and principles commonly utilized in the different classes of unmanned aerial vehicle systems (UAV's). Discussions will include developing an understanding of the different components and programming associated with a UAV as well as applicable laws, safety, operation and applications. Agricultural applications will be emphasized. Students will be prepared to take the Part 107 certification exam from the FAA.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **UAS 211 - Introduction to Remote Sensing**

*Credits - 5 Lecture - 3 Other - 2*

Students will obtain a working knowledge of the principles of aerial imagery and remote sensing, including: satellites, photography, infrared, thermal sensing, and Lidar with emphasis on understanding and utilizing different types of remote sensors for primarily agricultural applications and objectives.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 101 - Introduction to Veterinary Technology**

*Credits - 2 Lecture - 2*

This course covers the basic laws of veterinary medicine with the emphasis on practical aspects of the veterinary clinic. Topics include: Veterinary medicine and the veterinary health care team careers in veterinary medicine, types of veterinary practices, professionalism in veterinary workplace, the Human-Animal bond, office practices, workplace safety, universal precautions, basic medical terminology, basic

nutrition, basic behavior, veterinary ethics and laws, and breeds on all species.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 102 - Nursing and Restraint**

*Credits - 2 Lecture - 2*

An overview of this course is designed to introduce you to the basic fundamental understanding of animal identification methods, effective restraint techniques for required species, obtain objective patient data, the ability to obtain a thorough patient history, and basic animal behavior.

Prerequisite: VT 101

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 103 - Animal Health Record Systems**

*Credits - 3 Lecture - 3*

This course covers the business and professional aspects of a veterinary practice needed to provide the most professional care not only for the clients but for the animal companion. Topics include: client communications, scheduling, record keeping, confidentiality, financial concerns, stress management, proper logs on compliance with the guidelines.

Prerequisite: VT 101

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 105 - Anatomy and Physiology I**

*Credits - 4 Lecture - 3 Lab - 1*

This course is designed to introduce you to the basic fundamental understanding of animal structure and function appropriate to various animal species. Emphasis is on the skeletal anatomy, nervous system, dentition and locomotion.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 106 - Anatomy and Physiology II**

*Credits - 4 Lecture - 3 Lab - 1*

This course is designed to introduce you to the basic fundamental understanding of the systems of the body. This will have considerable value since understanding of the functions of an animal is important. Topics include: digestive, respiratory, vascular, urinary, endocrine, reproductive, integument and metabolic systems.

Prerequisite: VT 105

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 109 - Introduction to Veterinary Science**

*Credits - 2 Lecture - 2*

Overview of the veterinary assistant's job. This course covers the business of veterinary medicine with emphasis on the practical aspects of front office management. Topics will include: Veterinary medicine and the veterinary health care team, careers in veterinary medicine, types of veterinary practices, professionalism and veterinary workplace, the Human-Animal Bond, Office Practices, Workplace Safety, Universal Precautions, Aseptic Technique, Basic Medical Terminology, Basic Clinical Skills, Basic Nutrition, and Basic Behavior. This will illustrate that the course work is both practical and necessary. Also meets the learning outcomes contained in HD 109

*Term(s) Offered: Fall*

Fulfills the HD 109 Requirement

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **VT 110 - Fundamentals of Veterinary Assistant I**

*Credits - 3 Lecture - 2 Lab - 1 Other -*

This course covers the business of Veterinary medicine with emphasis on the practical aspects of front office management. Topics will include: Veterinary medicine and the veterinary health care team, careers in veterinary medicine, types of veterinary practices, professionalism and veterinary workplace, the Human-Animal Bond, Office Practices, Workplace Safety, Universal Precautions, Aseptic Technique, Basic Medical Terminology, Basic Clinical Skills, Basic Nutrition, and Basic Behavior.

Prerequisite: VT 109

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **VT 111 - Fundamentals of Veterinary Assistant II**

*Credits - 3 Lecture - 2 Lab - 1 Other -*

This course focuses on animal management and production of food animals. Identification and treatment of diseases play a large role in this course. Students will also be introduced to One Health Sciences; occupations that involve animal health on a global level implementing research and surveillance of animal populations.

Prerequisite: VT 110

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **VT 120 - Clinical Lab Procedures I**

*Credits - 4 Lecture - 3 Lab - 1*

This course covers the valuable skills necessary to perform specific laboratory test. Topics include: laboratory instrument and equipment safety and maintenance, handling blood, urine and feces samples, performing a complete blood count, bone marrow examination, blood coagulation tests, urinalyses, normal and abnormal morphology, and parasitology.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **VT 121 - Clinical Lab Procedures II**

*Credits - 4 Lecture - 3 Lab - 1*

This course covers the valuable skills necessary to perform specific laboratory test. Topics include: venipuncture on all required species, catheter care and placement, collection of samples from required species, proper administration of medications, fluid therapy, and bandage, splint and cast application.

Prerequisites: VT 120

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **VT 201 - Anesthesiology**

*Credits - 4 Lecture - 3 Lab - 1*

This course covers the valuable skills necessary to safely and effectively manage and maintain patients in all phases of anesthesia. Topics will include: calculate doses of anesthetic related drugs, administration of anesthetic related drugs, place endotracheal tubes, patient monitoring, evaluate pain management, resuscitation procedures, maintain controlled substance logs, assess patient risk status, and maintain proper record keeping.

Prerequisites: VT 121

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 202 - Veterinary Surgical Assisting**

*Credits - 2 Lecture - 2*

This course covers the fundamental information for the basic knowledge of surgical nursing. Topics include: various surgical procedures and the role the veterinary technician plays in that procedure, aseptic techniques, patient positioning, instrument identification and the proper handling/care of each one, instrument sterilization, identify suture materials, types and sizes, perform basic suturing techniques, and patient post-operative care.

Prerequisites: VT 121

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 204 - Applied Radiology**

*Credits - 3 Lecture - 3*

Overview of the veterinary technician's job in correlation with diagnostic imaging and ultrasound. This course covers the basic functions of a radiograph and an ultrasound machine with the emphasis on practical aspects of the veterinary clinic. Topic will include: radiographs machines, radiographic quality, radiation safety, positioning techniques and the function of an ultrasound machine.

Prerequisites: VT 105 and VT 106

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 205 - Pharmacology**

*Credits - 3 Lecture - 3*

This course covers the information needed for the veterinary technicians to understand the uses of pharmacologic agents and how to calculate the correct doses of those pharmacologic agents. Topics include: routes and techniques of drug administration, practical calculations, drugs used for the nervous, respiratory, cardiovascular, gastrointestinal, endocrine, ophthalmic, otic, and skin systems, and each drug classifications.

Prerequisites: VT 201

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 210 - Small Animal Disease**

*Credits - 3 Lecture - 3*

This course covers the fundamental information for the basic knowledge of small animal diseases and the zoonotic potential. Topics include: transmission, symptoms, diagnosis, and treatment for small animal diseases. Knowledge potential for zoonosis, and take the precautions measures needed to prevent an outbreak.

Prerequisite: VT 106

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 211 - Large Animal Disease**

*Credits - 3 Lecture - 3*

This course covers the fundamental information for the basic knowledge of large animal diseases and the zoonotic potential. Topics will include; route of transmission, symptoms, diagnosis, and treatment for large animal disease of all species. The student will have the knowledge and understanding of all the large animal diseases that have a potential for zoonosis, and take the precautions measures needed to prevent an outbreak.

Prerequisite: VT 210



*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **VT 280 - Cooperative Work Experience**

*Credits - 1-4*

Offered to Vet Tech students to work on-the-job in various agricultural fields to gain elective credits from BMCC. Also required in conjunction with several courses in our program.

*Term(s) Offered: Summer*

## **Apprenticeship**

### **APR 110A - Plumbing Apprenticeship Fundamentals**

*Credits - 4 Lecture - 4*

This course will familiarize the apprentice with a brief history of plumbing laws governing the plumbing trade; materials and methods for installation and maintenance of potable water systems, waste and sewage disposal; the definitions, fundamental rules, purpose and scope of the Uniform Plumbing Code (UPC).

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 110B - Plumbing Apprenticeship Math and Basic Installation**

*Credits - 4 Lecture - 4*

This course covers the practical application of basic math to plumbing calculations and familiarize the apprentice with basic installation practices utilizing the fundamental rules of the Uniform Plumbing Code and on-the-job Occupational Health and Safety requirements.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 110C - Plumbing Apprenticeship Print Reading**

*Credits - 4 Lecture - 4*

This course covers installation practices for potable water, piping materials and methods for installation and maintenance of potable water systems, waste and sewage disposal, the definitions, fundamental rules, purpose and scope of the Uniform Plumbing Code (UPC).

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 110D - Plumbing Apprenticeship Basic Installation**

*Credits - 4 Lecture - 4*

In this course, the apprentice will become familiar with the proper techniques for installing sanitary drainage systems, gas and electric tank type water heaters and tankless water heaters, Uniform Plumbing Code and Occupational Safety and Health Association (OSHA) requirements.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 110E - Plumbing Apprenticeship Occupancy**

*Credits - 4 Lecture - 4*

In this course, the plumbing apprentice will become familiar with advanced levels of blueprint reading and specialty drawings; installation of sewage and drainage systems and further study of installation and safety practices.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 110F - Plumbing Apprenticeship Advanced Waste System**

*Credits - 4 Lecture - 4*

This course will introduce the apprentice to several aspects of the plumbing trade, including the range of materials approved for venting purposes, the raising or lifting of waste materials to the elevation of the building drain by means of sump pumps, sewage pumps and sewage ejectors; the use of traps to prevent dangerous gases from escaping into building; and further study of installation and safety practices. Chapters 9 & 10 of the UPC.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 111A - LMPE Apprenticeship Fundamentals**

*Credits - 4 Lecture - 4*

Related training for the LMPE Electrical Apprentice. Subject area will enable the apprentice to receive the technical knowledge of the skills required of an LMPE Electrician. Context will include trade history and concepts, trade math, basic electrical DC theory, and introduction to National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 111B - LMPE Apprenticeship AC/DC Circuits**

*Credits - 4 Lecture - 4*

Related training for LMPE Electrical Apprentice. The student will receive the technical knowledge of the skills required of an LMPE Electrician. Content will cover mathematical formulas of equations, basic AC theory, use of test equipment and applicable National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 111C - LMPE Apprenticeship Measurement**

*Credits - 4 Lecture - 4*

This course is designed to familiarize the LMPE Electrical apprentice with advanced aspects of electrical theory, math and power distribution along with practical residential wiring and the National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 111D - LMPE Apprenticeship Theory**

*Credits - 4 Lecture - 4*

This course covers related training for the LMPE Electrical Apprentice. The student will receive the technical knowledge of the skills required of an LMPE Electrician. Course content includes the requirements for wiring and installation of electrical devices, transformers, over-current devices, wire devices, hazardous locations, residential calculation and application of the National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 111E - LMPE Apprenticeship Wiring and Print Reading**

*Credits - 4 Lecture - 4*

This course covers related training for LMPE Apprentice. The apprentice will receive the technical knowledge of the skills required of an LMPE Electrician. The content will include requirements for wiring and installation of electrical devices, auxiliary gutters, raceways, fuses and over-current devices, wire devices, hazardous locations, busways, residential calculation and applicable national electrical code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 111F - LMPE Apprenticeship Installation**

*Credits - 4 Lecture - 4*

This course covers the requirements for wiring and installation of electrical devices, auxiliary gutters, raceways, fuses and over-current devices, hazardous locations, busways, residential calculation and applicable National Electrical Code for LMPE electrician apprentices.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 112A - Inside Electrical Apprenticeship Fundamentals**

*Credits - 4 Lecture - 4*

Related training for Inside Wire Electrician Apprentice. Subject area will enable the apprentice to receive the technical knowledge of the skills required of an Inside Wire Electrician. Context will include trade history and concepts, trade math, basic electrical DC theory, and introduction to National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 112B - Inside Electrician Apprenticeship AC/DC Circuits**

*Credits - 4 Lecture - 4*

Related training for Inside Wire Electrician Apprentice. The student will receive the technical knowledge of the skills required of an Inside Wire Electrician. Content will cover mathematical formulas of equations, basic AC theory, use of test equipment and applicable National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 112C - Inside Electrical Apprenticeship Measurement**

*Credits - 4 Lecture - 4*

This course is designed to familiarize the Inside Electrical apprentice with advanced aspects of electrical theory, math and power distribution along with practical residential wiring and the National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 112D - Inside Electrical Apprenticeship Theory**

*Credits - 4 Lecture - 4*

This course covers related training for the Inside Wire Electrical Apprentice. The student will receive the technical knowledge of the skills required of an Inside Wire Electrician. Course content includes the requirements for wiring and installation of electrical devices, transformers, over-current devices, wire devices, hazardous locations, residential calculation and application of the National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 112E - Inside Electrical Apprenticeship Wiring and Print Reading**

*Credits - 4 Lecture - 4*

This course covers related training for Inside Wire Electrical Apprentice. The apprentice will receive the technical knowledge of the skills required of an Inside Wire Electrician. The content will include requirements for wiring and installation of electrical devices, auxiliary gutters, raceways, fuses and over-current devices, wire devices, hazardous locations, busways, residential calculation and applicable national electrical code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 112F - Inside Electrician Apprenticeship Installation**

*Credits - 4 Lecture - 4*

This course covers the requirements for wiring and installation of electrical devices, auxiliary gutters, raceways, fuses and over-current devices, hazardous locations, busways, residential calculation and applicable National Electrical Code for Inside Wire Electrician apprentices.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 114A - PLC Apprenticeship Hardware/Number Systems**

*Credits - 4 Lecture - 4*

This course covers related training for the Programmable Logic Controller (PLC) apprentice to study theory and trade practices. Content includes an introduction to the trade, application, scope requirements, design, development, documentation, troubleshooting, programming, analog interface, and Input/Output concepts needed for understanding PLC's in the workplace.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 114B - PLC Apprenticeship Programming Fundamentals**

*Credits - 4 Lecture - 4*

This course covers related training for Programmable Logic Controller (PLC) apprentices to study theory and trade practices with content focused on input and output modules, creating a modular PLC, processors, introduction to ControlNet/DeviceNet, data organization, and basic relay instructions.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 114C - PLC Apprenticeship Timers, Counters, Controls**

*Credits - 4 Lecture - 4*

This course covers related training for Programmable Logic Controller (PLC) apprentices to study theory and trade practices, the course includes relay instructions, programmable controller input modules, system documenting, timer and counter instructions.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 115A - LME Apprenticeship Fundamentals**

*Credits - 4 Lecture - 4*

Related training for the LME Electrical Apprentice. Subject area will enable the apprentice to receive the technical knowledge of the skills required of an LME Electrician. Context will include trade history and concepts, trade math, basic electrical DC theory, and introduction to National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 115B - LME Apprenticeship AC/DC Circuits**

*Credits - 4 Lecture - 4*

Related training for LME Electrical Apprentice. The student will receive the technical knowledge of the skills required of an LME Electrician. Content will cover mathematical formulas of equations, basic AC theory, use of test equipment and applicable National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 115C - LME Apprenticeship Blueprint Reading**

*Credits - 4 Lecture - 4*

This course covers related training for LME Apprentice. The apprentice will receive the technical knowledge of the skills required of an LME Electrician. The content will include requirements for wiring and installation of electrical devices, auxiliary gutters, raceways, fuses and over-current devices, wire devices, hazardous locations, busways, residential calculation and applicable national electrical code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 117A - IMM Apprenticeship Reading Blueprints and Schematics**

*Credits - 3 Lecture - 3*

This course covers all varieties of blueprints, schematics, and symbols used in commercial and industrial settings. Examines symbols on schematics, electrical symbols, diagrams, hydraulic, pneumatic, and piping. Discusses machine parts and machine drawings. Introduces sketching used in industrial plants including welding and joining symbols.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117B - IMM Apprenticeship Industrial Math/Measurement**

*Credits - 3 Lecture - 3*

This course covers measurement and mathematical basics used in commercial and industrial applications. Examines all aspects of basic measurement concepts and procedures. Explains how to use scales and rules, combination calipers, and micrometers. Examines common fractions and decimals, powers and roots. Moves on to cover geometry, algebra, and formulas for problem solving. Concludes by explaining properties of triangles.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117C - IMM Apprenticeship Metals in the Plant**

*Credits - 1 Lecture - 1*

This course introduces metals, metallurgy, and metalworking used in industry. Discusses the properties of metals, including their mechanical properties. Examines industrial manufacturing processes. Covers iron and standard steels. Explains the different kinds of heat treatment and their usage. Discusses some techniques of working with copper, aluminum, magnesium, titanium, lead, nickel, tin, and zinc.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117D - IMM Apprenticeship Nonmetals in the Plant**

*Credits - 1 Lecture - 1*

This course introduces major nonmetal materials and how they are most frequently used. Describes, properties, characteristics, and classifications of each material. Covers synthetic and natural materials. Examines various paints and coatings, their proper use, preparation, and application. Surveys industrial chemicals. Chemical safety precautions are covered, along with the proper use of protective equipment.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117E - IMM Apprenticeship Hand Tools**

*Credits - 1 Lecture - 1*

This course covers the most important hand tools used in the industrial workplace. The course includes the proper use of measuring tools, including a discussion of units of measurement. Examines the various kinds of wrenches and screwdrivers, their uses and handling techniques. Explains various hand tools by specialty: pipefitting tools, plumbing tools, electrician's tools, sheet metalworking tools, machinists' metal-working tools, hoisting and pulling tools.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117F - IMM Apprenticeship Portable Power Tools**

*Credits - 1 Lecture - 1*

This course explains the uses, selection, safety, and care of industrial power tools: electric drills, electric hammers, pneumatic drills and hammers, screwdrivers, nutrunners, wrenches, linear-motion and circular saws, routers and planes, electric sanders, grinders, and shears. Covers tool sharpening techniques for selected tools.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117G - IMM Apprenticeship Industrial Safety and Health**

*Credits - 1 Lecture - 1*

This course covers government involvement in ensuring a safe workplace. Discusses safety in various situations, personal protective equipment and fire safety. Includes expanded coverage of many health hazards. Covers environmental responsibility and the importance of maintaining a safe work environment.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117H - IMM Apprenticeship Troubleshooting Skills**

*Credits - 1 Lecture - 1*

This course explores the subject of troubleshooting and the importance of proper maintenance procedures. Covers working with others, aids in communication, and trade responsibilities. Outlines troubleshooting techniques and aids, using schematics and symbols. Focuses on specific maintenance tasks, breakdown maintenance, and planned maintenance.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117I - IMM App. Industrial Rigging Principles and Practices**

*Credits - 1 Lecture - 1*

This course covers techniques and safeguards in the use of rope, chain, hoists, and scaffolding when moving heavy plant equipment and maintaining plant utilities.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117J - IMM Apprenticeship Equipment Installation**

*Credits - 1 Lecture - 1*

This course covers installation procedures for large plant equipment. Considers factors affecting proper installation in detail, from preparatory relocation of underground piping and wiring through equipment anchoring, aligning and running tests.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117K - IMM Apprenticeship Basic Mechanics**

*Credits - 1 Lecture - 1*

This course covers force and motion, work and energy, and fluid mechanics as applied in industrial maintenance. Explains principles of operation for simple machines, such as lever, inclined plane, wheel and axle, pulley, and screw. Explains the basic elements of industrial machines, as well as common measurement tools used to monitor and adjust equipment. Covers hand tools, power tools and fasteners, ending with a discussion of ways to reduce friction and wear.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117L - IMM Apprenticeship Lubricants and Lubrication**

*Credits - 1 Lecture - 1*

This course covers force and motion, work and energy, and fluid mechanics as applied in industrial maintenance. Explains principles of operation for simple machines, such as lever, inclined plane, wheel and axle, pulley, and screw. Explains the basic elements of industrial machines, as well as common measurement tools used to monitor and adjust equipment. Covers hand tools, power tools and fasteners, ending with a discussion of ways to reduce friction and wear.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117M - IMM Apprenticeship Power Transmission Equipment**

*Credits - 1 Lecture - 1*

This course covers belt drives, chain drive, gears and gear drives, adjustable-speed drives, shaft alignment, shaft coupling devices, and clutches and brakes.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117N - IMM Apprenticeship Bearings**

*Credits - 1 Lecture - 1*

This course covers principles and applications of various types of bearings, including plain journal, ball, and roller bearings. Explains installation, inspection and repair of bearings. Deals with specialized bearings, including powdered-metal, nonmetallic, and hydrostatic bearings. Covers bearing seals, lubrication, and maintenance practices.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117O - IMM Apprenticeship Pumps**

*Credits - 1 Lecture - 1*

Covers typical applications of various types of pumps. Describes factors affecting pump selection. Explains operating principles of centrifugal, propeller, and turbine, rotary, reciprocating, and metering pumps. Includes special-purpose pumps, diaphragm pumps, and others designed to handle corrosive and abrasive substances. Covers pump maintenance, packing gland, seal, and bearing replacement.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117P - IMM Apprenticeship Piping Systems**

*Credits - 1 Lecture - 1*

Covers piping and tubing systems used for fluid transport in the plant: hydraulic fluids, steam, liquefied product, refrigerant, and water. Shows typical metallic and nonmetallic piping systems, pipe-joining methods, and how tubing and hoses differ from piping. Covers valves, pipe fittings, hangers, supports, and insulation, and shows how tubing is sized, fitted, bent, and joined. Explains uses of traps, filters, and strainers.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117Q - IMM Apprenticeship Basic Hydraulics**

*Credits - 1 Lecture - 1*

This course covers hydraulic principles, types of hydraulic fluids and their characteristics. Describes components of hydraulic systems and their functions; including filters and strainers, reservoirs and accumulators, pumps, piping, tubing and hoses, control valves, and devices. The course also covers a variety of cylinders and hydraulic motors.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117R - IMM Apprenticeship Hydraulic Troubleshooting**

*Credits - 1 Lecture - 1*

This course covers understanding hydraulic systems, using schematic diagrams, installation procedures, cleanliness and safety. Includes tubing cutting, bending, and flaring, identification and selection of proper fluid, and charging the system. Discusses planned maintenance, specific repair/replacement recommendations, system diagnosis, and troubleshooting.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 117S - IMM Apprenticeship Basic Pneumatics**

*Credits - 1 Lecture - 1*

This course covers how work, force, and energy are applied to principles of pneumatics. Explains the operating principles of reciprocating, positive displacement, rotary, and dynamic air compressors. Covers primary and secondary air treatment including; valves, logic, devices, cylinders, and air motors.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 117T - IMM Apprenticeship Pneumatic Troubleshooting**

*Credits - 1 Lecture - 1*

This course covers pneumatic systems, schematic symbols and diagrams, installing system components, planned maintenance, system diagnosis, and troubleshooting. The course also includes maintenance of air compressors, control valves, air motors, electrical components, and hybrid systems.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 117U - IMM Apprenticeship Chemical Hazards**

*Credits - 1 Lecture - 1*

This course covers OSHA'S Hazard Communication Standard and discusses the physical and health hazards presented by dangerous chemicals. The student will also be introduced to the information contained in a Material Safety Data Sheet (MSDS).

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 117V - IMM Apprenticeship Bulk Handling Conveyors**

*Credits - 1 Lecture - 1*

This course covers OSHA'S Hazard Communication Standard and discusses the physical and health hazards presented by dangerous chemicals. The student will also be introduced to the information contained in a Material Safety Data Sheet (MSDS).

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 210G - Plumbing Apprenticeship Residential Installation**

*Credits - 4 Lecture - 4*

This course will introduce the plumbing apprentice to the broad variety of fixtures (tubs, showers, toilets, water heaters etc.) and fixture fittings (faucets, valves, trim, regulators, gauges) found in residential, commercial and industrial building and instruct the apprentice in the Code requirements and industry practices for proper use and installation.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 210H - Plumbing Apprenticeship Commercial Installation**

*Credits - 4 Lecture - 4*

This course will allow the apprentice to master more complex mathematical calculations encountered in the trade; understand the principles of heat transfer and heat retention in connection with water heaters; and understand methods of water treatment as it applies to the Plumbing trade.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 210I - Plumbing Apprenticeship Code**

*Credits - 4 Lecture - 4*

In this course, the Plumbing apprentice will master the concepts and procedures of reading a complete set of plans; basic electricity; installation of storm drains; and the Uniform Plumbing Code as it relates to the Plumbing industry.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 210J - Plumbing Apprenticeship Industrial Installation**

*Credits - 4 Lecture - 4*

In this course the Plumbing apprentice will gain proficiency in; service and maintenance of residential, commercial and industrial plumbing primarily focusing on industrial plumbing installation and repair; and associated Uniform Plumbing Codes for industrial installations.



**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 210K - Plumbing Apprenticeship Basic Waste Water System**

*Credits - 4 Lecture - 4*

This course will enable the Plumbing apprentice to gain proficiency in isometric drawings to depict sizing in water, drainage and gas piping systems; direct, indirect and special waste system; protection of water supply - sources of possible contamination, prevention devices and practices; principles of hydraulics and pneumatic related to plumbing; pump theory - installation and maintenance; developing shop drawings and figuring materials for a job.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 210L - Plumbing Apprenticeship Code and Test Preparation**

*Credits - 4 Lecture - 4*

This course covers the review of the Uniform Plumbing Code designed to assist the apprentice with various aspects of taking and passing the Oregon Plumbing License exam.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 211G - LMPE Apprenticeship Safety and Code**

*Credits - 4 Lecture - 4*

This course covers the technical knowledge of the skills required of an LMPE Electrician. Content will cover applied electrical theory, residential and commercial wiring practices, busways, motor fundamental application National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 211H - LMPE Apprenticeship Motors and Controls**

*Credits - 4 Lecture - 4*

This course will allow the LMPE Electrical apprentice to understand the technical knowledge of the skills required including motors, generators, controls, and applicable National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 211I - LMPE Apprenticeship Fiber Optics**

*Credits - 4 Lecture - 4*

This course covers applied electrical theory, fiber optics, specialty applications, residential and commercial wiring practices, busways, motor fundamentals, and applicable National Electrical Code for electrical installations.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 211J - LMPE Apprenticeship Math/Test Equipment**

*Credits - 4 Lecture - 4*

This course covers related training for LMPE Electrician apprentice. Content includes trade history, safety and first aid, blueprint reading, commercial and residential calculations, wiring methods, related theory and National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 211K - LMPE Apprenticeship Voltage**

*Credits - 4 Lecture - 4*

This course covers a thorough review of the National Electrical Code book. Theory and application of motor controls, solid state fundamentals, special termination, layout, hazardous locations and transformer locations.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 211L - LMPE Apprenticeship Code and Test Prep**

*Credits - 4 Lecture - 4*

This course covers the review of the National Electrical Code designed to assist the apprentice with various aspects of taking and passing the Oregon State Limited Manufacture Plant Electrical License exam.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 212G - Inside Electrical Apprenticeship Safety and Code**

*Credits - 4 Lecture - 4*

This course covers the technical knowledge of the skills required of an Inside Wire Electrician. Content will cover applied electrical theory, residential and commercial wiring practices, busways, motor fundamental application National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 212H - Inside Electrical Apprenticeship Motors and Controls**

*Credits - 4 Lecture - 4*

This course will allow the apprentice to understand the technical knowledge of the skills required including motors, generators, controls, and applicable National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 212I - Inside Electrical Apprenticeship Fiber Optics**

*Credits - 4 Lecture - 4*

This course covers applied electrical theory, fiber optics, specialty applications, residential and commercial wiring practices, busways, motor fundamentals, and applicable National Electrical Code for electrical installations.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 212J - Inside Electrical Apprenticeship Math/Test Equipment**

*Credits - 4 Lecture - 4*

This course covers related training for Inside Wire Electrician apprentice. Content includes trade history, safety and first aid, blueprint reading, commercial and residential calculations, wiring methods, related theory and National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 212K - Inside Electrical Apprenticeship Voltage**

*Credits - 4 Lecture - 4*

This course covers a thorough review of the National Electrical Code book. Theory and application of motor controls, solid state fundamentals, special termination, layout, hazardous locations and transformer locations.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 212L - Inside Electrical Apprenticeship Code and Test Prep**

*Credits - 4 Lecture - 4*

This course covers the review of the National Electrical Code designed to assist the apprentice with various aspects of taking and passing the Oregon State Electrical License exam.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 214D - PLC Apprenticeship Operation**

*Credits - 4 Lecture - 4*

This course covers related training for Programmable Logic Controller (PLC) apprentices to study theory and trade practices content focused on automatic control systems, accuracy, errors, pressure measurement and measurement principles.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 214E - PLC Apprenticeship Troubleshooting**

*Credits - 4 Lecture - 4*

This course covers related training for Programmable Logic Controller (PLC) apprentice to study theory and trade practices with content focused on compensation, temperature measurement, pneumatic principles and control valves, automatic control and troubleshooting the system.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 214F - PLC Apprenticeship Practical Applications**

*Credits - 4 Lecture - 4*

This course covers related training for Programmable Logic Controller (PLC) apprentices to study theory and trade practices with content focused on calibration, errors, control valves, and special programmable controller functions.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 215D - LME Apprenticeship Safety and Code**

*Credits - 4 Lecture - 4*

This course covers the technical knowledge of the skills required of an LME Electrician. Content will cover applied electrical Theory, residential and commercial wiring practices, busways, motor fundamental application National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 215E - LMPE Apprenticeship Motors and Controls**

*Credits - 4 Lecture - 4*

This course will allow the LME Electrical apprentice to understand the technical knowledge of the skills required including motors, generators, controls, and applicable National Electrical Code.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 215F - LME Apprenticeship Code and Test Prep**

*Credits - 4 Lecture - 4*

This course covers the review of the National Electrical Code designed to assist the LME Electrical apprentice with various aspects of taking and passing the Oregon State Limited Maintenance Electrical License exam.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217A - IMM Apprenticeship Maintenance of Mechanical Drives**

*Credits - 1 Lecture - 1*

This course covers mechanical drive alignment, coupling alignment and includes installation and maintenance of mechanical drives, from chain drives to enclosed gear drives.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217B - IMM Apprenticeship Mechanical and Fluid Drive Systems**

*Credits - 1 Lecture - 1*

This course covers further details of drive maintenance, including brakes, clutches, and adjustable-speed drives. APR217B also covers maintenance and troubleshooting of fluid drives and package drive systems.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217C - IMM Apprenticeship Bearing & Shaft Seal Maintenance**

*Credits - 1 Lecture - 1*

This course covers industrial drive maintenance, including brakes, clutches, and adjustable-speed drives. APR217C also covers maintenance and troubleshooting of fluid drives and package drive systems for industrial equipment and machinery.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217D - IMM Apprenticeship Pump Installation and Maintenance**

*Credits - 1 Lecture - 1*

This course introduces the Industrial Maintenance Mechanic apprentice to basic industrial machinery pumping concepts and the required maintenance of packing and seals. APR217D also covers the maintenance and overhaul of centrifugal and rotary pumps.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217E - IMM Apprenticeship Maintenance Pipe Fitting**

*Credits - 1 Lecture - 1*

This course covers components and terminology used in industrial piping systems including measurement and maintenance of threaded, welded and plastic piping systems. APR217E also explains the use of pipefitting accessories, supports, traps, expansion joints, filters and strainers.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217F - IMM Apprenticeship Tubing & Hose System Maintenance**

*Credits - 1 Lecture - 1*

This course covers industrial tubing installation and specifications. APR217F explores the procedures used for handling, bending, cutting and installing tubing in an industrial setting.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217G - IMM Appr Valve Maintenance & Piping System Protection**

*Credits - 1 Lecture - 1*

This course covers components and terminology used in industrial piping systems including measurement and maintenance of threaded, welded and plastic piping systems. APR 217E also explains the use of pipefitting accessories, supports, traps, expansion joints, filters and strainers.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217H - IMM Apprenticeship Force and Motion**

*Credits - 1 Lecture - 1*

This course covers fundamentals of force and motion. APR217H demonstrates how mathematical and graphical representations can help clarify our thinking about mechanical force and motion.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217I - IMM Apprenticeship Introduction to Robotics**

*Credits - 1 Lecture - 1*

This course covers the background for a detailed study of robot maintenance. APR217I introduces the apprentice to the basics of robotics, using clear, easy-to-follow language to take the mystery out of robot technology.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217J - IMM Apprenticeship Welding Principles**

*Credits - 1 Lecture - 1*

This course covers fundamentals of welding, discusses welding safety considerations and precautions. APR217J also covers oxyfuel and arc welding equipment, welding techniques and symbols.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217K - IMM Apprenticeship Oxyfuel Operations**

*Credits - 1 Lecture - 1*

This course covers the welding of ferrous and nonferrous metals. APR217K also introduces the student to oxygen cutting, brazing, soldering, and surfacing techniques.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217L - IMM Apprenticeship Arc Welding Operations**

*Credits - 1 Lecture - 1*

This course covers shielded metal arc welding, selecting electrodes for SMAW, gas metal and tungsten arc welding. APR217L also includes preheating and reheating of metals, welding nonferrous metals, pipe welding, hard facing and rebuild welding.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217M - IMM Apprenticeship Basic Electricity and Electronics**

*Credits - 1 Lecture - 1*

This course covers a basic nonmathematical approach to understanding principles of electricity. APR217M introduces electron theory, static electricity, electrons in motion, and magnetism, including basic methods of measuring current, voltage, and resistance. The course will introduce the student to circuit components-conductors, insulators, resistors, capacitors and simple Ohm's Law calculations for DC and AC circuits.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **APR 217N - IMM Apprenticeship Electrical Safety and Protection**

*Credits - 1 Lecture - 1*

This course examines electrical hazards and stresses the importance of electrical safety when working in an industrial facility. APR217N covers the equipment and procedures necessary to work safely with electricity, including personal protective equipment, lockout/tagout procedures, grounding, fuses, circuit breakers, and motor protection devices and their use.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217O - IMM Apprenticeship How Power Plants Work**

*Credits - 1 Lecture - 1*

This course covers the basic steam generation system, how thermal energy is converted into electrical energy, components of the system, and design features for gaining thermal efficiency. APR217O includes handling of water, fuel, and wastes, and the operating features of a power plant.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217P - IMM Apprenticeship Introduction to Packaging**

*Credits - 1 Lecture - 1*

This course covers the job of packaging mechanic. It provides detail of the major types of packaging machinery including various mechanical drives, couplings, motors, brakes, variable speed drives, clutches, electrical controls, motor starters, event sequencing controls, and packaging.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217Q - IMM Apprenticeship Packaging Machinery**

*Credits - 1 Lecture - 1*

This course covers operating and servicing various types of packaging machinery. APR217Q studies different types of liquid filling machines, positive displacement fillers, filling, sealing machines, as well as volumetric filling machines and blister packaging machines.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217R - IMM Apprenticeship Casing Machinery**

*Credits - 1 Lecture - 1*

This course covers the operating characteristics and service techniques of accessory or auxiliary machines used with packaging lines. APR217R examines general operating characteristics of labeling equipment, uncasing, unscrambling, and cleaning machines. The course concludes by introducing the student to gluing equipment and adhesives, wrapping machines, tying, strapping, stitching machines, and shrink wrap devices.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217S - IMM Apprenticeship Programmable Logic Controllers**

*Credits - 1 Lecture - 1*

This course covers the basic operating principles of all Programmable Logic Controllers PLCs including; inputs and outputs, programming, maintenance, and networking.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **APR 217T - IMM Apprenticeship Machine Shop Practices**

*Credits - 3 Lecture - 3*

This course covers the principles of machining, measurement, tool grinding, and machine shop safety. In addition, APR217T covers the major types of lathes and their attachments, safety, maintenance, job preparation and basic lathe operations.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **Art**

## ART 101 - Introduction to Visual Arts

*Credits - 4 Lecture - 4*

Addresses seeing, experiencing, and appreciating the world through architecture, gardens, fountains, and public spaces. Examines how communities express the values, technology, geography, and economic structure of many different cultures in the light of aesthetic, historic, and critical factors.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ART 102 - Introduction to Visual Arts

*Credits - 4 Lecture - 4*

Addresses painting and sculpture in terms of experiencing, appreciating, and understanding their role in our lives. Art is examined in the light of aesthetic, historic, and critical issues.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ART 103 - Introduction to Visual Arts

*Credits - 4 Lecture - 4*

Addresses issues relating to design in our daily lives including commercial, industrial, crafts, and product design. Examines how design expresses the values, technology, economy, and taste of our culture in light of aesthetic, historic, and critical factors.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ART 115 - Basic Design

*Credits - 4 Lecture - 3 Other - 1*

Introduces two dimensional black and white foundations studio experience centered on creative problem solving. Develops perceptual awareness and understanding. Establishes critical skills and personal artistic vision. Investigates a broad range of materials, techniques and projects to explore black and white design concepts with reference to historical and contemporary perspectives. Basic Design series 115, 116, and 117 may be taken in any sequence.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ART 116 - Basic Design

*Credits - 4 Lecture - 3 Other - 1*

Introduces color foundations studio experience centered on creative problem solving. Develops perceptual awareness and understanding. Establishes critical skills and personal artistic vision. Investigates a broad range of materials, techniques and projects to explore color design concepts with reference to historical and contemporary perspectives. Basic Design series 115, 116, and 117 may be taken in any sequence.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 117 - Basic Design**

*Credits - 4 Lecture - 3 Other - 1*

Explores ways of seeing and creating work that acknowledges personal artistic intentions. Examines various 2-D, 3-D, and 4-D media and processes used to develop and encourage creative problem solving. Establishes critical skills necessary to evaluate art through critiques, discussions, and artistic presentation. Investigates artistic intent, aesthetic and structural solutions, and perceptual awareness. Basic Design series 115, 116, and 117 may be taken in any sequence.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 131 - Beginning Drawing**

*Credits - 4 Lecture - 3 Other - 1*

Explores basic perceptual drawing techniques and tools as well as the development of the language of drawing in historical and contemporary contexts. Introduces critical skills for sighting, measuring, designing and constructing in drawing. This is the first course in a three-course sequence.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 132 - Beginning Drawing**

*Credits - 4 Lecture - 3 Other - 1*

Introduces intermediate drawing techniques and tools as well as the development of the language of drawing in historical and contemporary contexts. Promotes critical skills for sighting, measuring, designing and constructing in drawing. This is the second course in a three-course sequence.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 133 - Beginning Drawing**

*Credits - 4 Lecture - 3 Other - 1*

Builds upon intermediate drawing techniques and tools as well as the development of the language of drawing in historical and contemporary contexts. Applies critical skills for sighting, measuring, designing and constructing in drawing. This is the third course in a three-course sequence.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 154 - Beginning Ceramic Pottery**

*Credits - 4 Lecture - 3 Other - 1*

Introduction to the materials, methods and techniques of pottery design and construction.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 155 - Beginning Ceramic Pottery**

*Credits - 4 Lecture - 3 Other - 1*

An introduction to the materials, methods and techniques of pottery design and construction.



**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 156 - Beginning Ceramic Pottery**

*Credits - 4 Lecture - 3 Other - 1*

An introduction to the materials, methods and techniques of pottery design and construction.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 184 - Beginning Watercolor**

*Credits - 4 Lecture - 3 Other - 1*

Methods, materials, composition, and techniques using aqueous media.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 185 - Watercolor**

*Credits - 4 Lecture - 3 Other - 1*

A course featuring methods, materials, composition, and techniques using aqueous media.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 186 - Watercolor**

*Credits - 4 Lecture - 3 Other - 1*

A course featuring methods, materials, composition, and techniques using aqueous media.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 198 - Special Studies**

*Credits - 1-3*

Individualized study in areas not considered in other courses to meet special interest or program requirements.

Recommended preparation: Prior study and instructor approval.

*Course is repeatable up to 2 times.(2-6 credits total.)* Complete a term project approved by the instructor.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **ART 204 - History of Western Art**

*Credits - 4 Lecture - 4*

This course is a historical survey of the visual arts in the western world from prehistoric times up to the High Renaissance, including ancient Near East, Egypt, Greece, Rome, Early Christian and Byzantine eras, Romanesque, Gothic, Early and High Renaissance.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 205 - History of Western Art**

*Credits - 4 Lecture - 4*

This course is a historical survey of the visual arts in the western world (predominantly Europe) from the 16th Century through the 20th Century. It will include the following styles and developments: Mannerism, 16th Century Painting and Printmaking in Northern Europe, Baroque, Rococo, Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, Fauvism, Expressionism, Cubism, Futurism, Dada, Surrealism, Abstract Expressionism and other 20th century developments.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 231 - Intermediate Drawing**

*Credits - 4 Lecture - 3 Other - 1*

Deepens basic perceptual drawing techniques and tools as well as the understanding of the language of drawing in historical and contemporary contexts. Further develops critical skills for sighting, measuring, designing and constructing in drawing. This is the first in a three-course sequence.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 232 - Intermediate Drawing**

*Credits - 4 Lecture - 3 Other - 1*

Further deepens basic perceptual drawing techniques and tools as well as the understanding of the language of drawing in historical and contemporary contexts. Further develops critical skills for sighting, measuring, designing and constructing in drawing. This is the second in a three-course sequence.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 233 - Intermediate Drawing**

*Credits - 4 Lecture - 3 Other - 1*

Further deepens basic perceptual drawing techniques and tools as well as the understanding of the language of drawing in historical and contemporary contexts. Further develops critical skills for sighting, measuring, designing and constructing in drawing. This is the third course in a three-course sequence.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 254 - Intermediate Ceramic Pottery**

*Credits - 4 Lecture - 3 Other - 1*

A continuation of ART 154 in the introduction to the materials, methods and techniques of pottery design and construction at the intermediate level.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 255 - Intermediate Ceramic Pottery**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential continuation of ART 155 in the introduction to the materials, methods and techniques of pottery design and construction at the intermediate level.

Prerequisite: ART 154

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 256 - Intermediate Ceramic Pottery**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential continuation of ART 156 in the introduction to the materials, methods and techniques of pottery design and construction at the intermediate level.

Prerequisite: ART 154 or ART 155

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 261 - Beginning Photography**

*Credits - 4 Lecture - 3 Other - 1*

Black and white photographic processes and techniques; development of camera and darkroom skills; seeing photographically.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 262 - Digital Photo Imaging**

*Credits - 4 Lecture - 3 Other - 1*

Studio course introducing the concepts, techniques, practices, aesthetics, and ethics of photographic imaging and image making with digital technologies. Includes experimentation with the camera and the digital darkroom. Methods include capturing, color correcting and balancing, retouching, layering, masking, composition, and output for printing or digital media presentation.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 263 - Beginning Photography**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course continuing to introduce and reinforce the concepts, techniques, practices, aesthetics, and ethics of photographic imaging and image making with digital technologies. Includes experimentation with the camera and the digital darkroom. Methods include capturing, color correcting and balancing, retouching, layering, masking, composition, and output for printing or digital media presentation.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 264 - Intermediate Photography**

*Credits - 4 Lecture - 3 Other - 1*

Intermediate black and white photographic processes and techniques; further development of camera and darkroom skills; seeing photographically.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 265 - Intermediate Photography**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course continuing the intermediate black and white photographic processes and techniques; further development of camera and darkroom skills; seeing photographically.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 266 - Intermediate Photography**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course continuing the intermediate black and white photographic processes and techniques; further development of camera and darkroom skills; seeing photographically. Instructor approval required.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 276 - Beginning Sculpture**

*Credits - 4 Lecture - 3 Other - 1*

A hands-on introduction to studio sculpture through exploring various styles, techniques, and materials of three-dimensional artistic creation. Experiences also include mold making and casting.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 277 - Beginning Sculpture**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course featuring the hands-on introduction to studio sculpture through exploring various styles, techniques, and materials of three-dimensional artistic creation. Experiences also include mold making and casting.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 278 - Beginning Sculpture**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course featuring the hands-on introduction to studio sculpture through exploring various styles, techniques, and materials of three-dimensional artistic creation. Experiences also include mold making and casting.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 281 - Beginning Painting**

*Credits - 4 Lecture - 3 Other - 1*

A hands-on studio introduction to painting in either oils or acrylic. Exploration in many techniques, styles, and subjects. Includes information on color theory and beginning paint mixing procedures.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ART 282 - Beginning Painting**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course featuring hands-on studio introduction to painting in either oils or acrylic. Exploration in many techniques, styles,

and subjects. Includes information on color theory and beginning paint mixing procedures.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 283 - Beginning Painting**

*Credits - 4 Lecture - 3 Other - 1*

A hands-on studio introduction to painting in either oils or acrylic. Exploration in many techniques, styles, and subjects. Includes information on color theory and beginning paint mixing procedures.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 284 - Intermediate Painting**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course featuring hands-on studio introduction to painting in either oils or acrylic. Exploration in many techniques, styles, and subjects. Includes information on color theory and beginning paint mixing procedures.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 285 - Intermediate Painting**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course featuring hands-on studio introduction to painting in either oils or acrylic. Exploration in many techniques, styles, and subjects. Includes information on color theory and beginning paint mixing procedures.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 286 - Intermediate Painting**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course featuring hands-on studio introduction to painting in either oils or acrylic. Exploration in many techniques, styles, and subjects. Includes information on color theory and beginning paint mixing procedures.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 291 - Intermediate Sculpture**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course continuing the ART 278 skills at the intermediate level featuring the hands-on introduction to studio sculpture through exploring various styles, techniques, and materials of three-dimensional artistic creation. Experiences also include mold making and casting.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 292 - Intermediate Sculpture**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course continuing the ART 278 skills at the intermediate level featuring the hands-on introduction to studio sculpture through exploring various styles, techniques, and materials of three-dimensional artistic creation. Experiences also include mold making and casting.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 293 - Intermediate Sculpture**

*Credits - 4 Lecture - 3 Other - 1*

A non-sequential course continuing the ART 278 skills at the intermediate level featuring the hands-on introduction to studio sculpture through exploring various styles, techniques, and materials of three-dimensional artistic creation. Experiences also include mold making and casting.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ART 298 - Special Studies**

*Credits - 1-3*

Advanced, individualized study in areas not considered in other courses to meet special interests or program requirements.

*Course is repeatable up to 2 times.(2-6 credits total.)* Complete a term project approved by the instructor.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Business & Leadership**

### **BA 101 - Introduction to Business**

*Credits - 4 Lecture - 4*

This course introduces the student to the ever changing world of business. It will cover The U.S. Business Environment, Business Ethics, Management, Business Organization, Motivating Employees, HR Management, Marketing, and the role of Accountants and Accounting Information in Business.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 104 - Business Mathematics**

*Credits - 4 Lecture - 4*

A study of banking applications, fractions, percentages, payrolls, commissions, trade and cash discounts, markup, simple interest, notes and interest variables, and charges for credit.

Prerequisite: MTH 025

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BA 110 - Database/MS Access**

*Credits - 3 Lecture - 2 Other - 1*

Basic application and utilization of MS Access database software to solve business computing problems. Focus will include designing and

building a database, applying queries, creating reports, using forms, and advanced printing.

Recommended preparation: BA 131 and BT 120 - Changed Title

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BA 111 - Basic Accounting**

*Credits - 4 Lecture - 3 Other - 1*

Provides a basic understanding of debits and credits and financial statements for service enterprises and merchandising businesses.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BA 131 - Introduction to Business Computing**

*Credits - 4 Lecture - 3 Lab - 1*

General orientation to computer operations and literacy, along with an insight into the broad impact of computers and their uses in today's society. The fundamentals of using the Microsoft Windows operating system, email, web browsers, word processing, spreadsheets, and databases will be developed through hands-on use in the computer lab.

Recommended preparation: BT 120

*Term(s) Offered: Fall, Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. Computer Literacy.

## **BA 155 - Introduction to Fraud Examination**

*Credits - 3 Lecture - 3*

An introduction to how and why occupational fraud is committed, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BA 177 - Payroll Accounting**

*Credits - 4 Lecture - 3 Other - 1*

Introduction to personnel and payroll records, including all current federal and state payroll taxes. Provides ample practice in preparation of payroll records by hand and by using a computerized payroll accounting software.

Recommended preparation: Accounting class

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BA 198 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in business areas.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **BA 206 - Principles of Management**

*Credits - 4 Lecture - 4*

The Principles of Management course introduces students to management philosophies in today's changing world. It includes globalization, ethics, diversity, customer service, and innovation from a managerial perspective.

Prerequisite: WR 060 or WR 099

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 209 - Accounting Applications/QuickBooks**

*Credits - 3 Lecture - 2 Other - 1*

The completion of this course will give students an additional skill to take to the business community. The students will develop confidence in recording business transactions using an up-to-date software program designed for small to mid-size businesses. Students will record information that pertains to a service business, including recording transactions, preparing a multitude of reports, closing an accounting period, compiling charts and graphs, and preparing the payroll. Students will also learn to integrate the information with Microsoft Excel and Word programs.

Recommended preparation: Accounting class with a "C" or better.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BA 211 - Principles of Accounting**

*Credits - 4 Lecture - 3 Other - 1*

An introduction to the field of accounting including: the role of accounting in business, the accounting cycle, the preparation and use of financial statements, analyzing financial statement, principles of internal control, and the components of assets, liabilities and equity.

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 212 - Principles of Accounting**

*Credits - 4 Lecture - 3 Other - 1*

A continuation of BA211 with Emphasis on Accounting Principles, Partnerships, and Corporations.

Prerequisite: BA 211

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 213 - Principles of Accounting**

*Credits - 4 Lecture - 3 Other - 1*

Introduction to accounting including techniques of account construction, preparation of financial statements, application of accounting principles to practical business problems, and proprietorship studies with emphasis on managerial accounting.

Prerequisite: BA 211

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 214 - Business Communications**

*Credits - 4 Lecture - 4*

The purpose of this course is to help students develop skills to write clean, concise business correspondence and to enter the job market with knowledge of the appropriate skills. The course will emphasize skills applicable to both the job search and on-the-job skills.

Prerequisite: WR 121

*Term(s) Offered: Fall*

(BT 121 or typing/word processing skills strongly recommended)

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 223 - Principles of Marketing**



#### *Credits - 4 Lecture - 4*

In this courses, students will learn about the marketing process and the range of marketing decisions required for a company to sell products and services. The course explores the factors influencing how marketing decisions are made, including the impact of marketing decisions on an organization and its customers. Students gain a working knowledge of practical marketing and business vocabulary. Additionally, students analyze today's global, highly competitive marketplace and evaluate influences on marketing decisions.

Prerequisite: WR 060 or WR 099

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 224 - Human Resources Management**

#### *Credits - 3 Lecture - 3*

In this course, students will be introduced to human resources management and its role as a central function of any company in strategic planning and talent management. The course explores equal employment opportunity laws, recruitment and selection, training and development, appraising and compensation, and employee rights and safety. Additionally, students will use the knowledge gained each week, along with their personal experiences, to better understand the "real world" of human resources management.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BA 226 - Business Law**

#### *Credits - 4 Lecture - 4*

This course provides students with a survey of the principal areas of business law. It explores the relationship between business and law with respect to the following topics: torts, crimes, intellectual property, contracts, agency, employment, and forms of business organization. Students also explore the relationship between business and law with respect to ethics and social responsibility, government regulation, personal property, real property, and international trade. Students gain a working knowledge of practical rules of law and legal terminology, as well as legal solutions for business-related issues.

Prerequisite: WR 060 or WR 099

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 230 - Spreadsheets/MS Excel**

#### *Credits - 4 Lecture - 3 Lab - 1*

The study and application of the Microsoft Excel program used to enter, analyze, and present quantitative data to solve business computing problems. Focus will include developing and editing a workbook, changing and enhancing worksheet formats, using templates, creating formulas and functions, creating charts, analyzing data with pivot tables and what-if analysis tools, and advanced print settings.

Prerequisite: BA 131

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BA 233 - Accounting for Managers**

#### *Credits - 4 Lecture - 4*

Accounting for Managers is designed to provide the non-financial manager with an understanding of accounting and the manner in which it can be used to make financial decisions. Topics covered include: financial statement preparation; basic accounting concepts like debit/credit, journal entries, and t-accounts; Excel spreadsheet preparation; measuring and reporting accounting data; analyzing and interpreting accounting information; cost behavior and analysis; budgeting; and relevant cost analysis.

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **BA 249 - Retail Selling**

*Credits - 3 Lecture - 3*

In this course, students will be introduced to retail management, strategic planning, situational analysis, and objectives. The course explores store location, merchandising, products, pricing, and the importance of principles and practices that involve financial, operational, and human resource management as they relate to the retail environment. Additionally, students will use the knowledge gained each week, along with their personal experiences, to better understand the "real world" of retail management.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BA 277 - Business Ethics**

*Credits - 3 Lecture - 3*

Ethical aspects and practices of business and professional organizations and their employees including a brief introduction to traditional theories of ethics.

Prerequisite: WR 060 or WR 099

*Term(s) Offered: Spring*

**Course Designation:** Human Relations

## **BA 280 - Cooperative Work Experience**

*Credits - 1-8*

Cooperative Work Experience (CWE) provides a real-world experience in the business work environment. The CWE site should be related to the student's degree program in order to provide an authentic on-the-job work experience. Students must complete 33 hours of work for each credit. A maximum of 12 credits may be earned and applied towards a degree; the number of CWE credits required varies by degree or certificate program. CWE students may earn both pay and college credit for these work-related activities.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **BA 284 - Pre-Employment Seminar**

*Credits - 2 Lecture - 2*

This course is designed to assist the student in résumé and cover letter preparation, interviews, application forms, employment searches, and helpful techniques in obtaining, holding, and advancing in a job. Students will assess knowledge, skills, and abilities as they relate to employment. Students will conduct an informational interview.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BA 285 - Human Relations in Business**

*Credits - 3 Lecture - 3*

This course is designed for students to develop effective human relations in the workplace. Topics will include achieving a deepened sense of self-awareness, an awareness of others, interpersonal communication skills, motivation, diversity, and organizational politics.

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. Human Relations.

## **BA 298 - Special Studies**

*Credits - 1-3*

Provides interested and capable students the opportunity to study special topics in the field of business.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **BT 116 - Professional Office Procedures**

*Credits - 4 Lecture - 4*

This course will provide an overview of business etiquette, interoffice relations, business customs, routines, tasks and procedures, self-appraisal and careers in the electronic office. The readings, homework, and assignments in this course will focus on knowing yourself, your skills, and what you need to learn. Throughout this course, you will be creating a professional development notebook (about you) and a job notebook (about job tasks).

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BT 120 - Computer Keyboarding**

*Credits - 2 Other - 2*

This beginning keyboarding course is designed to engage the student with the QWERTY keyboard using computer software. The major objectives are: 1) to develop mastery of the alphabetic, numeric, and symbol keys using proper keying techniques and 2) to increase speed and accuracy. This beginning keyboarding course is designed to engage the student with the QWERTY keyboard using computer software. The major objectives are: 1) to develop mastery of the alphabetic, numeric, and symbol keys using proper keying techniques and 2) to increase speed and accuracy.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BT 121 - Document Processing I**

*Credits - 4 Lecture - 3 Other - 2*

This course is designed for the beginning student. The major objectives of this course are to develop touch control of the keyboard and proper typing techniques, build basic speed and accuracy skills, and provide practice in applying those basic skills to the production of letters, reports, tables, memos, forms, and other kinds of personal, personal-business, and business communications.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BT 140 - Business Document Editing**

*Credits - 3 Lecture - 2 Other - 1*

Review of grammar and proofreading skills needed in preparing business documents using word processing software and equipment.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BT 201 - Word Processing/MS Word**

*Credits - 3 Lecture - 2 Other - 1*

Microsoft Word is a word processing program that makes it easy to create a variety of professional-looking documents, from simple letters and memos to newsletters, research papers, Web pages, and various business documents. This course is designed for the beginning MS Word user. Students will gain the following course objectives through practical lab applications.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BT 206 - Desktop Publishing**

*Credits - 3 Lecture - 2 Other - 1*

Advanced training in the use of word processing software. Various business documents are produced using advanced procedures to do more complex merges, text columns, tables with math, macros and graphics as well as editing and formatting using multiple documents in Windows.

*Term(s) Offered: Spring*

Previous experience in application software strongly recommended.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BT 251 - Medical Terminology**

*Credits - 3 Lecture - 3*

This course is an overview of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations and symbols are included in the content. A programmed learning, word-building system is used to learn word parts that are used to construct or analyze new terms. Emphasis is placed on spelling, definition, usage, and pronunciation.

*Term(s) Offered: Fall, Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BT 252 - Medical Terminology**

*Credits - 3 Lecture - 3*

This course presents a continued study of medical terminology based on medical word building principles. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, and abbreviations are included in the content. Additionally, anatomy and physiology, pathology, diagnostic, symptomatic and therapeutic terms, diagnostic and lab tests and procedures, surgical procedures, and pharmacology terms are incorporated into the course. Emphasis is placed on correct spelling, definition, usage, and pronunciation.

*Term(s) Offered: Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BT 256 - Electronic Health Records**

*Credits - 3 Lecture - 3*

The purpose of this course is to introduce the student to the principles of electronic health records with an emphasis on computerized medical billing, health care data collection, storage, retrieval, security arrangement, presentation, and verification. This course will also introduce the components and requirements of the electronic health record. Course is for Administrative Office Professional: Medical Option (AAS) to replace BT253 Medical Transcription, a course that will be moved to inactive.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BT 257 - Medical Office Procedures**

*Credits - 4 Lecture - 3 Other - 1*

This course provides learners with the knowledge and skills necessary for career success in administrative medical assisting.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BT 258 - Medical Insurance Procedures and Coding**

*Credits - 3 Lecture - 3*

This covers medical insurance records management for private health and accident insurance, Medicare, Medicaid, Workers' Compensation. It emphasizes abstracting information from health records for billing and transfer forms.

Prerequisite: BT 251, BT 252 and WR 060 or Placement score of 63 or over

*Term(s) Offered: Spring*

Includes use of CPT and ICD-10

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **BT 259 - Medical Billing and Coding**

*Credits - 4 Lecture - 4*

Students will learn how to assign medical codes to provider services in medical facilities using the Current Procedural Terminology manual and patient diagnoses using the International Classification of Diseases manual. Students will abstract information from patient records and combine it with coding guidelines to optimize physician, hospital, and outpatient service payments. Course is for Administrative Office Professional Medical Option (AAS) to replace BT254 Medical Transcription that will be moved to an inactive course.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **BT 290 - Integrated Office Systems**

*Credits - 3 Lecture - 2 Other - 1*

This is a capstone course which will present students with a variety of challenges. Students will complete complex business software projects similar to those in today's technologically advanced workplace. The course includes a simulated office experience for students in a practical application of skills and concepts acquired in business courses. Tasks will integrate the Microsoft Office software, file management, problem solving, decision making, following directions, and teamwork.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HTM 100 - Hospitality and Tourism Industry**

*Credits - 3 Lecture - 3*

Introduces the hospitality industry as a single, interrelated industry composed of food and beverage, travel and tourism, lodging, meeting and planning events, recreation and leisure, recreational entertainment, and eco and heritage tourism.

Prerequisite: WR 060

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HTM 105 - Food and Beverage Industry**

*Credits - 3 Lecture - 3*

This course covers the food service industry including its structure, organization, size, economic impact, regulatory industries, and peripheral industries; managerial problems and practices; and trade journals and resources. Reviews food service segments. Discusses current industry operational topics.

Prerequisite: WR 060 and either BA 104 or MTH 025

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HTM 130 - Beverages**

*Credits - 3 Lecture - 3*

This course focuses on cost control, inventory management, and pricing systems required for restaurant and food service operations. It discusses customer demographics shifts, and beverage trends and the importance of responsible alcohol beverage service. It covers wine and beer appreciation, including regional differences, production methods, and upscale product features of distillates. It incorporates beverage mixology, marketing, and profit management.

Prerequisite: WR 060 and either BA 104 or MTH 025

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HTM 131 - Customer Service Management I**

*Credits - 3 Lecture - 3*

This course provides an in-depth study of the methods and techniques employed by the hospitality and tourism industry to accomplish effective and efficient customer service operation. Includes combined discussions of management theory, systems, decision-making, and leadership directly relevant to any profession with emphasis on the hospitality industry. Also covers the business facets of human resource management, finance, ethics, and total quality management with a business environment.

Prerequisite: WR 060

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HTM 224 - Catering Operations**

*Credits - 3 Lecture - 3*

This course will study on-premise catering facilities, including operations, sales, and relationships with outside vendors and related departments and industries. Emphasizes logistical operations and seeking and servicing various market segments.

Prerequisite: Either WR 060 or WR 099 and MTH 025 and HTM 105

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HTM 226 - Event Management**

*Credits - 3 Lecture - 3*

The primary focus of this course is to introduce students to the management and operations of the meeting, convention and events of the hospitality and tourism industry. Students can expect to gain an understanding of what it takes to effectively plan and execute an event or function.

Prerequisite: Either BA 104 or MTH 025 and WR 060 or WR 099

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **LD 101 - Student Success: Career Choices**

*Credits - 3 Lecture - 3*

This course is an interdisciplinary curriculum that engages students and teachers interactively in the learning process. Content provided will assist students in developing the knowledge, skills, abilities, and attitudes to be successful with their lives and careers. The course will encourage students to examine their lives, explore vast career and educational options, and develop long-term goals that will help them reach their career goals.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **LD 110 - Your Professional Development Plan**

*Credits - 1 Lecture - 1 Lab - Other -*

This course covers personal assessment, developing leadership and workplace skills, and basic etiquette, communication, and time management. Upon completion of this course, students will have a professional development action plan and improved interpersonal skills. Topics include: self-assessments, goal setting, business etiquette, communication, and time management.

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **LD 130 - Building a Team**

*Credits - 1 Lecture - 1 Lab - Other -*

This course covers the fundamentals of team building within the business environment in a global society. Topics include: types and roles of teams in today's business world, stages of team development, interpersonal dynamics, group environment, and communication.

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. If using this course to fulfill a Human Relations requirement, students must complete LD130, LD133 and LD211 to fulfill the 3 credit hours required for Human Relations. Human Relations

## **LD 131 - Leading and Motivating a Team**

*Credits - 1 Lecture - Lab - Other -*

This course covers concepts useful for leading and motivating team members. Topics include servant leadership, followership, values, ethics, and empowerment.

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **LD 132 - Team Processes**

*Credits - 1 Lecture - 1 Lab - Other -*

This course covers concepts related to team processes such as conducting efficient meetings, brainstorming, and decision making. Topics include creating agendas and meeting minutes, multi-voting and nominal group technique, and process mapping.

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **LD 133 - Workplace Culture**

*Credits - 1 Lecture - 1 Lab - Other -*

This course is an introduction to the modern work environment. Topics include common courtesies, work ethic, workplace etiquette, and workplace culture.

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. If using this course to fulfill a Human Relations requirement, students must complete LD130, LD133 and LD211 to fulfill the 3 credit hours required for Human Relations. Human Relations

### **LD 150 - Cultivating Self-Care**

*Credits - 1 Lecture - 1 Lab - Other -*

This course is designed to help leaders learn the signs of burnout and stress as well as ways to create a functional work-life balance and maintain a healthy lifestyle. Topics include work-life balance, creativity, nutrition, sleep, and social networking

*Term(s) Offered: Summer*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **LD 190 - Your Financial IQ**

*Credits - 1 Lecture - 1*

The class will cover the basics of managing money such as budgeting, controlling expenses, understanding interest rates, compounding of interest, rates of return. We will also cover each week a different topic such as bank accounts, credit cards, loans, mutual funds, stock market, retirement accounts and real estate.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **LD 201 - Student Success II**

*Credits - 3 Lecture - 3*

The course will provide students the knowledge, skills, and attitudes required to explore educational and occupational options. Students will research educational and occupational options, create professional resumes and job-search portfolios, and develop goal-oriented plans.

*Term(s) Offered: Summer*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **LD 211 - Ethics in Action**

*Credits - 1 Lecture - 1 Lab - Other -*

This course covers ethics in the workplace and allows students to learn different methods of making ethical decisions. Topics include

definitions of ethics, personal values, responsibility, ethical frameworks, and cultural differences.

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. If using this course to fulfill a Human Relations requirement, students must complete LD130, LD133 and LD211 to fulfill the 3 credit hours required for Human Relations. Human Relations

## **LD 212 - Preparing for Presentations**

*Credits - 1 Lecture - 1 Lab - Other -*

This course covers the fundamentals of giving a personal presentation to a group of people. Topics include determining the audience, using visual aids, organizing and writing the presentation, self-confidence, and public speaking.

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **LD 215 - Emotional Intelligence**

*Credits - 2 Lecture - 2 Lab - Other -*

This course is an introduction to emotional intelligence. Students will assess their level of emotional intelligence and learn how to improve. Topics include killer statements, triggers, building trust, gaining confidence, and building relationships.

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **LD 225 - Social Intelligence**

*Credits - 2 Lecture - 2 Lab - Other -*

This course is an introduction to social intelligence. Students will assess their level of social intelligence and learn how to improve. Topics include social dynamics, conflict, non-verbal communication, authenticity, empathy, and trust.

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **LD 288 - Practicing Leadership Through Service Learning**

*Credits - 1 Lecture - 1 Lab - Other -*

This course allows leaders to develop skills as servant leaders by performing service learning within their local communities. Topics include history of leadership, schools of leadership, and service learning.

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Communication**

### **COM 100 - Human Communication**

*Credits - 4 Lecture - 4*

An introductory course that focuses on the process and functions of communication in interpersonal, small group, interview, mass, and intercultural contexts. Emphasis is placed on helping the student increase his/her competence as a communicator in each of these contexts.

Recommended preparation: WR 060

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. Human Relations

### **COM 111 - Public Speaking**



*Credits - 4 Lecture - 4*

Fundamentals of preparation and presentation of oral discourse. Emphasis is on informative speaking, and also in-depth introduction to classical rhetorical concepts of persuasive speaking.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **COM 112 - Small Group Communication**

*Credits - 4 Lecture - 4*

Fundamentals of preparation and presentation of oral discourse. Emphasis is on development of skills in group discussions and group problem-solving techniques. Introduction to argumentation.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Human Relations.

## **COM 115 - Intercultural Communication**

*Credits - 4 Lecture - 4*

An introductory course that focuses on the impact of culture on the communication process. Emphasis is placed on both understanding cultural diversity and enhancing communication effectiveness in various intercultural contexts.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Human Relations. Cultural Awareness.

## **COM 237 - Gender and Communication**

*Credits - 3 Lecture - 3*

This course focuses on the similarities and differences in male and female communication styles and patterns. Particular attention is given to the implications of gender as social construct upon perception, values, stereotypes, language use, nonverbal communication and power and conflict in human relationships. Discusses influences of mass communication upon shaping and constructing male and female sex roles.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. Cultural Awareness.

## **Criminal Justice**

### **CJ 100 - Introduction to Criminal Justice**

*Credits - 3 Lecture - 3*

This course will provide an overview of the types and purpose of law as well as the nature and extent of crime in American society. The focus is on introducing the student to the history, philosophy, and social development of police, courts, and corrections in the United States as a legal response to criminal behavior.

Prerequisite: WR 060 or placement

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **CJ 109 - Careers in Criminal Justice**

*Credits - 3 Lecture - 3*

This course is designed to assist students in identifying potential local, state, and federal career opportunities in the criminal justice system, including law enforcement, courts, and corrections. Students will become familiar with the educational requirements, lifestyle considerations,

application processes, testing, screening, training, and certification requirements of employment in the field of criminal justice. Students will solidify their academic plan and prepare a personal career plan based on their goals. Students are strongly encouraged to take this course concurrently or immediately after CJ 100. Course is also an accepted alternative to HD 109

*Term(s) Offered: Fall, Winter*

Fulfills the HD 109 Requirement

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs. Computer Literacy.

## **CJ 110 - Police Systems and Practices**

*Credits - 3 Lecture - 3*

This course provides an overview and analysis of the American system of law enforcement, examining the origins, development, roles, and operations of policing in a modern democratic society. The focus is on students developing a detailed understanding of law enforcement principles and practices and technological advances in policing.

Prerequisite: WR 060 or placement

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 120 - American Court Systems and Practices**

*Credits - 3 Lecture - 3*

This course will introduce students to the role of the judiciary in the criminal justice system by examining the structure and function of both federal and state courts systems in the United States. Topics include jurisdiction, venue, roles of court participants, due process and post arrest procedures employed in adjudication, the grand jury process, types and rules of evidence, sentencing concepts, and appellate review.

Prerequisite: WR 060 or placement

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 130 - Correctional Systems and Practices**

*Credits - 3 Lecture - 3*

This course introduces the corrections process, including historical development, current practices, and future considerations of corrections. The course will identify the subcomponents of corrections, variations in correctional institutions, levels of custody, administrative practices, correctional staff roles and responsibilities, institutional policies, procedures, and programs. The course also covers changing inmate demographics, special needs inmates, safety and security concerns, and alternatives to imprisonment.

Prerequisite: WR 060 or placement

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 132 - Probation and Parole: Systems and Practices**

*Credits - 3 Lecture - 3*

This course provides an overview of community-based corrections, focusing primarily on probation and parole processes, and how each function plays an integral role in the criminal justice system. Topics addressed include the historical and philosophical foundations of probation and parole, evidence-based best practices in the management of reducing risk in the community and the administration of probation and parole services at the federal, state, and local levels.

Prerequisite: WR 060 or placement

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 198 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in criminal justice.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 200 - Theories of Crime and Delinquency**

*Credits - 3 Lecture - 3*

This course is an in-depth analysis of major theories of crime and delinquency from various sociological, psychological, and biological perspectives. The course will also examine how criminal acts are measured, the development of criminal careers, the various typologies of offenders and victims, and a critical analysis of public policies concerning crime prevention and control in a democratic society.

Prerequisite: WR 060 or placement

*Term(s) Offered: Fall*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 201 - Juvenile Justice**

*Credits - 3 Lecture - 3*

This course gives students an overview of the American juvenile justice system, in terms of both philosophy and practice. It examines the nature, extent, and causes of juvenile delinquency, the juvenile adjudication process, and juveniles remanded to the adult criminal justice system. This course also looks at institutionalization, rehabilitation, the treatment of juveniles, and the future of juvenile justice in America.

Recommended: CJ 100

Prerequisite: WR 060 or placement

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 204 - Behavioral Cognitive Processes**

*Credits - 4 Lecture - 3 Other - 1*

This course is designed to provide an understanding of cognitive processes to changing offender behavior, its role and application with offenders in correctional programming (rehabilitation and recidivism) and how it can effect criminal behavioral change.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 205 - Victimology**

*Credits - 3 Lecture - 3*

This course examines the relationship between victims of crime, the perpetrators, and the criminal justice system. Topics include the following: an analysis of victimization patterns and characteristics; the role of victims in the adjudication process; the complexities of victim - offender relationships; remedies to victimization such as prevention, legislation, restorative justice, treatment, and restitution; international aspects of victimology; and, future directions for victimology as a field of study. Several victim typologies will be addressed.

Recommended: CJ 100

Prerequisite: WR 060 or placement

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 210 - Police and Community**

*Credits - 3 Lecture - 3*

This course examines proactive community-oriented policing and problem solving in the context of changes in law enforcement agencies and communities. This course provides a comprehensive view of how police agencies are changing their management style, organizational structures, and operational strategies in an era of changing community needs, citizen expectations, legal restraints, advancing technology, advocacy groups, and special populations.

Recommended: CJ 100 and CJ 109

Prerequisite: WR 060 or placement and CJ 110

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 212 - Criminal Investigation**

*Credits - 3 Lecture - 3*

This course covers the fundamentals of criminal investigation including the gathering of investigative information from victims and witnesses, the search and recording of crime scenes, and the principles involved in collecting and preserving physical evidence. There is a strong emphasis on investigative policies, procedures, and practices that are necessary and essential in preparing such information and evidence for court.

Recommended: CJ 100, CJ 109 and CJ 210

Prerequisite: WR 060 or placement & CJ 110

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 214 - Criminal Justice Report Writing**

*Credits - 3 Lecture - 3*

This course will focus on the skills needed to effectively write reports common to criminal justice professions. It provides English grammar and writing skills, with necessary communication skills, including interviewing and interrogation, to help student improve their writing, communication, and observation abilities. As the result of practical exercises and assignments, students will learn to write reports that are complete, clear, accurate and concise.

Prerequisite: CJ 100 and WR 122 or WR 227

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 220 - Criminal Law**

*Credits - 3 Lecture - 3*

This course is an examination of substantive criminal law, its philosophical and historical development, major definitions and concepts, principles of criminal liability, classifications and elements of crimes, criminal defenses, and the nature of criminal sanctions.

Recommended: CJ 100, CJ 120

Prerequisite: WR 060 or placement

*Term(s) Offered: Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 222 - Procedural Law**

*Credits - 3 Lecture - 3*

This course focuses on the procedural rights of defendants in the criminal justice system as guaranteed by the U.S. Constitution and how these rights guide the administration of justice.

Recommended: CJ 100, CJ 220

Prerequisite: WR 060 or placement

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 225 - Correctional Law**

*Credits - 3 Lecture - 3*

This course examines laws, rules, and standards applicable to correctional institutions and community-based supervision of detained or convicted offenders. It is an overview of constitutional issues, judicial decisions, and legislative actions pertaining to prisons, jails, probation, and parole. The student will assess current case, statutory, and constitutional provisions applicable to the correctional setting.

Recommended: CJ 100, CJ 222

Prerequisite: WR 060 or placement

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 227 - Ethics in Criminal Justice**

*Credits - 3 Lecture - 3*

This course examines ethical dilemmas and professional problems faced by criminal justice personnel. Students review various ethical perspectives and discuss the practical applicability of ethical philosophies to address ethical and professional conduct in the field of criminal justice.

Recommended: CJ 100

Prerequisite: WR 060 or placement

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CJ 232 - Correctional Casework Counseling**

*Credits - 3 Lecture - 3*

Basic concepts of interviewing and counseling techniques used by correctional officers in one-to-one contacts with clients. Rudimentary skills practiced through role playing and demonstration prepare the student for practice in the field and an appreciation of further training.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 240 - Crime, Justice and Diversity**

*Credits - 3 Lecture - 3*

This course examines the impact of cultural diversity on the American criminal justice system, including a discussion of race and ethnicity; the historical treatment of minorities; cross-cultural communication between criminal justice personnel and diverse populations; criminal and victimization patterns and trends in the context of race, ethnicity, gender, age, sexual orientation; and, strategies for success in making criminal justice agencies more effective in serving diverse communities, including recruitment and hiring of minority populations. This course explores the issues surrounding the operation of a justice system in culturally diverse, democratic society.

Recommended: CJ 100

Prerequisite: WR 060 or placement

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 243 - Narcotics and Dangerous Drugs**

*Credits - 3 Lecture - 3*

This course focuses on the problems created by illegal use of narcotics and dangerous substances, including a historical examination of drug abuse; the nature and extent of drug abuse; etiology of addiction; symptoms and consequences of drug abuse; the intentions and limitations of drug control and regulation efforts; and the impact of drugs on the American criminal justice system.

Recommended: CJ 100

Prerequisite: WR 060 or placement

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 250 - Criminal Justice Administration**

*Credits - 3 Lecture - 3*

This course introduces the student to leadership styles, management principles, supervisory techniques, and policy and procedure formulation in the management of criminal justice agencies with an emphasis on ethical leadership. Students are provided an opportunity to address real criminal justice management issues and problems, and discover ways to resolve them while applying theory to practical situations.

Prerequisite: WR 060 or placement and CJ 100

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CJ 280 - Cooperative Work Experience**

*Credits - 1-8*

Supervised field experience in a criminal justice or related agency. An in-service student may pursue a research project instead of work in the field. Includes a seminar for discussion of problems and experience gained.

*Term(s) Offered: Fall, Winter, Spring*

Criminal Justice Coordinator Approval Required.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **Diesel**

### **DSL 141 - Heavy Duty Steering and Suspension**

*Credits - 4 Lecture - 3 Lab - 1*

This course will prepare the student to diagnose and repair problems with manual and power steering components, suspension systems, steerable tag and drop axles. The course will also train students in preventative maintenance practices for steering and suspension systems and for steering and suspension system alignment.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **DSL 151 - Heavy Duty Brakes I**

*Credits - 3 Lecture - 2 Other - 2*

Hydraulic, air, and mechanical brake system principles of operation, self-energizing, drum, disc, parking, internal expanding, and external band brakes will be covered. Brake system self-adjusters, electric brakes, brake adjustment and inspection will also be covered. Included in this course will also be engine brakes and retarders.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **DSL 152 - Manual Drive Trains I**

*Credits - 3 Lecture - 2 Lab - 1*

Hydraulic, air, and mechanical brake system principles of operation, self-energizing, drum, disc, parking, internal expanding, and external band brakes will be covered. Brake system self-adjusters, electric brakes, brake adjustment and inspection will also be covered. Included in this course will also be engine brakes and retarders.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **DSL 153 - Manual Drive Trains II**

*Credits - 3 Lecture - 2 Lab - 1*

A continuation of DSL 152 covering more detailed maintenance and repair of drive lines, differentials, transfer cases, gear transmissions, and transaxles with emphasis on problem diagnosis, repair and replacement, and repair.

Prerequisite: DSL 152

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 161 - Diesel Engines**

*Credits - 4 Lecture - 3 Lab - 1*

The course provides up-to-date, interactive training through classroom study, use of Internet Website information, and hands-on experience in the "Virtual Workplace" or lab. The course focuses on the history, theory of operation, and principles of design of the diesel engine.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 162 - Engine Repair I**

*Credits - 4 Lecture - 3 Lab - 1*

This course covers provides up-to-date, interactive training through classroom study, use of Internet Website information, and hands-on experience in the "virtual workplace" or lab, for the troubleshooting, repair, and maintenance of diesel engines. Special focus will be on the performance of the cylinder head, lubrication system, and cooling systems. Students will remove, recondition, and reassemble diesel engines.

Prerequisite: DSL 161

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 175 - Heavy Duty Equipment**

*Credits - 3 Lecture - 2 Lab - 1*

This course will focus on off-highway mobile equipment systems. Training will emphasize diagnostics and repair of heavy equipment.

Prerequisite: DSL 184

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 176 - Mobile Air-Conditioning and Heating**

*Credits - 3 Lecture - 2 Lab - 1*

This course will introduce the theory of air conditioning and heating systems in mobile equipment. The theory will be followed by diagnostic and repair techniques required by the service technician.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 181 - Shop Practices**

*Credits - 3 Lecture - 3*

This course trains the student in basic shop environment practices, including personal safety. The course also trains student in proper and safe tool use, along with use of fasteners and hardware employed in the field of diesel technology.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 184 - Fluid Mechanics**

*Credits - 4 Lecture - 3 Lab - 1*

This course will introduce the theory and application of fluid mechanics. The course expands upon the theory by troubleshooting and repairing on- and off-highway hydraulic systems.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 191 - Electrical Systems I**

*Credits - 4 Lecture - 2 Other - 2*

An introductory course designed to provide basic technical knowledge of principles of operation, construction, and purpose of electron theory and basic electrical circuits and components.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 192 - Electrical Systems II**

*Credits - 4 Lecture - 2 Other - 2*

Provides the basic technical knowledge of electrical circuits, measurement values, circuit components, circuit tracing and diagnosing, and repair of electrical malfunctions.

Prerequisite: DSL 191

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 193 - Electrical Systems III**

*Credits - 4 Lecture - 2 Other - 2*

Designed to give the student basic technical knowledge of semiconductors and diodes, including operating principles of starting, charging, and ignition systems.

Prerequisite: DSL 192

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 196 - Electronic Diagnostics and Engine Emissions**

*Credits - 3 Lecture - 2 Lab - 1*

This course is designed to introduce the student to the use of electronic control systems in on and off road vehicles. It details subjects from basic electrical wiring and connections to more detailed electronic troubleshooting tools and how engine performance and injection timing can result in non-compliant exhaust emissions. Students will receive hands-on training in the lab setting learning to use ESTs, and proper troubleshooting techniques.

Prerequisite: DSL 193

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 200 - Pre-Employment Seminar**

*Credits - 1 Lecture - 1*

This course is designed assist students seeking employment. Job-hunting techniques, interviewing skills, and the study of job-related responsibilities and problems while advancing in a chosen career are among the major topics covered.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 251 - Heavy Duty Brakes II**

*Credits - 3 Lecture - 2 Other - 2*

Principles of compressed air, air brake component identification and operation, and air brake valve troubleshooting and service will be covered. This course also includes other heavy duty brake systems for trucks, tractors and heavy equipment; and complete brake jobs, including inspection and service.

Prerequisite: DSL 151



*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 262 - Engine Repair II**

*Credits - 4 Lecture - 3 Lab - 1*

This course covers provides up-to-date, interactive training through classroom study, use of internet website information, and hands-on experience in the "virtual workplace" or lab, for the troubleshooting, repair, and maintenance of diesel engines. Areas of focus include intake and exhaust systems, turbochargers, engine brakes, and the fuel subsystem.

Prerequisite: DSL 162

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 263 - Advanced Engine Technology**

*Credits - 4 Lecture - 3 Lab - 1*

This course covers provides up-to-date, interactive training through classroom study, use of internet website information, and hands-on experience in the "virtual workplace" or lab, of the advanced diagnostics of diesel engines. The class will focus on testing engines after rebuild; the operation, testing, and repair of injection pumps and governors; troubleshooting typical engine and fuel-system failures; and the operation and adjustment of a Cummins Pressure-Time system.

Prerequisite: DSL 262

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 275 - Heavy Duty Equipment II**

*Credits - 3 Lecture - 2 Lab - 1*

This course will focus on off-highway mobile equipment. Training will emphasize diagnostics and repair of powertrain systems.

Prerequisite: DSL 175

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DSL 280 - Cooperative Work Experience**

*Credits - 1-8*

Provides a supervised work experience in diesel mechanics which supplements the "school experience" that is not possible in the normal academic classroom environment.

*Term(s) Offered: Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **TTL 101 - Introduction to Transportation & Logistics**

*Credits - 4 Lecture - 4*

Introduction to logistics and commercial vehicle operation, covering control systems, coupling procedures, cargo handling and pre-trip inspections. Covers regulations and requirements for CDL, speed management, road conditions, and accident scene management.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **TTL 121 - Practical Application in Transport & Logistics**

*Credits - 6 Lecture - 6 Lab - 6*

This training course is the core preparation for a truck driver in preparation for taking the Commercial Driver's License (CDL) exam. There

is 120 hours of lecture/lab, with a minimum of 44 hours of driving time over the period of 3 weeks.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **TTL 141 - Transportation Customer Service Skills**

*Credits - 3 Lecture - 3*

This course focuses on building skills in dealing with customers and others in the course of delivery. This helps to create a more professional approach to dealing with the public.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **TTL 280 - CWE: Transportation**

*Credits - 6*

Work-based learning experience in the Transportation & Logistics field. Supervision and evaluation of the student's job performance will be provided by qualified staff of the College and employer.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **Early Childhood Education**

### **ECE 100 - Developmentally Appropriate Practice in Early Childhood Ed**

*Credits - 3 Lecture - 3*

This course is an overview of developmentally appropriate practice in Early Childhood Programs. Students will become familiar with the standard of care in early childhood education as delineated by the National Association for the Education of Young children and outlined in the text, Developmentally Appropriate Practice in Early Childhood Programs.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 101 - Family and Community Relations**

*Credits - 3 Lecture - 3*

This course provides the knowledge and skills necessary to work effectively with families and community professionals in early childhood education. Topics to be covered include family involvement, communicating with families and professionalism in early childhood education. WR 115 Recommended.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 109 - Foundations and Careers in Early Childhood**

*Credits - 3 Lecture - 3*

This course introduces the student to the history, philosophy, and social development of early childhood education and is designed to assist students in identifying potential local, state, and federal career opportunities in early childhood education, including child care, education, social work and health care specialties. Students will become familiar with the educational requirements, lifestyle considerations, application processes, testing, screening, training, and certification requirements of employment in the field of early childhood. Students will solidify their academic plan and prepare a personal career plan based on their goals.

*Term(s) Offered: Fall, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 111 - Introduction to ECE Environments**

*Credits - 3 Lecture - 3*

This course covers the different types of early childhood education programs and the regulations that govern each. Emphasis is on design of early learning environments that support growth and development in all domains of learning: social-emotional, intellectual, and physical. Students will evaluate existing early learning settings and suggest adaptations. Students will apply principles of developmentally appropriate practice to the evaluation and design of early learning environments.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 112 - Introduction to Early Childhood Education/Professionalism**

*Credits - 1 Lab - 1*

This course provides students with an opportunity to explore the field of Early Childhood Education through a hands-on, application-oriented experience in an approved Early Care and Education Setting under the supervision of career professionals. Student will also have the opportunity to complete Career-Related Learning Experiences (CRLE), required for graduation from Oregon's high schools.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 150 - Observation/Assessment and Recording**

*Credits - 3 Lecture - 3*

Students will develop skills necessary to observe, assess and record young children's behavior. Students will gain experience with a variety of observation and recording tools. Focus is on the importance of objective record keeping in relationship to the on-going monitoring of children's development.

WR 115 Recommended.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 151 - Guidance and Classroom Management**

*Credits - 3 Lecture - 3*

This introductory course to guidance for young children, ages birth through eight, presents a positive child guidance approach based on principles of developmentally appropriate practice in early care and education, as outlined by the National Association for the Education of Young Children. Students will be provided with research-based, philosophically sound knowledge, research, practices, and strategies that contribute positively to the emotional and social development of the young child.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 152 - Creativity for Young Children**

*Credits - 3 Lecture - 3*

This course focuses on understanding and implementing developmentally appropriate practices for the young child. Students will gain hands-on experience in multiple creative activities that are age appropriate, individually appropriate and culturally appropriate.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 153 - Music and Movement**

*Credits - 3 Lecture - 3*

This class provides a foundation for understanding the role of music and movement in the development of young children. Students will have the opportunity to integrate knowledge and experience culminating in a personal collection of developmentally appropriate music and movement activities for young children.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 154 - Literature and Literacy**

*Credits - 3 Lecture - 3*

This course surveys and presents methods for using and evaluating children's literature. Students will also gain knowledge about the relationship between language development and emergent literacy.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 175A - Infant/Toddler Caregiving: Social Emotional Growth**

*Credits - 1 Lecture - 1*

This course presents healthy social emotional development in infancy as the underpinning for all other learning and that social emotional development is dependent on the child's close relationship with respectful, caring adults. Also discussed is the importance of understanding temperament, emotions, environmental impact and care giving responsiveness to the child's needs. Students are presented information to promote awareness of their own feelings, expectations and attitudes brought with them from past experiences to the field of early childhood education. Students will examine the relationship between social emotional care giving and services provided to families.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 175B - Infant/Toddler Caregiving: Group Care**

*Credits - 1 Lecture - 1*

This course helps students to understand how to develop intimacy between infants and others in a group. Students will discuss barriers, as well as discover strategies for providing appropriate care. Respectful routine care in a child's daily life is fundamental to developing intimate relationships. Students will evaluate health and safety issues, daily routine care and consider environment, space and child care ratios as important aspects of group care.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 175C - Infant/Toddler Caregiving: Learning and Development**

*Credits - 1 Lecture - 1*

This course presents a non-traditional view of how infants and toddlers develop. Students will discover the importance of infants and toddlers having the freedom to make learning choices and to experience the world on their own terms. Facilitation of natural interests and urges to learn dominate the course content with specific information based on understanding learning schemes, developmental stages and support for learning.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 175D - Infant/Toddler Caregiving: Culture, Family and Provider**

*Credits - 1 Lecture - 1*

This course challenges students to articulate their philosophy of infant/ toddler care and the caregiver-parent relationship so that they can develop stronger partnerships and facilitate communication with parents. Considerations for how participants can encourage families to participate in their child's care will be discussed and strategies for working with difficult situations explored. The course will also examine common challenges in conducting a child care business to include defining business relationships and arrangements. Family issues around separation, accepting diversity, culture and routine care and culture and child development will be analyzed and practical solutions explored.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 198 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in the Early Childhood Education program.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 220 - Science and Nature with Young Children**

*Credits - 3 Lecture - 3*

This class provides a thorough study of theory, design and implementation of science curriculum in early childhood settings, with an emphasis on integrating developmentally appropriate nature studies across the curriculum, both indoors and outdoors.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 225 - Prenatal, Infant and Toddler Development**

*Credits - 3 Lecture - 3*

This course covers child development from prebirth through 36 months of age. A relationship-based model is used as a framework for understanding how infants and toddler grow and learn with the support of their families and teachers. Focus is on major developmental theories, stages of development including brain and language development, and appropriate behavioral expectations.

WR 115 recommended

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 226 - Child Development**

*Credits - 3 Lecture - 3*

This course covers child development from birth through age eight. Focus is on major developmental theories, stages of development and appropriate behavioral expectations. This course is the foundation for the Early Childhood Education program.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 228 - Responsive Infant Toddler Programs**

*Credits - 3 Lecture - 3*

This course takes the infant toddler professional into the world of responsive program planning that happens day to day the relationship way. Focus is on the application of major developmental theories, stages of development including brain and language development, and appropriate behavioral expectations.

WR 115 recommended

Prerequisite: ECE 225

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ECE 230 - Mathematics and the Young Child**

*Credits - 3 Lecture - 3*

This course focuses on early mathematical content and concepts that are relevant to young children during the first five years of life. The course is designed to teach students effective strategies to recognize and promote mathematical development and learning in all young children. Students will explore what mathematics looks like for infants, toddlers, and preschoolers and learn specific ways to facilitate young children's mathematical development. Students will practice what they are learning through a variety of assignments, including direct interactions with young children. Upon completion of the course, students will be able to identify opportunities for mathematics learning throughout the curriculum, observe and assess young children's developing mathematical knowledge, plan experiences that focus on specific

math concepts, and use a variety of strategies and materials to promote children's interests and abilities in mathematics

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **ECE 240 - Curriculum/Planning**

*Credits - 3 Lecture - 3*

This course focuses on designing curriculum for the young child using the principles of developmentally appropriate practice and constructive learning theory. Students will apply the components of constructivism to the design of early childhood curriculum. Application of theory to practice is emphasized.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 245 - Challenging Behavior in Young Children**

*Credits - 3 Lecture - 3*

This course addresses challenging behavior in young children. Students will explore the causes of and the risk factors associated with challenging behavior. Students will develop knowledge and skills which will allow them to understand, prevent, and respond effectively to challenging behavior.

Prerequisite: ECE 151

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 249 - Inclusion of Children with Special Needs**

*Credits - 3 Lecture - 3*

The emphasis of this course is on strategies and adaptations for including children with special needs in the early childhood setting. Current resources and best practices for educating children with diverse abilities, limited English proficiency, different socioeconomic and/or cultural backgrounds and other special needs will be explored.

WR 115 Recommended.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 280 - Cooperative Work Experience**

*Credits - 1-8*

The purpose of cooperative work experience is to provide students with an opportunity to gain volunteer experience with young children in an early childhood setting. Students participating in cooperative work experience with young children must successfully complete a criminal history background check. Cooperative work experience may include one-to-one or small group instructional assisting.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 295 - Child Care Administration**

*Credits - 3 Lecture - 3*

An exploration of administrative roles and responsibility in child care centers. Topics include philosophy, finances, personnel, legal regulation and program planning.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **ECE 296 - Issues and Trends**

*Credits - 3 Lecture - 3*

This course explores the status of early childhood education. The purpose is to assist students in becoming knowledgeable professionals. Topics may include: inclusion, professionalism, teaching methods, brain research, teenage parents and working parents.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## Education

### ED 101 - Introduction to Education Seminar and Practicum

*Credit - 4 Lecture - 4*

This course examines teaching as a profession. It provides opportunities for direct experience with, and analysis of educational settings. Students will explore current issues in education and characteristics of effective schools.

Prerequisite: WR 060 or Placement

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### ED 115 - Introduction to Education: Oregon Teacher Pathway

*Credits - 4 Lecture - 4*

The purpose of this course is to offer first year community college students the opportunity to explore the field of teaching and investigate educational inequalities. Participants will critically examine topics related to schools and communities at the local, state, and national levels through the analysis of current issues affecting the academic performance of cultural, ethnic, and linguistic minority students. The exploration of multiple perspectives will provide students with the opportunity to study ethnic and cultural diversity in U.S. schools and increase self-awareness regarding the impact of teachers on student success. Further, the course aims to introduce students to the field of teaching and provide them with the foundational information necessary to pursue higher education. Course participants will conduct research, explore current events, and participate in critical discussions about the teaching profession.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### ED 169 - Overview of Students with Special Needs

*Credits - 3 Lecture - 3*

An introduction to the disabling conditions of students with special needs and their implications in school settings. Defines and identifies intervention strategies for disabilities covered under federal law.

*Term(s) Offered: Spring*

Required in Paraeducator Certificate and AAS degree.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees. Human Relations

### ED 216 - Foundations of Education

*Credits - 4 Lecture - 4*

This course provides an overview of the American Education System, including historical, legal, and philosophical foundations. Students will explore the governance of local schools and districts and will consider the roles and ethical obligations of professional educators.

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter, Spring*

Required as elective for EOU AAOT transfer degree. See advisor.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### ED 253 - Learning Across the Lifespan

*Credits - 4 Lecture - 4*

This course explores how learning occurs at all ages from early childhood through adulthood, major and emerging learning theories, individual learning styles including one's own learning styles, self-reflection on implications of how learning occurs, and the impact of these

issues on the development and delivery of instruction.

Prerequisite: WR 115 or Placement

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ED 258 - Multicultural Education**

*Credits - 3 Lecture - 3*

This course covers the philosophy, activities, and techniques appropriate to a culturally sensitive classroom. Students will develop an understanding of the impact of culture on individual perception and learning and group dynamics.

*Term(s) Offered: Fall, Spring*

Required as elective for EOU AAOT transfer degree. See advisor.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ED 280 - Cooperative Work Experience**

*Credits - 1-8*

The purpose of this education practicum experience is to give first and second year education majors an opportunity to gain volunteer experience with age-appropriate children in an educational setting. Students participating in this practicum must successfully complete a criminal history verification check. Practicum situation may include one-to-one or small group tutoring in reading, math, or other areas in a classroom setting.

*Term(s) Offered: Fall, Winter, Spring*

Required as elective for EOU AAOT transfer degree. See advisor.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ED 298 - Special Studies**

*Credits - 1-3*

This course is designed to accommodate a variety of content and subject areas related to education in the K-12 schools. Coursework will be specific to teaching and learning related activities and strategies. These topics may include, but are not limited to, teaching techniques, instructional technology, human relations, communication, and non-instructional support skills. Most of these courses will be taught in a workshop/conference environment in which students choose topics and issues that are relevant to their specific job responsibilities or are of specific interest to them.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **EMT/Fire Science**

### **EMT 115 - Crisis Intervention**

*Credits - 3 Lecture - 3*

Provides a theoretical background for understanding crisis intervention and offers an arena to experience a variety of crisis management styles. Assists the emergency service worker or healthcare provider to evaluate their emotional reactions and methods of coping in order to stay healthy on the job.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **EMT 151 - Emergency Medical Technician Part A**

*Credits - 6 Lecture - 5 Other - 1*

This course is designed to instruct a student to the level of Emergency Medical Technician. EMT 151 covers the National Standard Curriculum. The EMT is a vital link in the chain of the health care team.

Prerequisite: RD 101 or Placement and MTH 025 or Placement and WR 060/WR 099 or Placement

*Term(s) Offered: Fall*



**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **EMT 152 - Emergency Medical Technician Part B**

*Credits - 6 Lecture - 5 Other - 1*

This course is designed to instruct a student to the level of Emergency Medical Technician. EMT 152 covers the National Standard Curriculum. The EMT is a vital link in the chain of the health care team.

Prerequisite: RD 101 or placement, MTH 025 or placement and WR 060 /WR 099 or placement.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **EMT 176 - Emergency Response Patient Transportation**

*Credits - 2 Lecture - 1 Lab - 1*

Covers ambulance operations, laws, maintenance and safety, emergency response driving and route planning.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **EMT 177 - Emergency Response Communication//Documentation**

*Credits - 2 Lecture - 2*

Covers principles of therapeutic communication, verbal, written, and electronic communications in the provision of EMS, documentation of elements of patient assessment, care and transport, communication systems, radio types, reports, codes and correct techniques.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ES 169 - Emergency Service Rescue**

*Credits - 3 Lecture - 2 Other - 1*

Presents technical information on various rescue situations. Covers tools and equipment, ropes and knots, trench rescue, shoring, warehouse searches, outdoor searches, rescue in situations involving elevation differences, package patients, water and ice rescues, and vehicle extrication.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ES 175 - Introduction to Emergency Services**

*Credits - 4 Lecture - 4*

Intro to EMS explores the philosophy and history of emergency services. Presents the history of loss of life and property in fire, major medical emergencies, and natural disasters. Covers the responsibility of emergency services in a community, the roles and responsibilities of a paramedic and firefighter, an overview of the ICS system, and the organization and function of emergency services and allied organizations, education and certification. Includes sources of professional literature, awareness and identification of hazardous materials, emergency services apparatus, fire behavior, detection and protection systems, cultural diversity, harassment in the workplace, survey of professional career opportunities and requirements, and development of a resume.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 110A - Fire Fighter Skills Academy part A**

*Credits - 3 Lecture - 2 Lab - 1*

This course provides the components of classroom study, drill hands-on skills practice, and training evolutions that will prepare the firefighter to perform most fireground functions under the supervision of an experienced firefighter.

Recommended Preparation: WR 115, applied skills. Must qualify within a limited-entry program.

Corequisite: ES 175

Students successfully complete both parts of the FF-I Skills Academy will be eligible for Oregon DPSST FF-I certification. Meets requirements of NFPA 1001.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 110B - Fire Fighter Skills Academy part B**

*Credits - 3 Lecture - 2 Lab - 1*

This course provides the components of classroom study, drill hands-on skills practice, and training evolutions that will prepare the firefighter to perform most fireground functions under the supervision of an experienced firefighter.

Recommended Preparation: WR 115, applied skills.

Prerequisite: ES 175, FS 110A

Meets requirements of NFPA 1001. Qualify within a limited-entry program. Students successfully completing both parts of the FF-I Skills Academy will be eligible for Oregon DPSST FF-I certification.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 112 - Firefighter II Skills Academy**

*Credits - 4 Lecture - 4*

This course covers tools, procedures, techniques and safety precautions utilized by firefighters, during fire ground operations. Includes comprehensive training in firefighting skills related to fire company evolutions. Involves transfer of knowledge obtained from classroom instruction to drill ground application, during hands-on live fire training. Equipment and procedures learned in FF Skills are utilized in an operational format. Students function as a firefighter, apparatus operator, company officer, and training officer during drill activities. Fire fighting skills applied during weekly drill activities.

Prerequisite: FS 110A & FS 110B

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 121 - Fire Behavior & Combustion**

*Credits - 3 Lecture - 3 Lab -*

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

Recommended Preparation: WR 115, applied skills.

Prerequisite: ES 175, FS 110B

Qualify within a limited entry program

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 122 - Fundamentals of Fire Prevention**

*Credits - 3 Lecture - 3 Lab -*

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use and application of codes and standards, plans review, fire inspections, fire and safety education, and fire investigation.

Recommended Preparation: WR 115, applied skills

Prerequisite: FS 121

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 123 - Hazardous Materials - Awareness/Operation**

*Credits -2 Lecture - 2 Lab -*

This course provides basic chemistry relating to the categories of hazardous materials including recognition, identification, reactivity, and health hazards encountered by emergency services. Second phase of the course provides an overall operation level implementation of a planned response on control and confinement.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 110B

This course is accredited through IFS AC, and meets requirements for NFPA standard 472. Qualify within a limited entry program.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 130 - Wildland Firefighter**

*Credits - 2 Lecture - 1 Lab - 1*

This course, developed by the National Wildfire Coordinating Group (NWCG), provides the foundational skills for entry level wildland firefighters, including the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. Covers situational awareness, communication responsibility, attitude and stress barriers, decision-making processes and team work principles along with risk management process and introduction to the incident command system for ground cover fire suppression.

Recommended Preparation: WR 115, applied skills. Eligibility for certification by NWCG as Wildland FF type II, and Wildland FF type I.

This is a NIMS compliant course (S-130/190, I-100, L-180, S-131/133).

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 137 - Fire Protection Systems**

*Credits - 3 Lecture - 3 Lab -*

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 110B

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 166 - Building Construction for Fire Prevention**

*Credits - 3 Lecture - 3 Lab -*

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 110B

Qualify within a limited entry program

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 169 - Apparatus Operator/Driver**

*Credits - 4 Lecture - 3 Other - 1*

This course covers practical procedures, techniques and safety precautions used while operating fire apparatus. Includes fire apparatus inspection and preventative maintenance, driving laws and policies, specific to the apparatus operator maneuver a vehicle, and apparatus positioning.

Recommended Preparation: WR 115, applied skills.

Prerequisite: WR 115

Qualify within a limited entry program. Students will be prepared to meet National Fire Protection Association 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 170 - Intro to Fire Tactics & Strategies**

*Credits - 3 Lecture - 3 Lab -*

This course provides the principles of fireground control through utilization of equipment and extinguishing agents, the different roles and responsibilities of personnel and communication, the difference in how building construction effects fire behavior factors, and how to

conduct fire pre-incident planning.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 110B

Qualify within a limited entry program.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 212 - Fire Investigation**

*Credits - 3 Lecture - 3 Lab -*

This course is intended to provide the student with the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the fire setter, and types of fire causes.

Recommended Preparation: WR 115. applied skills.

Prerequisite: FS 166

Qualify within a limited entry program.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 214 - Principles of Fire & Emergency Services Safety & Survival**

*Credits - 3 Lecture - 3 Lab -*

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 169

Qualify within a limited entry program

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 240 - Emergency Services Instructor I**

*Credits - 3 Lecture - 2 Lab - 1*

This course prepares emergency services personnel to deliver a training class from a prepared lesson plan. Topics include adult learning theory and how it applies to emergency service training and the use of instructional methods to engage the student in the learning process.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 112B, COM 111

Qualify within a limited entry program

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 274 - Intro to Fire & Emergency Administration**

*Credits - 3 Lecture - 3 Lab -*

This course introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer.

Recommended Preparation: WR 115, applied skills.

Qualify within a limited entry program

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **FS 280 - Cooperative Work Experience**

*Credits - 1-8*

The purpose of this practicum experience is to give the students an opportunity to gain real life education and mentoring from experienced firefighters, in both daily operation and emergencies.

Recommended Preparation: WR 115, applied skills.

Prerequisite: FS 110B, FS 169

Qualify within a limited entry program

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## Engineering Technologies

### DRF 113 - Advanced Computer Aided Drafting

*Credits - 3 Other - 3*

Advanced CAD applications utilizing reference files, symbols/cell libraries and work space setup in the development of drawings for civil structural purposes and building projects including buildings, bridges, site plans, subdivisions and highway design projects using the Microstation software.

Prerequisite: DRF 112 or CET 112 Added CET 112 as prereq

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### DRF 243 - Industrial Drafting

*Credits - 4 Lecture - 2 Lab - 6*

Students will create wiring diagrams, schematics and logic diagrams, printed circuit board designs, enclosure drawings, and other industrial drawings using industry standard notation and formatting.

Prerequisite: DRF 112

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### DRF 263 - 3-D Computer Aided Drafting

*Credits - 3 Other - 3*

An advanced course using 3-D CAD environment on the Microstation platform to create solid models of objects and buildings. Includes operations to utilize sheet files, materials, palettes, sectioning tools, and exporting tools.

Prerequisite: DRF 113

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### ENGR 231 - Engineering Statics

*Credits - 4 Lecture - 3 Lab - 1*

This course develops the fundamental principles of mechanics of rigid bodies and the application of these principles to engineering problems. The course includes the analysis of structural members and their connections, torsion on power-transmitting shafts, as well as centroids, moments of inertia, and stress and strain.

Prerequisite: MTH251, PHY211

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### ENGR 235 - Engineering Strength of Materials

*Credits - 4 Lecture - 3 Lab - 1*

This course develops design techniques for simple beams and columns utilizing an analysis of stress-strain relationship as related to engineering materials, with an emphasis on timber and steel. Internal stresses and deformations of structural members and machines when subjected to external forces are considered. Analysis of structural members and their connections, torsion on power transmitting shafts, centroids and moments of inertia of stress are also considered.

Prerequisite: ENGR 231

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ET 114 - Introduction to Geographic Information Systems**

*Credits - 4 Lecture - 3 Lab - 1*

An introduction to the fundamentals of geographic information systems (GIS) including a brief history of automated mapping, and basic cartographic principles including map scales/ coordinate systems/map projections. Hands on use of computer-based ESRI Software will introduce the concepts of layering data from multiple sources into a coherent system. Applicable to geography, sciences, agriculture, business, and engineering uses.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ET 222 - Concrete Practices**

*Credits - 4 Lecture - 3 Lab - 1*

A study of the Basics of Concrete relating to the testing of fresh concrete, fundamentals of Mix Design, review of the Basics of Concrete and in-depth investigation of the properties of concrete materials. Instruction includes Absolute Volume Method of Mix Design and the techniques required to meet job site specifications for concrete.

Prepares students for completion of the ACI-Field Testing Technician I and ODOT Quality Control Technician Certification Requirements.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ET 222A - Concrete Field Testing Technician**

*Credits - 1 Lecture - 1*

A study of the Basics of Concrete relating to the testing of fresh concrete.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ET 222B - Concrete Control Technician**

*Credits - 1 Lecture - 1*

A study of the Fundamental of Mix Design, review of the Basics of Concrete and in-depth investigation of the properties of concrete materials.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **ET 222C - Concrete Strength Testing Technician**

*Credits - 1 Lecture - 1*

Students are instructed in the Absolute Volume Method of Mix Design and the techniques required to meet job site specifications for concrete.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **English**

### **ENG 104 - Introduction to Literature**

*Credits - 4 Lecture - 4*

A course concentrating on the study of fiction through analysis of short stories and/or novels drawn from American, English, Continental, and other literature.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 105 - Introduction to Literature

*Credits - 4 Lecture - 4*

A course emphasizing the study and analysis of drama from classical times to the modern period with concentration on the principal types of drama such as comedy and tragedy.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 106 - Introduction to Literature

*Credits - 4 Lecture - 4*

A course focusing on the study of poetry, primarily lyric, drawn from American, English, Continental, and other literatures. Elements such as form, texture, and sensuous appeal are explored in close analysis of the poems.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 107 - World Literature

*Credits - 4 Lecture - 4*

This course focuses on great works of the ancient world in a variety of forms including: verse, drama, fiction, and nonfiction. Reading and discussion may focus on the literary traditions of the ancient Middle East, Greece, Rome, India, and China.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness

## ENG 108 - World Literature

*Credits - 4 Lecture - 4*

This course focuses on great works from roughly 400CE to 1600CE in a variety of forms including: verse, drama, fiction, and non-fiction. Reading and discussion may focus on the literary traditions of Western Europe, Africa and Asia.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## ENG 109 - World Literature

*Credits - 4 Lecture - 4*

This course focuses on great works of the modern world in a variety of forms including: verse, drama, fiction, and nonfiction. Reading and discussion may focus on the literary traditions of Latin America, the Middle-East and Africa, as well as Europe.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon

transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Human Relations. Cultural Awareness.

### **ENG 197 - Film as Literature**

*Credits - 4 Lecture - 4*

This course explores film as an art form, fostering visual literacy through close attention to the cinema. It will concentrate on the importance of acting, drama, ideology, theory and literary adaptation to film.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ENG 198 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in English.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **ENG 201 - Shakespeare**

*Credits - 4 Lecture - 4*

A survey of the Elizabethan era and of Shakespeare's dramatic works. Students read early comedies, histories, and tragedies giving special attention to the overall design of each work as well as to its individual beauties.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ENG 202 - Shakespeare**

*Credits - 4 Lecture - 4*

A survey of Shakespeare's middle period. Students read plays of various genres, but class emphasis falls on historical plays with discussion of Shakespeare's developing view of man, society and government.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ENG 203 - Shakespeare**

*Credits - 4 Lecture - 4*

A survey of Shakespeare's later plays including the great tragedies and the romances. Students study both dramatic forms and poetry and discuss the philosophic implications of these major plays.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ENG 204 - Survey of English Literature**



*Credits - 4 Lecture - 4*

This course is a study of the principal works of English literature. Students concentrate on Anglo-Saxon and Medieval literature in the first term and become familiar with literary traditions through reading, lecture, discussion and film.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ENG 205 - Survey of English Literature**

*Credits - 4 Lecture - 4*

The second term of this survey focuses on Renaissance and Eighteenth-Century English literature. Students read and discuss major authors, including Shakespeare, Milton, Swift and Pope.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ENG 206 - Survey of English Literature**

*Credits - 4 Lecture - 4*

The third term of this survey sequence focuses on Modern English Literature. The authors are representative rather than inclusive.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **ENG 240 - Native American Literature**

*Credits - 3 Lecture - 3*

A discussion seminar designed to introduce the student to the emergence of literature being written by members of the first nations of North America, and the connection of that contemporary literature to the oral literature of myth, story, lyric and ritual poetry and oratory.

Recommended preparation: WR 121

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **ENG 253 - Survey of American Literature**

*Credits - 4 Lecture - 4*

The first of a three-part sequence, this course is a discussion seminar that surveys a multicultural representation of American literary works and major writers from pre-European contact to the Civil War. Or emphasis may be on genre, with the first term focusing on American fiction.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **ENG 254 - Survey of American Literature**

*Credits - 4 Lecture - 4*

The second of a three-part sequence, this course is a discussion seminar that surveys a multicultural representation of American authors and literary works from the Civil War to World War II. Or emphasis may be on genre, second term focusing on American drama.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 255 - Survey of American Literature

*Credits - 4 Lecture - 4*

The last of a three-part sequence, this course is a discussion seminar that considers a multicultural representation of major American writers and literary works from World War II to the present. Or emphasis may be on genre, with the third term focusing on American poetry.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 260 - Introduction to Women Writers

*Credits - 4 Lecture - 4*

An examination of writing by women. Students read a variety of fiction and nonfiction forms by women from various places and periods.

Genres may include poetry, folksongs, diary and journal entries, fiction and drama, and non-fiction.

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## ENG 263 - Detective Fiction

*Credits - 4 Lecture - 4*

Investigation of the detective genre, its historical patterns, and its evolution from Poe to popular contemporary writers. Students will read a variety of detective novels/short stories in the categories of the Armchair/Cerebral Detective and Hard Boiled

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 264 - Detective Fiction

*Credits - 4 Lecture - 4*

Investigation of the detective genre, its historical patterns, and its evolution from Poe to popular contemporary writers. Students will read a variety of detective novels/short stories in the categories of the Armchair/Cerebral Detective and Hard Boiled Detective.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## ENG 269 - Nature Literature

*Credits - 4 Lecture - 4*

People often explain themselves and their world according to how they define and perceive their relationship with nature. The Nature Literature course will examine how people's literature reflects their mythological, theological, philosophical, and scientific views towards nature. Readings will include fiction, poetry, and nonfiction that project a variety of attitudes towards nature.

Prerequisite: WR 115 or Placement

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PHL 101 - Introduction to Philosophy**

*Credits - 4 Lecture - 4*

Introduces the student to major issues in philosophy, a historical overview and subgenres of the philosophical tradition.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PHL 102 - Introduction to Ethics**

*Credits - 4 Lecture - 4*

This course is a general introduction to ethical theory and practice covering normative ethics, meta-ethics, and applied ethics.

Recommended preparation: WR 121

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PHL 103 - Critical Thinking**

*Credits - 4 Lecture - 4*

In this course students develop thinking and reasoning skills required for the critical assessment of information. This course focuses on practical methods applied to case studies from sources such as editorials, essays, propaganda, advertisements, and newspaper reports. This course is considered an Art & Letters course.

Prerequisite: WR115 or Placement.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 060 - Elements of the Essay**

*Credits - 4 Lecture - 4*

WR060 introduces students to the academic essay, moving from developing clear, paragraphs to composing and revising the academic essay. Students will develop confidence in their writing and practice critical thinking. Students read texts of varying lengths, showing each stage of the writing process. Grammar skills will be developed through more rigorous instruction.

*Term(s) Offered: Fall, Winter, Spring*

Students with a writing Compass score of 18- 32 are highly recommended to take RD 101 concurrent to WR060

## **WR 065 - Introduction to Technical Writing**

*Credits - 3 Lecture - 3*

Introduces students to the basic elements of expository technical writing. Students will move from short, paragraph length technical works to multi-paragraph documents. Additional attention is directed toward integrating graphics into the writing, presenting the material orally and creating job search documents.

*Term(s) Offered: Fall, Winter, Spring*

## **WR 099 - Writing Workshop**

*Credits - 1 Lecture - 1*

This one-credit class offers students enrolled in a designated developmental writing course an opportunity to apply skills learned in class in a structured, interactive environment.

## **WR 115 - Introduction to College Writing**

*Credits - 4 Lecture - 4*

This course introduces college-level critical inquiry in academic reading and writing. Students will work on developing their ability to read critically and write college-level essays in a variety of different writing contexts and situations. Emphasis is on learning to use the conventions of written language appropriately and skillfully for different purposes and to experience and use writing as a recursive, social, and collaborative process.

Prerequisite: WR 060 or WR 099 or Placement

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **WR 121 - English Composition**

*Credits - 4 Lecture - 4*

The first of two courses required by the AAOT degree, this course focuses on writing clear, detailed, informative essays in a variety of forms, correctly using and citing sources, active reading, and critical thinking.

Prerequisite: WR 115 or Placement

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 122 - English Composition**

*Credits - 4 Lecture - 4*

The second of a two-course sequence, this course focuses on the development of student skills in evaluating and composing essays of various lengths, with emphasis on style of expression, logical thought and evidence, and argumentative approaches and strategies. The course also includes a research paper and supporting annotated bibliography.

Prerequisite: WR 121

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 198 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in writing.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **WR 227 - Technical Report Writing**

*Credits - 4 Lecture - 4*

Researching and reporting technical information including business proposals, business plans, feasibility studies and process instructions.

Prerequisite: WR 121

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 241 - Introduction to Imaginative Writing**

*Credits - 4 Lecture - 4*

A course in creative writing designed for those who wish to express themselves in fiction, non-fiction, drama, poetry, or other imaginative forms.

Prerequisite: WR 115 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 242 - Introduction to Imaginative Writing**

*Credits - 4 Lecture - 4*

A course in creative writing designed for those who wish to express themselves in fiction, non-fiction, drama, poetry, or other imaginative forms.

Prerequisite: WR 115 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 243 - Introduction to Imaginative Writing**

*Credits - 4 Lecture - 4*

A course in creative writing designed for those who wish to express themselves in fiction, non-fiction, drama, poetry, or other imaginative forms. This course will focus on creative non-fiction.

Prerequisite: WR 115 or Placement

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **WR 298 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in writing.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Foreign Languages**

### **SPAN 101 - First Year Spanish**

*Credits - 4 Lecture - 4*

Introduction to Spanish, stressing speaking and reading. Exercises in elementary composition and grammar.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **SPAN 102 - First Year Spanish**

*Credits - 4 Lecture - 4*

Continued introduction to Spanish, stressing speaking and reading. Exercises in elementary composition and grammar.

Prerequisite: SPAN 101

*Term(s) Offered: Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **SPAN 103 - First Year Spanish**

*Credits - 4 Lecture - 4*

Continued introduction to Spanish, stressing speaking and reading. Exercises in elementary composition and grammar.

Prerequisite: SPAN 102

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **SPAN 161 - Conversational Business Spanish I**

*Credits - 2 Lecture - 2*

This conversational business Spanish course is an intensive course designed to focus on oral communication related to customer, consumer, and coworker interactions; there will be little grammatical instruction. The course will emphasize sentence structure, pronunciation, and introduce Hispanic culture and traditions. Course content will focus on business situations for customer service, workplace interactions, and field work. Students will practice speaking in class and will be encouraged to practice speaking outside the classroom.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **SPAN 162 - Conversational Business Spanish II**

*Credits - 2 Lecture - 2*

This conversational business Spanish course is the second level of an intensive course designed to focus on oral communication related to customer, consumer, and coworker interactions. While there will be reading of simple business Spanish documents, there will be little grammatical instruction. Course content will focus on business situations for customer service, workplace interactions, and field work. Students will practice speaking in class and will be encouraged to practice speaking outside the classroom.

Prerequisite: SPAN 161

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **SPAN 201 - Second-Year Spanish**

*Credits - 4 Lecture - 4*

Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Selections from representative authors are studied.

Prerequisite: SPAN 103

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **SPAN 202 - Second-Year Spanish**

*Credits - 4 Lecture - 4*

Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Emphasis on advanced use of past tense and on hypothetical and persuasive language. We will also include literary selections.

Prerequisite: SPAN 201

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **SPAN 203 - Second-Year Spanish**

*Credits - 4 Lecture - 4*

Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Emphasis on advanced verb moods and application of language.

Prerequisite: SPAN 202

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **SPAN 211 - Spanish Conversation and Composition**

*Credits - 3 Lecture - 3*

Intensive conversation and essay writing of a general character designed to improve oral and written ability in Spanish.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **SPAN 212 - Spanish Conversation and Composition**

*Credits - 3 Lecture - 3*

Intensive conversation and essay writing of a general character designed to improve oral and written ability in Spanish.

Prerequisite: SPAN 211 or instructor approval

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **SPAN 213 - Spanish Conversation and Composition**

*Credits - 3 Lecture - 3*

Intensive conversation and essay writing of a general character designed to improve oral and written ability in Spanish.

Prerequisite: SPAN 212 or instructor approval

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **SPAN 218 - Spanish for Heritage Speakers**

*Credits - 4 Lecture - 4*

This course is designed specifically for Heritage speakers of Spanish or other linguistically qualified students. Provides instruction to develop and improve existing Spanish language skills related to writing, speaking and listening. Also focuses on the cultural heritage of Spanish-speaking students in the region and increases awareness of linguistic registers, expands vocabulary, practices translation and develops appreciation for Hispanic and Latino cultures of Spanish-speaking countries and the United States. Conducted primarily in Spanish.

Prerequisite: SPAN 103

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **UMA 101 - First Year Umatilla**

*Credits - 4 Lecture - 4*

This course will introduce the student to the Umatilla language. Umatilla is a Sahaptin language primarily spoken on the Umatilla Indian Reservation. The student will learn the four areas that are essential to speaking grammatical phrases in Umatilla.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Health/Physical Education**

### **FN 225 - Nutrition**

*Credits - 4 Lecture - 4*

Nutrition is the study of the nutrients in food and how the body uses them through the life cycle. Food sources, functions and recommendations for the six nutrients are covered. Digestion, absorption and metabolism are discussed. Skills will be developed in evaluation of nutrition information, assessment of dietary intake, recognition of timely national nutrition issues, and an increased awareness

of the relationship of diet upon chronic disease. A variety of instructional methods will be selected but emphasis will be upon collaborative learning.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **FN 230 - Children, Families and Nutrition**

*Credits - 3 Lecture - 3*

This is a course for parents, families, child and health care providers, and early childhood educators. Basic nutrition for the pregnant and breastfeeding woman, the breastfed and bottle-fed infant, and the child will be covered.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HE 100 - Introduction to Health Services**

*Credits - 3 Lecture - 3*

Individually designed shadow experiences within the health service professional field that provide the learner the opportunity to apply skills as well as obtain knowledge of various health career occupations. Basic First Aid and CPR are included.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HE 115 - Body Composition Assessment**

*Credits - 1 Lecture - 1*

Percent Body Fat (or lean-to-fat ratio) is a better indicator of health and fitness than scale weight is. This class teaches students about the different methods of assessing percent body fat, their advantages and disadvantages.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **HE 250 - Personal Health**

*Credits - 3 Lecture - 3*

A visionary look at the state of health and health care today. This distance education course offers teachers and learners an up-to-the-minute look at health and health care issues from weight management to cardiovascular disease and from the latest HIV/AIDS treatment to changes in health care delivery systems. Personal Health combines interviews with leading health professionals, dynamic location footage, and illustrative case studies to bring each lesson to life.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **HE 252 - First Aid**

*Credits - 3 Lecture - 3*

This course is designed to provide the student with the knowledge and skills necessary in an emergency to call for help, to help keep someone alive, to reduce pain, and to minimize the consequences of injury or sudden illness until professional medical help arrives. Successful completion will lead to an American Red Cross community first aid and community CPR certification.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **HE 253 - Personal Nutrition**



*Credits - 3 Lecture - 3*

Orientation to the importance of a diet that is low in saturated fat and cholesterol while high in complex carbohydrates and fiber. Emphasis will be on helping participants choose healthy, low fat foods while still enjoying their diets. The course will include an introduction to nutrients and their uses and food sources, as well as discussion of current topics including weight management, eating disorders, exercise, food and diets, recipe modifications, and reducing risk of disease related to high-fat diet.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **HE 298 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in health.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **HPE 295 - Health and Fitness for Life**

*Credits - 3 Lecture - 3*

Develop an understanding of the interacting influences of physical fitness, nutrition, stress management, and health. Course covers many wellness topics including weight control, eating disorders, diet analysis, methods for behavior change, avoiding destructive habits, cardiovascular health, and maintaining a healthy back.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PE 090 - Physical Education**

*Credits - 1 Other - 1*

Program of study and activity in a specific area of physical education to include introduction to guidelines and techniques of the stated activity. This pre-college level is designed for less complex activities focusing on physical fitness. Students will take part in the activity to maintain physical fitness.

*Term(s) Offered: Winter*

## **PE 131 - Introduction to Physical Education**

*Credits - 3 Lecture - 3*

An introduction to the fields of Health, Physical Education, Recreation and Sports Management including professional opportunities and required academic qualifications. The course includes a "shadow" experience and information regarding American College of Sports Medicine and American Council on Exercise certifications.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PE 185 - Physical Education Activity**

*Credits - 1 Other - 1*

Program of study and activity in a specific area of physical education to include introduction to rules, principles, guidelines, and techniques of the stated activity. Students will take part in the activity to better learn about it as well as to maintain physical fitness.

*Term(s) Offered: Fall, Winter, Spring*

Repeatable for a maximum of 12 credits

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## PE 198 - Special Studies

*Credits - 1-3*

Selected studies in health and physical education.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## PE 290 - Lifeguard Training Review

*Credits - 1 Lab - 1*

The purpose of this course is to update student's American Red Cross certification in Lifeguard training (PE 291). Students who possess a current ARC Lifeguard Training certificate are eligible to enroll in this review course.

Recommended preparation: The student must possess a current ARC Lifeguard Training Certificate

*Offered Winter Term Only.*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## PE 291 - Lifeguard Training

*Credits - 2 Other - 2*

This course is designed to provide lifeguard candidates and lifeguards with the skills and knowledge necessary to keep the patrons of aquatic facilities safe in and around the water. Successful completion will lead to the American Red Cross lifeguard training certificate.

Recommended preparation: The student must possess strong swimming skill proficiency and strength.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## PE 292 - Water Safety Instructor/WSI

*Credits - 2 Lecture - 1 Other - 1*

The student will learn how to teach swimming and water safety and further develop personal skills in these areas. Successful completion leads to the American Red Cross Water Safety Instructor (WSI) certificate.

Recommended preparation: Student must be at least 17 years old at the start of course and must pass the pre-course written and skills test.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## PE 293 - Lifeguard Instructor Training/LGI

*Credits - 2 Lecture - 1 Other - 1*

The purpose of this course is to train candidates to teach the American Red Cross Lifeguard Training, Lifeguard Training Review, Community Water Safety, CPR for the professional rescuer and Lifeguarding Instructor Aid courses. Successful completion leads to the American Red Cross Lifeguard Instructor (LGI) certificate.

Recommended preparation: Student must be at least 17 years old at the start of course and must pass two pre-course written exams and four skill scenarios.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## Human Development

### HD 080 - Life Transitions

### *Credits - 2 Other - 2*

This course is a five-week series of seminars designed for students to develop self-knowledge, coping skills, confidence-building, communication skills, parenting skills, and how to have healthy relationships. Included in this course will be exploration of specific careers and orientation to job-search techniques, learning about college support services, managing resources, networking, exploring nontraditional training options, setting goals, and developing action plans.

## **HD 100 - College Survival and Success**

### *Credits - 3 Lecture - 3*

This course teaches students approaches and techniques that will support their success both as individuals and as students in college. Focus is on academic strategies which include note taking, test taking and text reading. Coping skills such as time management, stress management, assertiveness, and methods for organization will also be presented.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **HD 109 - Academic Planning**

### *Credits - 1 Lecture - 1*

Academic Planning provides a structured introduction to the tools, resources, and strategies vital to successful completion of one's college and career goals. The course encourages students to take responsibility for their own learning and make well informed choices in a collegiate environment.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **HD 110 - Career Planning**

### *Credits - 2 Lecture - 2*

Students gain information about themselves and occupations. They choose two careers and support their choices based upon the information they have acquired. They use interest inventories, computerized exploration programs, and an entrepreneur quiz. They will use the Career Information System to find sources of training and financial aid for the careers they have chosen.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **LC 109 - Learning Community for Academic Success**

### *Credits - 2 Lecture - 2*

This team-taught course focuses on the process and functions of learning communities, acting as a conduit of support as students work through goals and outcomes identical to other HD 109 course sections, as well as the broader array of courses that comprise their freshman experience. Emphasis will be placed on identifying the benefits of learning communities, supporting each other in the learning process (specific to HD 109 and more broadly to core courses in general), and working toward becoming a master student. Various strategies and concepts relating to student learning, success and retention will be explored through discussion, activities and surveys.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Industrial Systems Technology**

### **DRF 110 - Print Reading For Welders**

#### *Credits - 2 Lecture - 2*

This course presents an introduction to print reading fundamentals, American Welding Society (AWS) welding symbols, and related print reading applications found in the welding and fabrication industry.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DRF 111 - Industrial Print Reading**

*Credits - 2 Lecture - 2*

Technicians use prints to understand how to repair and troubleshoot machinery. Industrial Print Reading covers industry related skills in print reading, including the use of different reference coordinates, creating and editing drawings, using technical drawing views and dimensions, assembly drawings, multi-view drawings and schematic diagrams.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **DRF 112 - Computer Aided Drafting**

*Credits - 3 Other - 3*

An introduction to computer aided drafting using AutoCAD software, including design set up, file management, entity creation, and manipulation. Projects will include orthographic projection, sections, dimensioning, and isometric drawings.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 109 - Introduction to Industrial Systems Technology**

*Credits - 2 Lecture - 2*

IST109 provides an introduction to the Industrial Systems Technology Program, career opportunities, and an overview of key industrial systems and including operation and troubleshooting. This course is the entry point into the Industrial Systems Technology program.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 112 - Rigging and Lifting**

*Credits - 3 Other - 3*

This class teaches how to safely move loads of different shapes and sizes using a variety of methods. The course includes different types of rigging skills including equipment movement, wire mesh slings, synthetic slings, knots, load turning, and cranes.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 121 - Mechanical Drive Systems**

*Credits - 3 Other - 3*

Mechanical Drives introduces mechanical systems and develops fundamental knowledge of mechanical systems and practices. Covers basic safety, installation, key fasteners, power transmission systems, v-belt drives, chain drives, spur gear drives, and multiple shaft drives. Topics covered include learning how to select, install, adjust, troubleshoot, and repair a range of mechanical systems which are commonly found in both automated and manual machines used in every industry around the world.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 125 - Bearing and Lubrication Systems**

*Credits - 3 Other - 3*

Bearings and Lubrication Systems includes describing lubrication, selection, maintenance and troubleshooting of plain ball bearings. It introduces anti-friction bearings by describing two types of bearing and teaching the fundamental skills of how to identify, mechanically install, and thermally install, and troubleshooting those bearings. Also covered is gasket and seals; such as O-ring seal, lip seal and mechanical seal, advance gear drives; such as helical gear drives, right angle gear drives, and speed reducers, gear drive selection and maintenance.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 131 - Industrial Safety**

*Credits - 3 Lecture - 3*

This class introduces common industrial safety topics. Learn how to recognize and protect yourself and your colleagues from workplace hazards. Lockout/Tagout, electrical safety, personal protective equipment, confined space entry, hazardous materials awareness, and safety data sheets are among the many topics covered in this course.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 135 - HVAC System Controls**

*Credits - 3 Other - 3*

This course introduces students to HVAC systems and digital controls. Students will learn the basics of HVAC and automated digital controls as they pertain to data centers.

### **IST 141 - Electrical Fundamentals for non-Electricians**

*Credits - 3 Other - 3*

AC/DC Electrical course teaches fundamentals of AC/DC electrical systems used for power and control in industrial, commercial, agricultural, and residential applications. Students learn industry-relevant skills included in subject areas such as Basic Electrical Circuits, Electrical measurement, Circuit Analysis, Inductance and Capacitance, Combination Circuits, and Transformers.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 145 - Electric Motor and Controls Troubleshooting**

*Credits - 3 Other - 3*

Electric motor control teaches electric relay control of AC electric motors found in industrial, commercial, and residential applications. Learners gain understanding of the operation, installation, design, and troubleshooting of AC electric motor control circuits for many common applications. Develop skills in interpreting schematics, system design, motor start / stop circuits, motor sequence control, reversing motor control, and motor jogging. Safety is emphasized throughout, highlighting motor safety, lockout/ Tagout and safety interlocks and basic electricity.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 147 - Programmable Logic Controllers I**

*Credits - 3 Other - 3*

Programmable Logic Controllers (PLC) are the backbone of automated processes in modern industry. This course covers program editing, basic PanelView Plus terminal operation, PLC motor control, timers and counters, event sequencing and much more. We use the Festo Allen- Bradley RSLogix 1200 for the lab activities.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 151 - Industrial Shop Practices**

*Credits - 3 Other - 3*

This course introduces students to fundamentals of an industrial shop including mechanical skills, concepts and practices. Students will be introduced to precision measurement, technical shop math, mechanical fasteners, hand tools, and power tools. Safe application of industrial skills in the workplace is emphasized.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 157 - Preventative Maintenance Management**

*Credits - 3 Lecture - 3*

Students will learn about Preventative Maintenance(PM) and Predictive Maintenance(PdM) programs and techniques used in most modern plants and facilities.

Students will gain an understanding of how these programs improve reliability, efficiency and their impact on profitability. Students will be introduced to Lean and Six Sigma manufacturing principles and concepts. Students will be introduced to Root Cause Analysis and Corrective Action Programs.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 162 - Industrial Hydraulic Systems**

*Credits - 3 Other - 3*

Industrial Hydraulic Systems introduces hydraulic power use and application, allowing learners to develop skills and knowledge needed to apply hydraulics in modern industry. It takes learners through key topics and skills in hydraulic power & safety, hydraulic circuits, hydraulic schematics, the principles of hydraulic pressure and flow, and hydraulic speed control circuits. It covers pumps, fluid friction, how to connect hydraulic circuits, hydraulic cylinders and valves (including needle valves), and a wide array of hydraulic applications.&nbsp;

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 165 - Industrial Pneumatic Systems**

*Credits - 3 Other - 3*

Basic pneumatics prepares learners to work intelligently in industry with pneumatic applications. It introduces pneumatic power and takes learners through key topics and skills in pneumatic power and safety, pneumatic circuits, pneumatic schematics, the principles of pneumatic pressure and flow, and pneumatic speed control circuits. It covers pressure regulation, air filtration, how to connect pneumatic circuits, pneumatic cylinders, valves, and actuators, a wide array of pneumatic applications, pressure and cylinder force, pneumatic leverage, pressure and volume, and air flow resistance.

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 221 - Pumps and Valves**

*Credits - 3 Other - 3*

The Pumps Systems curriculum teaches skills related to centrifugal pumps, which are used in almost every industry to transfer non-hydraulic fluids of various types from one place to another. Students learn a comprehensive set of industry-relevant skills including how to operate, install, maintain, troubleshoot, analyze performance, and select centrifugal pumps as well as system design.

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **IST 225 - Data Center Operations and Engineering**

*Credits - 3 Lecture - 3*

Students will discuss the various electrical distribution, mechanical, and fire detection/suppression equipment and its operations used in a Data Center environment. Students must attend the once-weekly class in person.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 247 - Programmable Logic Controllers II**

*Credits - 3 Other - 3*

Portable PLC covers PLC (Programmable Logic Controller) programming, operation, and applications used in industry. This course covers a wide variety of program commands, ranging from timers and contacts, stepper motor control, and PWM control that will quickly develop relevant and critical skills to be job ready in modern industry environments.

Prerequisite: IST 147

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 248 - Programmable Logic Controllers III**

*Credits- 3 Other - 3*

Programmable Logic Controllers III will continue where PLC II left off. PLC III will use Amatrol PLC training equipment to cover timers and counters, sequencing, Move instructions as well as editing programs through Factory Talk software. Anyone who successfully completes will have a solid understanding of PLCs and how they are used as the backbone of automated manufacturing systems.

Prerequisite: IST 247

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 261 - Automated Material Handling**

*Credits - 3 Other - 3*

IST261 Automated Material Handling discusses the basic operation of a Robot. These skills include safety, power up, shutdown, manual operation, homing, end effector operation. Skills taught also include basic robot programming including movement and effector commands, interfacing and material handling, application development, flexible manufacturing cells, quality control, production control, and work cell development.

Prerequisite: IST 147 Recommended.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 267 - Process Control and Instrumentation**

*Credits - 3 Other - 3*

Level and Flow Process Control teaches two of the most common types of process control systems, flow and liquid level. This course covers process control safety, instrument tags, piping and instrumentation diagrams, and level measurement, then moves into system control functions such as liquid level control, automatic control methods, basic flow measurement and control, and control loop performance.

Prerequisite: IST 147

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 271 - Capstone Project I**

*Credits - 3 Lab - 3*

The Capstone Project I course objective is to give the student near completion of the Industrial Systems Technology AAS degree the opportunity to demonstrate knowledge and skills attained pertaining to the Program Outcomes (see below.) Upon successful completion of the course the student will have a professional portfolio to assist in job searches and interviews. In addition, the completed portfolio will be assessed using the Technical Skills Assessment rubric. Those who pass with a C or better will be reported to the State as Program Completers.

Prerequisite: IST 147 and MTH 085

*Term(s) Offered: Spring*

This is a lab course that is a one capstone project with an option of extending it up to a total three terms (IST273, IST275). Program approval is required for admittance.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 273 - Capstone Project II**

*Credits - 3 Lab - 3*

Students will work in teams to develop a working, fully automated mechatronics system. This course builds on the approved design from Capstone Project I. Operating manuals, maintenance routines, troubleshooting plans, and a system optimization plan will be finalized.

Prerequisite: IST 271

This is a lab course that is part of a possible three-term capstone project. Program approval is required for admittance.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 275 - Capstone Project III**

*Credits - 3 Lab - 3*

Students will build and present a fully automated production system developed in the first and second capstone project courses. Complete operating, maintenance, and troubleshooting manual will be included. This course completes the project developed in Capstone I and II.

Prerequisite: IST 273

This is a lab course that is part of a possible three-term capstone project. Program approval is required for admittance.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **IST 280 - CWE: Industrial Systems Technology**

*Credits - 1-6*

Cooperative work experience is an opportunity for students to learn workplace and technical skills while being exposed to experiences meant to deepen their understanding of a career field in which they are interested. The student will find a site and arrange a mentor. The students will decide upon their goals for the experience which must be approved by the instructor. Upon completion an evaluation will be completed which will include an interview with the instructor, review of the student's goals and a reflection paper. Instructor approval is required. (To receive one credit the student must log 33 hours of Work Experience per credit.)

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **Math/Computer Science**

### **CS 020 - Computer Orientation**

*Credits - 1 Other - 1*

The purpose of the course is to introduce students to computer language and basic computer use with an emphasis on word processing and using e-mail. Designed for those who have had little or no experience working with computers.

### **CS 080 - Introduction to Personal Computers**

*Credits - 3 Lecture - 3*

The student will examine the applications and use of personal computer hardware and software. The student will be introduced to word processing, e-mail, spreadsheets, and the Internet. Also discussed is basic file management under Windows.

*Term(s) Offered: Fall, Winter, Spring*

### **CS 090 - Personal Computer Applications**

*Credits - 3 Lecture - 3*

This course will investigate beginning and elementary features and functions of a particular software application.

*Term(s) Offered: Spring*

*May be repeated under different topics.*



## **CS 095 - Personal Computer Applications**

*Credits - 3 Lecture - 3*

This course will investigate intermediate to advanced features and functions of a particular software application.

*May be repeated under different topics.*

## **CS 109 - Academic Planning for Data Center Tech**

*Credits - 1 Lecture - 1*

This course provides a structured introduction to the tools, resources, and strategies vital to successful completion of one's college and career goals. More specifically, this course provides an orientation to the Data Center Technician certificate program at BMCC. The course encourages students to take responsibility for their own learning and make well-informed choices in a collegiate environment. Topics include information about access for students, financial assistance, study strategies, library resources, diversity, career and degree planning, and career readiness.

## **CS 120 - Concepts of Computing**

*Credits - 4 Lecture - 4*

A survey of the general concepts of computers and their applications. Concepts include computer systems, system and applications software, data organization and management, and computers in society. Specific applications with hands-on projects will include word processing, presentation management, spreadsheets, database, graphics, and web authoring.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Computer Literacy.

## **CS 125 - Software Applications**

*Credits - 3 Lecture - 3*

This class will study in detail one specific computer software application. Topics will include standard features and operations of the application and consideration of one or more specific products and their unique features. Course may include (but is not limited to) web design/multimedia (CS 125M) and digital imaging (CS125I). Offered periodically.

*Offered periodically.*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CS 125i - Digital Imaging (Photoshop)**

*Credits - 3 Lecture - 3*

This course examines the theory behind digital imaging through application in a Web-based environment. Focus will be on using digital images on web pages to enhance content, through examples of current best practices and trends. Photoshop will be used extensively in this course as students create projects that can be used on websites.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CS 125M - 3D Modeling and Animation**

*Credits - 4 Lecture - 4*

This course provides hands-on experience creating animation and 3D graphics to be used in gaming engines, video production, and online. Students will use Blender to explore mesh modeling, texturing, lighting, animation, rendering and composition as they develop realistic 3D environments. Critical thinking skills, professionalism, and industry applications of 3D modeling are integral to the curriculum.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CS 133 - Programming Languages**

*Credits - 4 Lecture - 4*

This course focuses on introducing students to the critical concepts and principles that surround practical programming in the workplace. The primary purpose of this course functions to introduce students to programming that they would use in a variety of fields including robotics, office automation, gaming, and programming logic controllers.

Recommended Prerequisites: CS 120, CS 160

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 133B - Programming with Visual Basic**

*Credits - 4 Lecture - 4*

An introduction to programming with the high level programming language Visual BASIC. The student will study basic programming styles, techniques and the syntax of Visual BASIC. Students will write, run and debug programs on microcomputers.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 133J - Scripting: Javascript with jQuery**

*Credits - 4 Lecture - 4*

An introduction to client-side scripting, this course presents methods to make dynamic websites. After gaining familiarity with Javascript, students will be taught how to use jQuery to simplify and enhance website design and development.

Prerequisite: CS 195

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 133U - Programming with C+**

*Credits - 4 Lecture - 4*

An introduction to programming with the high level programming language C. The student will study basic programming styles, techniques and the syntax of C. Students will write, run and debug programs on microcomputers.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Lab Science - Courses that meet the laboratory requirement.

## **CS 140L - Introduction to Linux Administration I**

*Credits - 3 Lecture - 3*

Students will gain experience in the installation and configuration of the Linux operating system as a server, with strong emphasis on the boot sequence and virtualization. Students will learn to use the command line and administer common services. This is the first course in a two term sequence on Linux administration.

## **CS 145 - Introduction to PC Hardware and Software**

*Credits - 5 Lecture - 4 Lab -3 Other -*

This course provides a first introduction to the installation, configuration and maintenance of PC hardware and software. Special emphasis is given to troubleshooting methodology and its hands-on application to resolution of hardware and software problems.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CS 160 - Gentle Introduction to Programming**

*Credits - 4 Lecture - 3 Other - 1*

A gentle, but intense, introduction to programming with a high-level programming language. The student will study foundational programming styles, techniques, syntax, and tools in order to develop, write, run, and debug computer programs with an emphasis on

problem solving.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

This course satisfies the Computer Science requirement.

## **CS 161 - Computer Science**

*Credits - 4 Lecture - 4*

An introduction to problem solving and algorithm design with the use of a high level programming language. Included will be basic principles of hardware, software and programming techniques.

Recommended preparation: MTH 095 or equivalent.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 162 - Computer Science**

*Credits - 4 Lecture - 4*

Continued introduction to problem solving and algorithm design with the use of a high level programming language. Additional topics may include data organization (multidimensional arrays, records, pointers, lists, stacks and queues) and techniques for designing large projects.

Prerequisite: CS 161

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 179 - Introduction to Networking**

*Credits - 4 Lecture - 3 Lab - 1*

Students will learn the essentials of installing, configuring, securing and maintaining computer networks. Students learn to diagnose and resolve simple network problems, analyze network traffic, and gain familiarity with common protocols and media types.

CS 145 is a corequisite for this course

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CS 179A - Introduction to Networking I**

*Credits - 2 Lecture - 1 Lab - 3*

Students will learn the essentials of installing, configuring, securing, and maintaining computer networks. Students learn to diagnose and resolve simple network problems, analyze network traffic, and gain familiarity with common protocols and media types. This is the first course in a two term sequence.

Prerequisite: CS 145 or equivalent experience

## **CS 179B - Introduction to Networking II**

*Credits - 3 Lecture - 2 Lab - 3*

Students will learn the essentials of installing, configuring, securing, and maintaining computer networks. Students learn to diagnose and resolve simple network problems, analyze network traffic, and gain familiarity with common protocols and media types. This is the second course in a two term sequence.

Prerequisite: CS 179A or equivalent experience

## **CS 180 - Computer Science Practicum**

*Credits - 1-5 Lab - 5*

Students will operate a free computer repair clinic as a community service, gaining experience in troubleshooting, professional interaction with customer's and peers and documenting problems and solutions in a trouble ticket system.

*Students may take this course for credit twice.*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CS 195 - Web Development**

*Credits - 4 Lecture - 4*

A first course in the design and development of Web pages and sites. This course will include the use of Web page authoring tools as well as HTML syntax to create Web pages. Students will study both the mechanics and practical application of these tools as well as principles of good design for the Web.

Recommended prerequisite: CS 120

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 198 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in computer science.

## **CS 240L - Introduction to Linux Systems Administration**

*Credits - 3 Lecture - 3 Lab - Other*

Students will gain experience in the installation and configuration of the Linux operating system as a server, with strong emphasis on the boot sequence and virtualization. Students will learn to use the command line and administer common services. This is the second course in a two term sequence on Linux administration.

Prerequisite: CS 140L or equivalent experience

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CS 260 - Data Structures**

*Credits - 4 Lecture - 3 Other - 1*

Continued instruction in problem solving and algorithm design with the use of a high level programming language, this course also includes basic data structures, searching and sorting techniques and advanced problem solving.

Prerequisite: CS 162

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 275 - Database Development**

*Credits - 4 Lecture - 4*

Introduces the design, uses, and terminology of a database management system. Students will explore database development, focusing on relational databases. Topics will include relational schema, entity-relationship diagrams, indices, normal forms, SQL, multiuser database issues, web-based systems, and evaluation of business data needs.

Recommended Preparation: CS 295 or CS 133 or CS 161

Prerequisite: BA 110

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 279 - Network Management II**

*Credits - 5 Lecture -4 Lab -3*

Students will learn to build, maintain, troubleshoot and support server hardware and software technologies. Advanced administration and diagnostic techniques are discussed.

Prerequisite: CS 179

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CS 280 - Cooperative Work Experience**

*Credits - 1-8*

Provides a supervised work experience in computer science which supplements the "school experience" that is not possible in the normal academic classroom environment.

## **CS 282 - Computer Science Colloquium**

*Credits - 3 Lecture - 3 Lab - Other*

This course will provide a forum for discussion of challenges, current trends, and future concerns. Will also cover current trends as well as resume building. Designed to be taken in parallel with CS 280

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **CS 284 - Fundamentals of Cybersecurity**

*4 Lecture - 4*

This course focuses on introducing students to the critical concepts and principles that surround cybersecurity. The primary purpose of this course functions as a survey of major topics in the cybersecurity field, but also introduces a range of interrelated industry vocabulary, tools, frameworks, and methodologies.

Prerequisite: CS 120 Recommended.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CS 288 - Network Management III**

*Credits - 4 Lecture - 3 Lab - 1*

A course designed to examine different advanced networking topics and current trends in networking. Topics will include items relative to the needs and learning experience of the students.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **CS 295 - Web Development**

*Credits - 4 Lecture - 4*

A second course in the design and development of Web pages and sites. This course will include JavaScript, CCS, SSI, CGI programming, and other DHTML tools. Students will study both the mechanics and practical application of these tools.

Prerequisite: CS 195

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **CS 298 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in computer science.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MTH 025 - Pre-Algebra**

*Credits - 4 Lecture - 4*

This course is designed for students who are almost ready for elementary algebra. Those who place in this course study all processes of

fractions, decimals, ratio/ proportion/percent, measurement, integers, basic geometry and algebraic expressions and equations.

*Term(s) Offered: Fall, Winter, Spring*

### **MTH 042 - Technical Mathematics**

*Credits - 4 Lecture - 3 Other - 1*

The student will study and demonstrate knowledge of ratios, proportions, percentages, and application of Elementary Algebra, Elementary Geometry, Elementary Trigonometry, and mathematical formulas to technical problems.

Prerequisite: MTH 025 or Placement

*Term(s) Offered: Winter*

### **MTH 062 - Quantitative Literacy I**

*Credits - 4 Lecture - 4*

This course provides the algebra, quantitative reasoning, and problem solving skills necessary for success in Math 105. Students will solve a variety of contextual and open-ended mathematical problems. The course is alternate pathway to Math 105 for students not intending to take calculus.

Placement (ALEKS score 10 or higher or GED 145) OR MTH025

### **MTH 070 - Elementary Algebra**

*Credits - 5 Lecture - 5*

The student will demonstrate knowledge of basic algebra notation, linear equations and inequalities, graphing, linear systems, exponents, and polynomials.

Prerequisite: MTH 025 or Placement

*Term(s) Offered: Fall, Winter, Spring*

### **MTH 084 - Technical Mathematics for Civil Engineer Technicians**

*Credits - 2 Lecture - 2*

This course will prepare students for further classes in technical programs. Emphasis will be on planar geometry, solid geometry, and right angle trigonometry as it applies to land surveying, civil engineering technical courses, and other trades.

Prerequisite: MTH 025 or Placement

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **MTH 085 - Technical Math for Industrial System Techs**

*Credits - 4 Lecture - 4*

This course will prepare Industrial Systems students for problems they will encounter in future program courses as well as in industry. Topics in this applied algebra course will include: operations with real numbers, measurement, proportions, percent, dimensional analysis, order of operations, solving equations, Pythagorean Theorem, angles, trigonometry, area, perimeter, surface area, and volume. Problems will focus on practical applications of problem solving techniques.

Prerequisite: MTH 025 or Placement

**COURSE NOTES:** Lectures will be recorded by instructor and made available to students online

### **MTH 095 - Intermediate Algebra**

*Credits - 5 Lecture - 5*

The student will study and demonstrate knowledge of skills to include solving algebraic equalities and inequalities, and systems of linear and nonlinear equations. Also included are graphing algebraic functions. Emphasis is placed on algebraic problem-solving skills; a graphing calculator will be used as a tool to further algebraic knowledge.

Prerequisite: MTH 070 or Placement

*Term(s) Offered: Fall, Winter, Spring*

## **MTH 098 - Quantitative Literacy II**

*Credits - 4 Lecture - 4 Lab - Other -*

This course provides the algebra, quantitative reasoning, and problem solving skills necessary for success in MTH 105. Students will solve a variety of contextual and open-ended mathematical problems, communicating their solutions in writing, with graphical and symbolic representations. The course is an alternate pathway to MTH 105 for students not intending to take calculus.

MTH 062 or MTH 070 or Placement

## **MTH 103 - Problem Solving with Technology**

*Credits - 1 Lab - 1*

A mathematics problem solving course that applies prerequisite algebra skills. Students practice critical thinking skills in a variety of algebraic areas. The main focus of this course is exploration of algebra through the use of technology, i.e., graphics calculators and/or computer software.

Prerequisite: MTH 095 or instructor approval

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MTH 105 - Math in Society**

*Credits - 5 Lecture - 5*

This is a mathematics problem-solving course that applies prerequisite algebra skills. Students practice critical thinking skills in a variety of application areas chosen from the physical and social sciences, modeling, consumer math, statistics, geometry, number theory, logic, probability, and recreational math. The course stresses clear communication, problem-solving strategies, group problem-solving experiences, and appropriate use of graphics calculator and computer software as problem-solving tools.

Prerequisite: MTH 098 or MTH 095 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 111 - College Algebra**

*Credits - 5 Lecture - 5*

Students will demonstrate knowledge of functions in general, polynomial, rational, exponential, and logarithmic functions in particular. Students will also demonstrate knowledge of linear systems, sequences, and series; mathematical induction; and binomial expansion. Emphasis is placed on algebraic problem-solving skills; a graphing calculator will be used as a tool to further algebraic knowledge.

Prerequisite: MTH 095 or Placement

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 112 - Elementary Functions**

*Credits - 5 Lecture - 5*

The students will study and demonstrate knowledge of trigonometric functions, applications of trigonometry, trigonometric identities and equations, complex trigonometric numbers, linear programming, partial fractions, probability and data analysis, conic sections, parametric equations, polar coordinates, and vectors.

Prerequisite: MTH 111 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 198 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in mathematics.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MTH 211 - Foundations of Elementary Mathematics**

*Credits - 4 Lecture - 4*

The student will study and demonstrate knowledge of problem solving, sets, relations, whole numbers, numeration systems, integers, number theory, and mathematical systems. The student will explore conceptual bases of numbers and arithmetic, with an emphasis on why and how arithmetic operations work. Manipulatives will be used as physical models to move from concrete to abstract representation.

Prerequisite: MTH 095 or Placement, MTH 098 Recommended

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **MTH 212 - Foundations of Elementary Mathematics**

*Credits - 4 Lecture - 4*

The student will study and demonstrate knowledge of integers, rational numbers, real numbers, and mathematical systems.

Prerequisite: MTH 211

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **MTH 213 - Foundations of Elementary Mathematics**

*Credits - 4 Lecture - 4*

The student will study and demonstrate knowledge of geometry, probability, and statistics and other topics in elementary mathematics.

Prerequisite: MTH 212

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **MTH 231 - Discrete Mathematics**

*Credits - 4 Lecture - 4*

Students will study and demonstrate knowledge of topics chosen from logic, set theory, functions, algorithms, number theory, matrices, proof techniques, recursion, counting techniques, relations, and graphing theory.

Prerequisite: MTH 111 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **MTH 241 - Calculus for Management/Social Science**

*Credits - 4 Lecture - 4*

Students will study and demonstrate knowledge of the basic concepts of differential and integral calculus with emphasis on the basic techniques and applications. The approach will be from an intuitive point of view.

Prerequisite: MTH 111 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.



## **MTH 243 - Introduction to Probability and Statistics**

*Credits - 4 Lecture - 4*

Students will study concepts in statistics including basic sampling, descriptive statistics, basic probability, distributions, and inferential statistics topics such as confidence intervals, hypothesis tests, and linear regression. Emphasis will be placed on using software for calculations and interpretation of results.

Prerequisite: MTH 111, MTH 105 or Placement

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 251 - Calculus**

*Credits - 4 Lecture - 4*

Students will study and demonstrate knowledge of limits, continuity, the derivative, and applications, including trigonometry.

Prerequisite: MTH 112 or Placement

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 252 - Calculus**

*Credits - 4 Lecture - 4*

The student will study and demonstrate knowledge and application of the definite integral, differentiation and integration of logarithmic, exponential, trigonometric, and inverse functions and applications.

Prerequisite: MTH 251

*Term(s) Offered: Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 253 - Calculus**

*Credits - 4 Lecture - 4*

Students will study and demonstrate knowledge of intermediate forms, improper integrals, infinite sequences and series, analytic geometry, polar coordinates, and an introduction to vectors

Prerequisite: MTH 252

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 254 - Vector Calculus**

*Credits - 4 Lecture - 4*

The student will study and demonstrate knowledge of vector-valued functions, functions of several variables, partial differentiation and related applications, and multiple integration with related applications.

Prerequisite: MTH 252

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 256 - Differential Equations**

*Credits - 4 Lecture - 4*

This course covers the methods of solving ordinary differential equations and includes three types of solutions: elementary methods, convergent power series, and numerical methods, with applications to physical and engineering science.

Prerequisite: MTH 252

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 261 - Linear Algebra**

*Credits - 4 Lecture - 4*

Students will study and demonstrate knowledge of matrix solutions to systems of linear equations, determinants, vector spaces, GramSchmidt orthogonalizations, linear transformations, Eigen values and Eigen vectors.

Prerequisite: MTH 252

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MTH 261 - Linear Algebra**

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Students will study and demonstrate knowledge of matrix solutions to systems of linear equations, determinants, vector spaces, GramSchmidt orthogonalizations, linear transformations, Eigen values and Eigen vectors.

MTH 252

## **MTH 298 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in mathematics. It will provide statistics students an opportunity to use the statistical tools learned in the classroom to analyze real data.

Corequisite: MTH 243

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Medical Assisting**

### **MA 209 - Medical Assisting Externship**

*Credits - 3 Lab- 3*

During the Medical Assisting Externship, students will be placed in a clinic or medical office to begin to familiarize themselves with an active clinic setting. Under the guidance of a preceptor, the student will perform duties which do not require patient contact in addition to administrative and clinical duties. The student will not receive payment for their externship.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **MA 210 - Fundamentals of Medical Assisting**

*6 Lecture - 1 Lab - 5*

This course introduces the student to the skill and responsibilities of the medical assistant in the back office of the clinic setting in the ambulatory care office. Emphasis is placed on safety and privacy, patient-care, provider interaction, patient preparation and interventions, initial assessment and history gathering.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **MA 211 - Medical Assisting Practicum**

*Credits - 8 Lecture - 2 Lab - 6*

During the clinical practicum, the medical assisting student will be placed in a clinic or medical office to practice the skills they have learned throughout their medical assisting coursework. Under the guidance of a preceptor, the student will perform administrative and clinical duties in a medical setting. The student will not receive payment for their externship.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## Music

### MUP 105 - Jazz Ensemble

*Credits - 1 Lab - 1*

Provides an opportunity for students to rehearse and perform current jazz and jazz standard literature.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### MUP 115 - General Ensemble

*Credits - 1 Lab - 1*

Provides an opportunity for students to rehearse and perform in a select small ensemble.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### MUP 122 - Concert Choir

*Credits - 1 Lab - 1*

Provides the skilled vocalist an opportunity to participate in a select group.

*Course is repeatable up to 3 times (3 credits total). Instructor approval required.*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### MUP 125 - Vocal Jazz Ensemble

*Credits - 1 Lab - 1*

An opportunity for advanced vocalists to perform literature of the popular and/or vocal jazz styles.

*Term(s) Offered: Fall, Winter, Spring*

*Course is repeatable up to 3 times (3 credits total). Instructor approval required.*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### MUP 141 - Symphony Orchestra

*Credits - 1 Lab - 1*

This course provides an opportunity to participate in the Oregon East Symphony, offering performances of a wide variety of orchestral styles.

*Course is repeatable up to 3 times (3 credits total). Instructor approval required.*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### MUP 168 - Applied Woodwinds

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 169 - Applied Brass**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 170 - Applied Strings**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term. Instructor Approval.

*Term(s) Offered: Fall, Winter, Spring*

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 171 - Applied Piano**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

*Term(s) Offered: Fall, Winter, Spring*

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 174 - Applied Voice**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

*Term(s) Offered: Fall, Winter, Spring*

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 205 - Jazz Ensemble**

*Credits - 1 Lab - 1*

Provides an opportunity for students to rehearse and perform current jazz and jazz standard literature.

Prerequisite: 3 terms of MUP 105.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 222 - Concert Choir**

*Credits - 1 Lab - 1*

To provide the skilled vocalist an opportunity to participate in a select group.

Prerequisite: 3 terms of MUP 122.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 225 - Vocal Jazz Ensemble**

*Credits - 1 Lab - 1*

An opportunity for advanced vocalists to perform literature of the popular and/or vocal jazz styles.

Prerequisite: MUP 125 and instructor approval.

*Term(s) Offered: Fall, Winter*

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 241 - Symphony Orchestra**

*Credits - 1 Lab - 1*

This course provides an opportunity to participate in the Oregon East Symphony, offering performance of a wide variety of orchestral styles.

Prerequisite: Three quarters of MUP 141.

*Term(s) Offered: Fall, Spring*

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 268 - Applied Woodwinds**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

Prerequisite: MUP 168.

*Course is repeatable up to 3 times*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 269 - Applied Brass**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

Prerequisite: 3 terms of MUP 169.

*Course is repeatable up to 3 times (3 credits total).*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 270 - Applied Strings**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term. Instructor Approval.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **MUP 271 - Applied Piano**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

Prerequisite: MUP 171.

*Term(s) Offered: Fall, Winter, Spring*

*Course is repeatable up to 3 times*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUP 274 - Applied Voice**

*Credits - 1 Lecture - 1*

Individual private instruction is given in technical and stylistic aspects of artistic solo performance. Students enroll for a one-half hour lesson each week in their major instrument each term.

Prerequisite: MUP 174.

*Term(s) Offered: Fall, Winter, Spring*

*Course is repeatable up to 3 times*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 101 - Fundamentals of Music**

*Credits - 2 Lecture - 2*

Elementary study of terms and notation symbols designed to develop elementary competence in performing from notation and in notating musical ideas.

*Term(s) Offered: Fall, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 105 - Music Appreciation**

*Credits - 4 Lecture - 4*

This course includes a survey of western music, both vocal and instrumental, from the Renaissance through the Twentieth Century, as well as covering the basic fundamentals in order to aid with comprehension of the material. Students will be able to discuss the development of music in history and culture, understand basic concepts that developed through the musical periods, listen to music critically, and aurally identify major works from each period.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MUS 111 - Music Theory**

*Credits - 4 Lecture - 4*

This course introduces the building blocks of music, including intervals, key signatures, and the fundamental aspects of melody, harmony and rhythm.

Corequisite: MUS 114. Students with limited piano skills should take MUS 131 as corequisite.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 112 - Music Theory**

*Credits - 4 Lecture - 4*

This course develops the facility of harmony recognition and basic building of chord progressions using standard principles.

Prerequisite: MUS 111 Corequisite: MUS 115

*Term(s) Offered: Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 113 - Music Theory**

*Credits - 4 Lecture - 4*

This course continues the development of basic music analysis and composition of chord progression including extended chords and modulations.

Prerequisite: MUS 112 Corequisite: MUS 116

*Term(s) Offered: Fall, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 114 - Ear Training and Sight Singing**

*Credits - 1 Lecture - 1*

This course introduces the fundamentals of singing, dictating, and reading music without accompaniment. It stresses music terminology, rhythms, and intervals.

Corequisite: MUS 111

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 115 - Ear Training and Sight Singing**

*Credits - 1 Lecture - 1*

This course offers practice in singing, dictating, and reading music without accompaniment. It stresses music terminology, rhythms, and intervals.

Prerequisite: MUS 114 Corequisite: MUS 112

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 116 - Ear Training and Sight Singing**

*Credits - 1 Lecture - 1*

This course offers practice in singing, dictating, and reading music without accompaniment. It stresses harmonic dictation, melody that modulates, more advanced rhythms, and larger intervals.

Prerequisite: MUS 115 Corequisite: MUS 113

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 131 - Class Piano**

*Credits - 2 Lecture - 2*

Classroom instruction in piano technique to fit the needs of beginners. This course assumes no piano experience.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 132 - Class Piano**

*Credits - 2 Lecture - 2*

Classroom instruction in piano technique to fit the needs of beginners. This course progresses to both hands simultaneously in harmony and melody.

Prerequisite: MUS 131

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 133 - Class Piano**

*Credits - 2 Lecture - 2*

Classroom instruction in piano technique extending the skills introduced in MUS 131 and MUS 132 through practice and performance.

Prerequisite: MUS 132

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 135 - Class Voice**

*Credits - 2 Lecture - 2*

Designed for beginners in vocal music, this course deals primarily with development of breath control, tone production, articulation and enunciation in a group situation. Classroom performance of song and study of song literature.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 198 - Special Studies**

*Credits - 1-3*

Study of various topics in music. Course is repeatable up to 3 times

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 201 - Introduction to Music and Its Literature**

*Credits - 3 Lecture - 3*

Enjoyment and understanding of music through listening and study of its elements, forms, and historical styles from its origins through 1750.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 202 - Introduction to Music and Its Literature**

*Credits - 3 Lecture - 3*

Enjoyment and understanding of music through listening and study of its elements, forms, and historical styles. Music and composers from 1750 to 1850.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 203 - Introduction to Music and Its Literature**

*Credits - 3 Lecture - 3*

Enjoyment and understanding of music through listening and study of its elements, forms, and historical styles. Music and composers from 1850 to the present.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 205 - Introduction to Jazz History**

*Credits - 4 Lecture - 4*

This course will chronologically survey prominent jazz styles and musicians of the 20th century. Listening will be a large part of the coursework.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.



## **MUS 206 - Introduction to History of Rock Music**

*Credits - 4 Lecture - 4*

A general survey of the history of rock and roll music. Beginning with its roots in African-American folk blues, this course will follow socio-political events that shaped the development of this popular genre. Also to be discussed will be typical instrumental groups, history of electronic amplification of string and keyboard instruments, development of form and lyric content, as well as marketing trends that shape content and intention of rock.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MUS 207 - History of Folk Music**

*Credits - 4 Lecture - 4*

A survey of Anglo-American folk music and its subsequent styles from the first collected folk songs of Cecil Sharp (around 1900) to the present. Beginning with the Appalachian instrumental and vocal traditions, later folk-based styles will be discussed including country music, folk protest, bluegrass, folk rock, and progressive folk. Also to be discussed will be characteristics of the Anglo-American style with musical retentions from British Isles.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **MUS 211 - Music Theory**

*Credits - 3 Lecture - 3*

Continues studies from the MUS 111, MUS 112 and MUS 113 sequence, with emphasis upon review and analysis and composition of 16th century musical styles and trends.

Prerequisite: MUS 111, MUS 112, MUS 113

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 212 - Music Theory**

*Credits - 3 Lecture - 3*

Continues studies on the elements of music, with emphasis upon analysis of music of the Classical period. Analysis of chord structures, basic modulations, and formal analysis will be stressed.

Prerequisite: MUS 211

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 213 - Music Theory**

*Credits - 3 Lecture - 3*

Continues studies on the elements of music, with emphasis upon analysis of music from the Romantic period. Analysis of extended chord structures, advanced modulations, and altered chords will be stressed.

Prerequisite: MUS 212

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **MUS 298 - Special Studies**

*Credits - 1-3*

Selected topics in music including pedagogy, conducting and performance practice.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## Nursing

### NRS 110 - Foundations of Nursing -Health Promotion

*Credits - 9 Lecture - 5 Lab/Clinical - 4*

This course introduces the learner to framework of the OCNE curriculum. The emphasis on health promotion across the life span includes learning about self-health as well as patient health practices. To support self and patient health practices, students learn to access research evidence about healthy lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview patients in a culturally sensitive manner, work as members of a multidisciplinary team giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. Populations studied in the course include children, adults, older adults and the family experiencing a normal pregnancy. Includes classroom and clinical learning experiences. The clinical portion of the course includes practice with therapeutic communication skills and selected core nursing skills identified in the OCNE Core Nursing Skills document.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### NRS 111 - Foundations of Nursing in Chronic Illness I

*Credits - 6 Lecture -3 Lab/Clinical -3*

This course introduces assessment and common interventions (including technical procedures) for patients with chronic illnesses common across the life span in multiple ethnic groups. The patient's and family's "lived experience" of the condition is explored. Clinical practice guidelines and research evidence are used to guide clinical judgments in care of individuals with chronic conditions. Multidisciplinary team roles and responsibilities are explored in the context of delivering safe, high quality health care to individuals with chronic conditions (includes practical and legal aspects of delegation). Cultural, ethical, legal and health care delivery issues are explored through case scenarios and clinical practice. Case exemplars include children with asthma, adolescents with a mood disorder, adults with type 2 diabetes, and older adults with dementia. The course includes classroom and clinical learning experiences.

Prerequisite: NRS 110

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### NRS 112 - Foundations of Nursing in Acute Care I

*Credits - 6 Lecture - 3 Lab/Clinical - 3*

This course introduces the learner to assessment and common interventions (including relevant technical procedures) for care of patients across the lifespan who require acute care, including normal childbirth. Disease/illness trajectories and their translation into clinical practice guidelines and/or standard procedures are considered in relation to their impact on providing culturally sensitive, patient-centered care. Includes classroom and clinical learning experiences.

Prerequisite: NRS 111

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### NRS 221 - Foundations of Nursing in Chronic Illness II/End of Life

*Credits - 9 Lecture - 4 Lab/Clinical - 5*

This course builds on Foundations of Nursing in Chronic Illness I. Chronic Illness II expands the student's knowledge related to family care giving, symptom management and end of life concepts. These concepts are a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self-determination, and autonomy are explored. Complex skills associated with the assessment and management of concurrent illnesses and conditions are developed within the context of patient and family preferences and needs. Skills related to enhancing communication and collaboration as a member of an interprofessional team and across health care settings are further explored. Exemplars include patients with chronic mental illness and addictions as well as other chronic conditions and disabilities affecting functional status and family relationships. The course includes classroom and clinical learning experiences. (Can follow Nursing in

Acute Care II and End-of-Life).

Prerequisite: NRS 112

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **NRS 222 - Foundations of Nursing in Acute Care II/End of Life**

*Credits - 9 Lecture - 4 Lab/Clinical - 5*

This course builds on Nursing in Acute Care I, focusing on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision making skills. Evidence base is used to support appropriate focused assessments, and effective, efficient nursing interventions. Life span and developmental factors, cultural variables, and legal aspects of care frame the ethical decision-making employed in patient choices for treatment or palliative care for disorders with an acute trajectory. Case scenarios incorporate prioritizing care needs, delegation and supervision, and family and patient teaching for either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences. (Can follow Nursing in Chronic Illness II and End-of-Life Care).

Prerequisite: NRS 221

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **NRS 224 - Scope of Practice/Integrated Practicum**

*Credits - 9 Lecture - 2 Lab/Clinical - 7*

This course is designed to formalize the clinical judgments, knowledge and skills necessary in safe, registered nurse practice. Faculty/Clinical Teaching Associate/Student Triad Model provides a context that allows the student to experience the nursing role in a selected setting, balancing demands of professional nursing and lifelong learner. Analysis and reflection throughout the clinical experience provide the student with evaluative criteria against which they can judge their own performance and develop a practice framework. Includes seminar, self-directed study and clinical experience.

Prerequisite: NRS 222

*Term(s) Offered: Spring*

Required for AAS and eligibility for RN licensure.

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **NRS 230 - Clinical Pharmacology I**

*Credits - 3 Lecture - 3*

This course introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the lifespan. It includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics, as well as additional classes of drugs. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of information, understanding of pharmacokinetics and pharmacodynamics, developmental physiologic considerations, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. Drugs are studied by therapeutic or pharmacological class using an organized framework.

Prerequisite: NRS 110

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **NRS 231 - Clinical Pharmacology II**

*Credits - 3 Lecture - 3*

This sequel to Clinical Pharmacology I continues to provide the theoretical background that enables students to provide safe and effective nursing care related to drugs and natural products to persons throughout the lifespan. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of information, monitoring and evaluating the effectiveness of drug therapy,

teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. The course addresses additional classes of drugs and related natural products not contained in Clinical Pharmacology I.

Prerequisite: NRS 230,

*Term(s) Offered: Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **NRS 232 - Pathophysiological Processes I**

*Credits - 3 Lecture - 3*

This course introduces pathophysiological processes that contribute to many different disease states across the lifespan and human responses to those processes. It includes the foundational concepts of cellular adaptation, injury, and death; inflammation and tissue healing; fluid and electrolyte imbalances; and physiologic response to stressors and pain, as well as additional pathophysiological processes. Students will learn to make selective clinical decisions in the context of nursing regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes.

*Term(s) Offered: Fall*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **NRS 233 - Pathophysiological Processes II**

*Credits - 3 Lecture - 3*

This sequel to Pathophysiological Processes I continues to explore pathophysiological processes that contribute to disease states across the lifespan and human responses to those processes. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I.

Prerequisite: NRS 232,

*Term(s) Offered: Winter*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **Reading**

### **RD 090 - Effective Reading Strategies**

*Credits - 3 Lecture - 3*

This course provides directed practice in the development of college reading skills, emphasizing vocabulary skills, comprehension skills, advanced reading skills, and reading for study. Vocabulary skills include dictionary use, word components and etymology, context clues, and multiple meanings of words. Comprehension skills include main ideas and supporting details which signal key concepts and ideas.

*Term(s) Offered: Fall*

### **RD 101 - College Textbook Reading**

*Credits - 3 Lecture - 3*

This course focuses on improving reading and thinking skills through guided reading instruction and extensive guided-practice with academic discipline-based readings. Students will increase college level vocabulary, use effective textbook reading techniques, practice note taking skills, and reading for study. Reading for study includes effective textbook study methods, outlining, study mapping, summarizing, and textbook graphics.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **RD 120 - Critical Reading and Thinking**

*Credits - 3 Lecture - 3*

This course will sharpen students' abilities to think and read clearly, logically, critically, and effectively. Students will develop analytical skills necessary for problem solving and making the best choices in their academic, career, and personal lives. Students regularly interact in group discussions about the thinking and reading process.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **RD 220 - Advanced Critical Reading & Thinking**

*Credits - 3 Lecture - 3*

Students will explore the structure of critical thinking, how to evaluate their own thinking and the thinking of other perspectives using a systematic, disciplined approach. Students will examine critical concepts, questions, and ideas that lead to the further development of critical and ethical reasoning skills and abilities.

Prerequisite: RD 120

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **Science**

### **BI 080 - Anatomy and Physiology**

*Credits - 3 Lecture - 3*

Anatomy and Physiology is the study of the structures of the body and how these structures normally function. Emphasis is on a systemic approach to the study of human anatomy and physiology.

### **BI 101 - General Biology**

*Credits - 4 Lecture - 3 Lab - 1*

A survey course in biological science which fulfills the laboratory science requirement for non-science majors. Topics include biochemistry, cells, genetics, and evolution.

Prerequisite: MTH 025 or Placement.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

### **BI 102 - General Biology for Non-Majors**

*Credits - 4 Lecture - 3 Lab - 1*

This course introduces the nature of scientific inquiry, and applies fundamental concepts of evolution of lower organisms, herbology, and ecology to scenarios and situations to engage the student in critical thinking about how biological principles can be applied to everyday life situations.

Prerequisite: MTH 062 recommended

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

### **BI 103 - General Biology for Non-majors**

*Credits - 4 Lecture - 3 Lab - 1*

This is a one the term study majors science course that fulfills the lab science requirements for the AAOT. This course includes the student of animal diversity as well as an overview of animal systems with an emphasis on humans.

Prerequisite: MTH 062 recommended

*Term(s) Offered: Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 112 - Cell Biology for Health Occupations**

*Credits - 4 Lecture - 3 Lab - 1*

This course introduces the nature of scientific inquiry, and applies fundamental concepts of cellular and molecular biology in preparation for a human anatomy and physiology course to engage the student in critical thinking about how biological principles can be applied to everyday life situations.

Prerequisite: MTH 062 recommended.

BI 112 Should be a lab science. This class is intended for Pre-Nursing students as the preferred prerequisite for A&P.

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 124 - Global Ecology and Conservation Biology**

*Credits - 4 Lecture - 3 Lab - 1*

Introduction to ecology including a multidisciplinary investigation of the ways humans interact with habitats worldwide. Course fulfills the laboratory science requirement for non-science majors.

Prerequisite: MTH 025 or Placement.

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 130 - Survey of Anatomy and Physiology**

*Credits- 5 Lecture - 4 Lab- 1*

Survey of Anatomy & Physiology BI-130 is intended for students entering the field of study in Medical Assisting or any student who needs a basic understanding of the structure and function of the human body. This course is a survey course of human anatomy and physiology and provides a broad overview of the subject. This is a one quarter course encompassing the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems.

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 149 - Human Genetics**

*Credits - 3 Lecture - 3*

An introductory lecture course in genetics with emphasis on human aspects. Topics include cellular basis of genetics, Mendelian inheritance, evolutionary genetics, and the molecular basis of inheritance.

Prerequisite: MTH 025 or Placement.

*Offered Fall term. Mandatory for nursing program Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **BI 160 - Local Ecosystems**

*Credits - 1 Lab - 1*

An introductory field ecology course with emphasis placed on the safe, ethical and educational study of unique ecosystems. Emphasis will be on relationships among plants, animals and the general geologic formation of various life zones.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **BI 161 - Ecosystems Recovery**

*Credits - 2 Lecture - 1 Lab - 1*

An introductory field ecology course with emphasis on the safe, ethical and educational study of ecosystems recovery. Fieldwork centers around the effects of subsequent natural ecological succession and reclamation projects, as well as on relationships among plants, animals and the general geologic formation of various life zones.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **BI 162 - Selected Topics in Natural History**

*Credits - 4 Lecture - 3 Lab - 1*

The course covers the field study of natural environments. Instructor approval required. The course may be repeated for credit with different subtitles. The specific title of the course

*Offered in any given term will be listed in the class schedule.*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 163 - Natural History of Oregon**

*Credits - 4 Lecture - 3 Lab - 1*

Introduction to Oregon's biogeographic provinces. The organisms, communities, geology, and the interactions of these to form the different provinces will be studied. Extended field trips will be taken. Instructor approval required.

*Offered periodically.*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 198 - Special Studies**

*Credits - 1-3*

Provides interested and capable students the opportunity to study special topics in the field of biology.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **BI 211 - General Biology**

*Credits - 5 Lecture - 4 Lab - 1*

This course introduces the nature of scientific inquiry, and applies fundamental concepts of cellular and molecular biology to scenarios and situations to engage the student in critical thinking about how biological principles can be applied to everyday life situations. This course is designed for students who are majoring in the sciences typically for degrees in Biological Science or degrees related to the pre-professional programs such as pharmacology, medicine, forestry & wildlife.

Prerequisite: MTH 062 recommended.

*Term(s) Offered: Fall*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 212 - General Biology for Majors**

*Credits - 5 Lecture - 4 Lab - 1*

This is a one term majors science course that fulfills the lab science requirements for the AAOT. This course includes the study of animal diversity as well as an overview of animal systems with an emphasis on humans.

Prerequisite: MTH 062 recommended.

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 213 - General Biology for Majors**

*5 44 hours 33 hours*

This course introduces the nature of scientific inquiry, and applies fundamental concepts including the taxonomy of lower organisms, plant physiology and ecology to scenarios and situations engaging the student in critical thinking about how biological principles can be applied to everyday life situations. This course is designed for students who are majoring in the sciences typically for degrees in Biological Science or degrees related to the pre-professional programs such as pharmacology, medicine, forestry & wildlife.

## **BI 231 - Human Anatomy and Physiology**

*Credits - 4 Lecture - 3 Lab - 1*

This course provides students with the opportunity to study the structure and function of the human body from a systematic perspective, while emphasizing homeostasis, multiple levels of organization, organ system interaction, and complementarity of structure and function.

Specific topics include: the integumentary, skeletal, and cardiovascular systems. Laboratory sessions include dissecting animal specimens, conducting physiological experiments and/or examining case studies, examining microscope slides or images of slides, and studying anatomical models

Prerequisite: BI 112 or a Human Anatomy and Physiology course at the 200-level or higher.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 232 - Human Anatomy and Physiology**

*Credits - 4 Lecture - 3 Lab - 1*

This course provides students with the opportunity to study the structure and function of the human body from a systematic perspective, while emphasizing homeostasis, multiple levels of organization, organ system interaction, and complementarity of structure and function. Specific topics include: the muscular and nervous systems, special senses, and the endocrine system. Laboratory sessions include dissecting animal specimens, conducting physiological experiments and/or examining case studies, examining microscope slides or images of slides, and studying anatomical models.

Prerequisite: BI 112 or a Human Anatomy and Physiology course at a 200-level or higher

*Term(s) Offered: Winter, Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 233 - Human Anatomy and Physiology**

*Credits - 4 Lecture - 3 Lab - 1*

This course provides students with the opportunity to study the structure and function of the human body from a systematic perspective, while emphasizing homeostasis, multiple levels of organization, organ system interaction, and complementarity of structure and function. Specific topics include: the lymphatic, respiratory, digestive, urinary, and reproductive systems. Laboratory sessions include dissecting animal specimens, conducting physiological experiments and/or examining case studies, examining microscope slides or images of slides, and studying anatomical models.

Prerequisite: BI 112 or a Human Anatomy and Physiology course at the 200-level or higher

*Term(s) Offered: Fall, Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 234 - Microbiology**

*Credits - 4 Lecture - 3 Lab - 1*

This course introduces the nature of scientific inquiry, and applies fundamental concepts of microbiology to scenarios and situations in public health to engage the student in critical thinking about how biological principles can be applied to everyday life situations. The course is designed for students fulfilling nursing prerequisites and is appropriate to students pursuing a biological science or medical degree.

Prerequisite: MTH 062 recommended.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BI 260 - Microbiology**

*Credits - 5 Lecture - 4 Lab - 1*

This course introduces the nature of scientific inquiry, and applies fundamental concepts of microbiology to scenarios and situations in public health to engage the student in critical thinking about how biological principles can be applied to everyday life situations. The course is designed for students fulfilling nursing prerequisites and is appropriate to students pursuing a biological science or medical degree.

Recommended Prerequisite: MTH 062

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **BOT 221 - Systematic Botany**

*Credits - 4 Lecture - 3 Lab - 1*

An introductory course in plant systematics with emphasis placed on the proficient use of Hitchcock's "Flora of the Pacific Northwest." The recognition characteristics of plant families plus the identification of local plants is stressed in this course.

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.



## CH 104 - Introductory Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers matter and measurements; atoms and the periodic table; ionic compounds; covalent compounds; chemical reactions; energy changes, reaction rates, and equilibrium; gases, liquids and solids; solutions; acids and bases; and nuclear chemistry.

Prerequisite: MTH 070 or placement

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## CH 105 - Introductory Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers introduction to organic molecules and functional groups; alkanes; unsaturated hydrocarbons; organic compounds that contain oxygen, halogen, or sulfur; the three-dimensional shape of molecules; aldehydes and ketones; carboxylic acids, esters and amides; amines and neurotransmitters.

Prerequisite: CH 104 or higher (CH110 & 221)

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## CH 106 - Introductory Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers lipids; carbohydrates; amino acids, proteins and enzymes; nucleic acids and protein synthesis; metabolism and energy production; carbohydrate production; carbohydrate, lipid and protein metabolism; and body fluids.

Prerequisite: CH 105

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## CH 110 - Foundations of Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers matter and measurements; Atoms and the periodic table; ionic compounds; covalent compounds; chemical reactions; energy changes, reaction rates, and equilibrium; introduction to gases, liquids, solids and solutions; introduction to organic molecules and functional groups; organic compounds in polymers and body; the three-dimensional shape of molecules; organic compounds that contain oxygen; introduction to biological functional groups.

Prerequisite: MTH 070 or placement

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## CH 221 - General Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers atoms; measurement, problem solving and the mole concept; the quantum-mechanical model of the atom; periodic table of the elements; molecules and compounds; chemical bonding I; drawing Lewis structures and determining molecular shapes; chemical bonding II: valence bond theory and molecular orbital theory; chemical reactions and chemical quantities; introduction to solutions and aqueous reactions.

Prerequisite: MTH 095 Corequisite: MTH 111

*Term(s) Offered: Fall*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## CH 222 - General Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers thermochemistry; gasses; liquids, solids and intermolecular forces; phase diagrams and crystalline solids; solutions; chemical kinetics; and organic chemistry.

Prerequisite: CH 221 and MTH 111

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## CH 223 - General Chemistry

*Credits - 5 Lecture - 4 Lab - 1*

This course covers chemical equilibrium; acids and bases; aqueous ionic equilibrium; free energy and thermodynamics, electrochemistry; radioactivity and nuclear chemistry; and transition metals and coordination compounds.

Prerequisite: CH 222

*Term(s) Offered: Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## G 101 - Introduction to Geology - Minerals and Rocks

*Credits - 4 Lecture - 3 Lab - 1*

A study of the structure and composition of the Earth; minerals; sediments and soils; igneous, metamorphic, and sedimentary rocks. Students will also be introduced to geologic mapping, and groundwater.

Prerequisite: MTH 062 Recommended. Course fulfills laboratory science requirement. Need not be taken in sequence. This becomes an elective if G 201 is taken

*Term(s) Offered: Fall, Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## G 102 - Introduction to Geology - Environmental Geology

*Credits - 4 Lecture - 3 Lab - 1*

This course examines plate tectonics; geologic hazards such as earthquakes, volcanoes, and mass wasting; surface processes; and the use of geologic and atmospheric resources. Special consideration will be given to how human society interacts with these geologic systems.

Prerequisite: MTH 062 Recommended. Course fulfills laboratory science requirement. Need not be taken in sequence. This becomes an elective if G 202 is taken

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## G 103 - Introduction to Geology - Historical Geology

*Credits - 4 Lecture - 3 Lab - 1*

An overview of the geologic interpretation of the Earth's history. Methods for interpreting the geologic record, the stratigraphic history of North America, and the continuity of life as it is interpreted from the fossil record will be discussed.

Prerequisite: MTH 062 Recommended. Course fulfills laboratory science requirement. Need not be taken in sequence. This becomes an elective if G 203 is taken.

*Term(s) Offered: Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## G 105 - Introduction to Geology: Pacific Northwest Geology

*Credits - 4 Lecture - 3 Lab - 1*

This course uses examples from the Pacific Northwest to illustrate basic concepts in Geology. Students will be introduced to common rock types, plate tectonics, geologic phenomena, geomorphology, and the geologic history.

Prerequisite: MTH 062 Recommended.

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## G 147 - Basic Geology

*Credits - 3 Lecture - 3*

An introduction to physical geology, designed to help one become more aware of the processes that shape our geological environment.

Topics include rock and mineral formation and identification, volcanoes, earthquakes, plate tectonics, glaciations. Field trips where appropriate.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **G 198 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in geology. A study of the regional geology of the Pacific Northwest.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **G 201 - Physical Geology**

*Credits - 4 Lecture - 3 Lab - 1*

An in-depth study of the structure and composition of the Earth; minerals; igneous, sedimentary, and metamorphic rocks; tectonic structures; and different types of geologic maps.

Prerequisite: MTH 070 or Placement and WR 115 or Placement Need not be taken in sequence. G 101, if it has been taken, becomes an elective if G201 is taken

*Term(s) Offered: Fall*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **G 202 - Physical Geology**

*Credits - 4 Lecture - 3 Lab - 1*

An in-depth study of the structure and composition of the Earth; mineral s; igneous, sedimentary, and metamorphic rocks; tectonic structures; and different types of geologic maps.

Prerequisite: MTH 070 or Placement and WR 115 or Placement Need not be taken in sequence. G 102, if it has been taken, becomes an elective if G202 is taken

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **G 203 - Historical Geology**

*Credits - 4 Lecture - 3 Lab - 1*

A more in-depth study of the geologic interpretation of the Earth's history. Methods for interpreting the geologic record, the stratigraphic history of North America, and the continuity of life as it is interpreted from the fossil record will be discussed.

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **GEOG 101 - Physical Geography**

*Credits - 4 Lecture - 4*

Introduction to physical geography of the earth with specific emphasis on landforms, climate, vegetation, and soils and on the interaction between humans and these elements.

Prerequisite: WR 060 or Placement

*Term(s) Offered: Summer, Fall, Winter, Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **GS 104 - Physical Science/Physics**

*Credits - 4 Lecture - 3 Lab - 1*

A one-term introduction to the fundamental physical concepts that form the foundation for all of the physical sciences. Topics include measurement, motion, mechanics, and pressure.

Prerequisite: MTH 070 or Placement

*Term(s) Offered: Fall*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **GS 105 - Physical Science/Chemical Concepts**

*Credits - 4 Lecture - 3 Lab - 1*

A one-term introduction to chemistry and its application to everyday phenomena. Topics include structure of the atom, chemical bonding, solutions, acids and bases, and chemical reactions.

Prerequisite: MTH 070 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **GS 107 - Physical Science/Astronomy**

*Credits - 4 Lecture - 3 Lab - 1*

A one-term introduction to astronomy that surveys the history of astronomy, our solar system, galaxy, and universe. Topics of current interest to astronomers will be presented. Course includes outdoor observations.

Prerequisite: MTH 070 or Placement

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **GS 110 - Physical Science/Energy**

*Credits - 4 Lecture - 3 Lab - 1*

Overview of the sources of energy in nature. Emphasis on how energy is coupled to specific principles and processes related to physics and chemistry. Topics include heat, radioactivity, light, sound, and electricity.

Prerequisite: MTH 070 or Placement

*Term(s) Offered: Winter, Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **GS 111 - Physical Science/Forensic Science**

*Credits - 4 Lecture - 3 Lab - 1*

A one-term introduction to criminalistic theories and practices, including basic techniques of investigation. Topics include fingerprints, blood typing, photography and casting techniques. Course fulfills a laboratory science requirement.

Prerequisite: MTH 025 or Placement and RD 090 or Placement

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **GS 160 - Observational Astronomy**

*Credits - 3 Lecture - 3*

A one-term non-laboratory introduction to astronomy with emphasis on observing the night sky and fundamental astronomical concepts. Course includes outdoor observations.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **GS 198 - Special Studies**

*Credits - 1-3*

This seminar course is offered on the basis of demand and covers diverse topics in the natural and physical sciences.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **PHY 101 - Essentials of Physics**

*Credits - 4 Lecture - 3 Lab - 1*

This course introduces the nature of scientific inquiry, and apply fundamental concepts of physics to scenarios and situations to engage the student in critical thinking about how physics principles can be applied to everyday life situations.

Prerequisite: MTH 062 Recommended.

*Term(s) Offered: Winter, Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## PHY 198 - Special Studies

*Credits - 1-3*

This course provides an opportunity for a student to participate in either a seminar or laboratory project outside of the regular class situation. The number of credits is variable and will be arranged by the instructor.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## PHY 201 - General Physics

*Credits - 5 Lecture - 4 Lab - 1*

First of a three course sequence that provides an introduction to basic principles in physics. This course introduces concepts of motion, force, energy, and fluids. This course is designed for students who require a non-calculus based physics course as part of their course of study.

Prerequisite: MTH 112 or MTH 251 or higher. WR 115 or placement Preferred Prerequisite: WR 227. This becomes an elective if PHY 211 is taken.

*Term(s) Offered: Fall*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## PHY 202 - General Physics

*Credits - 5 Lecture - 4 Lab - 1*

First of a three course sequence that provides an introduction to basic principles in physics. This course introduces concepts of motion, force, energy, and fluids. This course is designed for students who require a non-calculus based physics course as part of their course of study.

Prerequisite: PHY 201 or PHY 211. This becomes an elective if PHY 212 is taken.

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## PHY 203 - General Physics

*Credits - 5 Lecture - 4 Lab - 1*

Third of a three course sequence that provides an introduction to basic principles in physics. This course introduces concepts of electricity, magnetism, and quantum theory. This course is designed for students who require a non-calculus based physics course as part of their course of study.

Prerequisite: PHY 201 or PHY 211. This becomes an elective if PHY 213 is taken.

*Term(s) Offered: Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## PHY 211 - General Physics with Calculus

*Credits - 5 Lecture - 4 Lab - 1*

First of a three course sequence that provides an introduction to basic principles in physics. This course introduces concepts of motion, force, energy, and fluids. This course is designed for students who require a calculus based physics course as part of their course of study; typically for degrees in Physical Science or Engineering .

Prerequisite: WR 115 or Placement and MTH 112 or higher; with MTH 251 as a corequisite.

Preferred Prerequisite: WR 227 ,PHY 201, if it has been taken, becomes an elective if PHY 211 is taken.

*Term(s) Offered: Fall*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## PHY 212 - General Physics with Calculus

*Credits - 5 Lecture - 4 Lab - 1*

Second of a three course sequence that provides an introduction to basic principles in physics. This course introduces concepts of rotational and harmonic motion, mechanical waves, optics, and thermodynamics. This course is designed for students who require a non-calculus based physics course as part of their course of study .

Prerequisite: PHY 211 and MTH 251.

PHY 202, if it has been taken, becomes an elective if PHY 212 is taken.

*Term(s) Offered: Winter*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **PHY 213 - General Physics with Calculus**

*Credits - 5 Lecture - 4 Lab - 1*

Third of a three course sequence that provides an introduction to basic principles in physics. This course introduces concepts of electricity, magnetism, and quantum theory. This course is designed for students who require a non-calculus based physics course as part of their course of study.

Prerequisite: PHY 211 and MTH 252 .

PHY 203 if it has been taken, becomes an elective if PHY 213 is taken.

*Term(s) Offered: Spring*

**Course Designation:** Lab Science - Courses that meet the laboratory requirement.

## **Social Science**

### **ANTH 101 - Introduction to Physical Anthropology**

*Credits - 4 Lecture - 4*

Principles of evolution applied to evidence for human physical change and development; study of fossil humans and human variation.

Satisfies science group requirements at some four-year colleges.

Prerequisite: WR 060 or placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ANTH 102 - Introduction to Archaeology and Prehistory**

*Credits - 4 Lecture - 4*

Study of archaeological methods and evidence for the evolution of human cultures and an understanding of how and why cultures change.

Prerequisite: WR 060 or placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

### **ANTH 103 - Introduction to Cultural Anthropology**

*Credits - 4 Lecture - 4*

Study of the organization and functioning of selected world cultures, both Western and non-Western groups.

Prerequisite: WR 060 or placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

### **ANTH 298 - Special Studies**

*Credits - 1-3*

Special topics in anthropology.

Recommended preparation: WR 060

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

### **EC 198 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in economics.

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **EC 201 - Principles of Microeconomic Theory with Applications**

*Credits - 4 Lecture - 4*

Introduction to Microeconomics. Focuses on the behavior of individual consumers and business firms and how their interaction leads to a set of prices that act to allocate scarce resources among alternative uses. This course includes applications of microeconomic theory to current economic problems.

Prerequisite: WR 060 or Placement, MTH 070 or higher

WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **EC 202 - Principles of Macroeconomic Theory with Applications**

*Credits - 4 Lecture - 4*

Introduction to Macroeconomics. This course focuses on the behavior of economic aggregates or the economy as a whole. National income determination, measuring economic performance and public policy tools for dealing with inflation, unemployment, etc. are discussed. This course includes applications of microeconomic theory to current economic problems.

Prerequisite: WR 060 or Placement, MTH 070 or higher

WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **GEOG 103 - Human Geography**

*Credits - 4 Lecture - 4*

This course introduces students to the discipline of geography and studies patterns of a wide variety of topics including industry and economy, population, language, religion, ethnicity, urban patterns, politics, and the effects of globalization on these patterns.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **GEOG 120 - World/Regional Geography**

*Credits - 4 Lecture - 4*

This course studies world patterns of the natural and cultural environments and focuses on the place of each geographic region in the world community.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **GEOG 206 - Geography of Oregon**

*Credits - 4 Lecture - 4*

This course considers natural environment, population growth, and settlements. Special emphasis is placed on the historical geography of selected areas of the state. A study of the diverse landscapes of Oregon.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon

transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **GEOG 298 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in geography.

Recommended preparation: WR 060

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **HST 201 - History of the United States**

*Credits - 4 Lecture - 4*

History 201 provides a broad overview of the historical events that helped create the United States, as well as their causes. The goal is to acquaint students with major events of the region, their chronology and to stimulate creative and critical thought about the history of US. Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **HST 202 - History of the United States**

*Credits - 4 Lecture - 4*

This course begins with expansion and slavery, covers the Civil War and Reconstruction and concludes with the rise of the industrial state and the Progressive Era. The course will cover the period from c. 1815 to 1917.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **HST 203 - History of the United States**

*Credits - 4 Lecture - 4*

This course begins with the Progressive Era and covers development through the Twentieth Century to the present.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **HST 298 - Special Studies**

*Credits - 1-3*

Specialized courses which may be Offered periodically depending on demand and availability.

Recommended preparation: WR 060

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **PS 198 - Special Studies**

*Credits - 1-3*

Designed to provide interested and capable students with the opportunity to study special topics in political science.

Recommended preparation: WR 060

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.



## **PS 201 - American Government and Politics**

*Credits - 4 Lecture - 4*

This course begins by examining the Constitutional principles of the United States government. Students will learn about the decision making process behind American politics.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PS 202 - American Government and Politics**

*Credits - 4 Lecture - 4*

This course will provide an overview of American political institutions. Students will study individual rights and liberties. The term concludes with an examination of current national policy issues.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PS 203 - American Government/State and Local**

*Credits - 4 Lecture - 4*

Examines politics and government in the American states. Emphasis will be on the State of Oregon.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PSY 201 - General Psychology**

*Credits - 4 Lecture - 4*

The first of two survey courses of the basic concepts and principles of psychology. Specific topics include: the history of psychology and research methods of psychology; the biological basis of behavior, sensory and perceptual processes; states of consciousness including sleep and dreams; learning, memory, and intelligence. Emphasis is both theoretical and applied.

Prerequisite: WR 115

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PSY 202 - General Psychology**

*Credits - 4 Lecture - 4*

The second of two survey courses of the basic concepts and principles of psychology. Specific topics include: motivation, emotion, stress & health, human development, personality, psychological disorder and treatment, and social psychology. Emphasis is on both theory and application.

Prerequisite: PSY 201

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **PSY 237 - Human Development**

*Credits - 4 Lecture - 4*

A life-span examination of change and consistency as people age. Studies the stages of conception to birth, infancy, childhood, adolescence and adulthood as influenced by maturation and socialization. Includes discussion of research strategies and theories of behavior.

Prerequisite: PSY 201

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **SOC 198 - Special Studies**

*Credits - 1-3*

This course is designed to provide interested and capable students special topics in sociology.

Recommended preparation: WR 060

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **SOC 204 - General Sociology: Sociology in Everyday Life**

*Credits - 4 Lecture - 4*

This course is a sociological study of social group behavior and social structures, emphasizing diversity and commonalities among groups within society. Topics are examined through the framework of sociological perspectives, encouraging critical thinking and personal responsibility about social issues.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **SOC 205 - General Sociology/Institutions and Social Change**

*Credits - 4 Lecture - 4*

This course introduces the following major social institutions: family, religion, education, economics, politics, and health care and the problems and issues existing within each. The focus is on modern American society and the impact of social change on major institutions.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **SOC 213 - Minorities**

*Credits - 4 Lecture - 4*

A survey of minority groups, with special emphasis on local groups in which causes and consequences of minority status are examined. By confronting the pervasive nature of prejudice and discrimination, we will explore the dynamics of institutionalized racism, focusing specifically on race relations within our social institutions. The political, economic, and social lives of several groups - White Ethnic Americans, Native Americans, Asian Americans, Latinos and African Americans will be explored.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **SOC 217 - Family and Society**

*Credits - 4 Lecture - 4*

This course covers the historical development of the family as an institution, its structure and functions, and changes in contemporary American society. Emphasis is placed on changes that produce societal and individual stress.

Prerequisite: WR 060 or Placement

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees. Cultural Awareness.

## **Theatre**

## TA 101 - Introduction to the Theatre

*Credits - 4 Lecture - 4*

This course provides an introduction to the world of the theatre by exploring the origins of drama, historical and contemporary styles of playwriting and theatrical performance, the components of a stage production, and the many functions of the artists and craftspeople who collaborate to make theatre happen.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall, Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## TA 141 - Fundamentals of Acting Techniques

*Credits - 4 Lecture - 4*

Introduction to the fundamentals of acting and the use of acting skills for personal and professional growth. Class exercises focus on body, voice, memorization, increased self-awareness, relaxation, and giving and receiving constructive feedback. Students learn to apply fundamental acting terminology and techniques through character and scene analysis. This is the first in a three-course sequence.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## TA 142 - Fundamentals of Acting Techniques

*Credits - 4 Lecture - 4*

Students are introduced to in-depth character analysis and more advanced scene work. Performance material includes a ten-minute play and monologue written in contemporary language. Other topics include development of the actor's voice, release of tension, script analysis, and analyzing the work of other actors. This is the second in a three-course sequence.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## TA 143 - Fundamentals of Acting Techniques

*Credits - 4 Lecture - 4*

Continued in-depth character and scene work. Students learn to believably and compellingly act in scenes and monologues from contemporary or classic dramatic literature with heightened emotional stakes. Topics include auditioning techniques, development of the actor's voice, relaxation, script analysis, and analyzing the work of other actors. This is the third in a three-course sequence.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## TA 165 - Technical Theatre Workshop

*Credits - 3 Lab - 3*

This course provides the opportunity to explore the various technical components of a theatrical production through hands-on participation in the off-stage activities necessary for the staging of a play.

Activities may include, but are not limited to: set design, construction, and decoration; costume design and construction; lighting design, installation, and light board operation; sound design and operation; stage management; backstage crew work during performances; hair and makeup design and application, and others. No previous technical theatre experience or training is required, and enrollment is open to new participants every term.

*Term(s) Offered: Fall, Winter, Spring*

*May be repeated for a maximum of 9 credits.*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **TA 180 - Theatre Rehearsal and Performance**

*Credits - 3 Lab - 3*

This course provides credit for rehearsal and performance in a play or musical. No previous acting experience or training is required, and enrollment is open to new participants every term; registration contingent upon being cast in a current production.

*Term(s) Offered: Fall, Winter, Spring*

*May be repeated for a maximum of 9 credits.*

**Course Designation:** Elective - A transferable course that can be used to fulfill undesignated elective requirements in the associate's degree programs.

## **TA 241 - Intermediate Acting Techniques**

*Credits - 4 Lecture - 4*

This course provides a positive environment for second level development of self-confidence, creative thinking, artistic expression, enhanced communications skills, and an understanding of the collaborative process of stage acting. Through participation in acting exercises, improvisational games, prepared scenes and monologues, play analyses, and other theatrical activities, students explore a wide variety of contemporary actor training techniques. A portion of this course includes a focus on advanced level auditioning skills.

This course is not just for students seeking a career in the theatre; it is designed for any student seeking to improve their life skills for greater personal and professional success in the career of their choice. Enrollment is open to new participants every term.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended.

*Term(s) Offered: Fall*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **TA 242 - Intermediate Acting Techniques**

*Credits - 4 Lecture - 4*

This course provides a positive environment for second level development of self-confidence, creative thinking, artistic expression, enhanced communications skills, and an understanding of the collaborative process of stage acting. Through participation in acting exercises, improvisational games, prepared scenes and monologues, play analyses, and other theatrical activities, students explore a wide variety of contemporary actor training techniques. A portion of this course includes advanced work in the silent art of mime.

This course is not just for students seeking a career in the theatre; it is designed for any student seeking to improve their life skills for greater personal and professional success in the career of their choice. Enrollment is open to new participants every term.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended. May be taken without previous acting experience or coursework.

*Term(s) Offered: Winter*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **TA 243 - Intermediate Acting Techniques**

*Credits - 4 Lecture - 4*

This course provides a positive environment for second level development of self-confidence, creative thinking, artistic expression, enhanced communications skills, and an understanding of the collaborative process of stage acting. Through participation in acting exercises, improvisational games, prepared scenes and monologues, play analyses, and other theatrical activities, students explore a wide variety of contemporary actor training techniques. A portion of this course includes the opportunity for public performance and, potentially, the opportunity to direct a short play.

This course is not just for students seeking a career in the theatre; it is designed for any student seeking to improve their life skills for greater personal and professional success in the career of their choice. Enrollment is open to new participants every term.

Prerequisite: WR 060 or Placement, WR 115 strongly recommended. May be taken without previous acting experience or coursework.

*Term(s) Offered: Spring*

**Course Designation:** Discipline Studies - A transferable course that meets distribution (group) requirements in the associate of arts Oregon transfer (A.A.O.T.) degree and the associate of science (A.S.) degree. Note: Courses meeting distribution requirements may always be used as electives in the transfer degrees.

## **Welding**

### **WLD 111 - Basic Gas and Arc Welding**

*Credits - 3 Lab - 3*

In introduction to welding practices including oxyacetylene welding and cutting, arc welding, welding rod identification and application, properties of metals, joint preparation, and weld faults and identification.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **WLD 112 - Advanced Arc Welding**

*Credits - 3 Lab - 3*

An advanced level course for students who know welding safety, basic practices and terminology. Student will learn higher-level practices and improve their skills learned in the basic class.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **WLD 221 - TIG Welding**

*Credits - 3 Lab - 3*

Designed for students who have basic level welding skills to introduce Tungsten Arc Welding techniques including the setup of equipment for the welding process.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **WLD 253 - Welding Practices for Certification**

*Credits - 3 Lab - 3*

Designed for students who have advanced level arc welding skills to prepare for structural certification. Weld coupons will be tested and documented when they have passed the required weld strength and quality.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

### **WLD 256 - Pipe Welding for Certification**

*Credits - 3 Lab - 3*

Designed for students who have advanced level arc welding skills to introduce pipe-welding techniques to prepare for pipe welding certification. Weld coupons will be tested and documented when they have passed the required weld strength and quality.

*Term(s) Offered: Fall, Winter, Spring*

**Course Designation:** C/T Elective - A maximum of 12 credits of college-level career and technical courses may be used as electives in the A.A.O.T. and the A.A.S. degrees.

## **Other Courses**

### **009 .620 - UAS History**

*Credits - 0 Contact Hours - 2*

The history of Unmanned Aircraft Systems covering their usage through the years from early development to current and future applications.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .621 - UAS Weather**

*Credits - 0 Contact Hours - 7*

Understanding the intricacies and various aspects of weather that influence flight planning for UAS operations.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .622 - UAS Airframes and Aerodynamics**

*Credits - 0 Contact Hours - 4*

All the different types of airframe, the functionalities of various models and the aerodynamic principles that effect the aircraft.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .623 - National Airspace for UAS Operations**

*Credits - 0 Contact Hours - 7*

UAS integration into the National Airspace, airspace map interpretation, airspace communications, flight and mission planning

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .624 - UAS System Designs and Components**

*Credits - 0 Contact Hours - 7*

An overview of all UAS designs and subsystems, the propulsion, electrical and communication configurations that are comprise within the UAS.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .625 - UAS Autopilot Programming and Fundamentals**

*Credits - 0 Contact Hours - 8*

An understanding of the operations of various autopilots currently used in the UAS Industry.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .626 - UAS Sensors and Payload Operations**

*Credits - 0 Contact Hours - 4*

Operational use and understanding of UAS sensors and the aircraft fundamentals of payload placement and integration.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .627 - UAS Simulator Applications and Operations**

*Credits - 0 Contact Hours - 14*

Practical training with a UAS in a virtual environment to conduct operations using a sensor.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

### **009 .628 - UAS FFA Regulations**

*Credits - 0 Contact Hours - 7*

Understanding of the current FAA regulations that govern UAS operations in the national airspace system.

**Course Designation:** Non-credit course for the UAS Professional Pilot Non-Credit Training Certificate.

## **Additional Degree and Transfer Information**

- Degree and Certificate Options Definitions
- Transfer Status
- Apprenticeship
- BMCC General Education Outcomes

## Degree and Certificate Options

**ASSOCIATE OF GENERAL STUDIES DEGREE (A.G.S.)** This is a non-designated two-year degree that consists of both career and technical education (CTE) courses and college-transfer courses.

A total of 90 credits are required for this degree. All courses must be completed with a grade of "C" or better. Students must have a minimum cumulative GPA of 2.0 at the time the A.G.S. is awarded.

**ASSOCIATE OF APPLIED SCIENCE DEGREE (A.A.S.)** This degree is awarded to students who complete the requirements of a two-year designated program as outlined in the college catalog.

These degrees are two-year designated career and technical programs requiring a minimum of 90 credits. Each degree listed on the following pages includes program requirements and foundational requirements designed to meet core competencies that meet state requirements for writing, speech, mathematics/computer science, human relations, and general education.

These degrees are two-year designated career and technical programs requiring a minimum of 90 credits. Each degree listed on the following pages includes program requirements and foundational requirements designed to meet core competencies that meet state requirements for writing, speech, mathematics/computer science, human relations, and general education.

**CERTIFICATE OF COMPLETION** This certificate is awarded to students who complete the requirements of a specific curriculum of less than two academic years.

The certificate of completion must include at least 9 credit hours of foundational requirement courses in the areas of communication, computation, and human relations. For specific program requirements, see the Program Description section of this catalog. Program requirements are subject to change. Please consult with an advisor for the most up-to-date information.

**CAREER PATHWAYS CERTIFICATE OF COMPLETION (CPCC)** This is a less-than-one-year certificate in which all courses are contained within an existing A.A.S. or certificate program. The career pathway certificate provides a credential to acknowledge skill proficiency tied to a specific occupation, allowing the student to select that occupation or apply all coursework to an associated certificate or A.A.S. degree.

**STATEWIDE CAREER PATHWAYS CERTIFICATE OF COMPLETION (SCPC)** This is a less-than-one-year certificate in which all courses are contained within an existing A.A.S. or certificate program. The career pathway certificate provides a credential to acknowledge skill proficiency tied to a specific occupation, allowing the student to select that occupation or apply all coursework to an associated certificate or A.A.S. degree.

## Transfer Degree Options

- Associate of Arts Oregon Transfer (AAOT)
- Associate of Science (AS)
- Associate of Science Transfer - Business (AST)
- Associate of Arts Oregon Transfer - Elementary Education (AAOT-Education)
- Associate of General Studies (AGS)
- Associate of Science Oregon Transfer/Business (ASOT/Bus)
- Associate of Science Oregon Transfer/Computer Science (ASOT/CS)

## Career and Technical Programs A.A.S./Certificates and Career Pathways Certificates of Completion (CPCC)

Career Pathways

Blue Mountain Community College provides educational opportunities in the following programs. These programs provide students with training to qualify them for work in specific fields. Career Pathway Certificates, One-year certificates and/or two-year associate of applied science degrees are offered in the following areas: Degrees and Certificate Programs

## **BMCC General Education Outcomes**

The education of undergraduate students who obtain the AAOT degree is an essential activity of all Oregon community colleges and universities. This requires effective General Education curriculum that aligns to Statewide General Education Outcomes. Through the course offerings necessary to attain an AAOT degree, BMCC students will have achieved the following general education outcomes:

### **Arts & Letters**

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

### **Cultural Literacy**

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

### **Mathematics**

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

### **Science or Computer Science**

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

### **Social Science**

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

### **Speech/Oral Communication**

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

### **Writing**

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

### **Information Literacy**

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

## **Transfer Status**



Any student who holds an AAOT, AS, or ASOT degree that conforms to the guidelines set forth herein, and who transfers to any institution in the Oregon University System, will have met the lower division general education requirements of that institution's baccalaureate degree programs. Students transferring with this degree will have junior standing for registration purposes. For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admission requirement: two terms of a college level second language with an average grade of C or above, OR two years of the same high school level second language with an average grade of C or above, OR satisfactory performance on an approved second language assessment of proficiency. Demonstrated proficiency in American Sign Language meets this second language admission requirement.

- Oregon Transfer Module (OTM)
- Core Transfer Maps

## Apprenticeship

Apprenticeship training as a method of career and technical education is recognized by the Apprenticeship and Training Division of the Oregon Bureau of Labor and Industries (BOLI). It combines on-the-job training and trade-related instruction taken in conjunction with each other. Apprenticeship courses are approved for BOLI-registered apprentices or journey-level workers and are not available to the general public.

BMCC's apprenticeship program offers Statewide Associate of Applied Science degrees (SAAS) and certificates of completion for journeymen in the areas of inside electrician, manufacture plant electrical, limited maintenance electrical, plumbing, industrial maintenance mechanic, and programmable logic controller technician as part of Oregon's community college statewide apprenticeship degree program. The program provides statewide transfer opportunities, certificates of completion, and an optional transfer path into either a bachelor of applied in technology and management or a Bachelor of Science degree in operations management at the Oregon Institute of Technology. Electricians and plumbers require state licensure. Related training courses meet industry standards and are offered through a partnership between the Oregon State Apprenticeship Training Council and the local Joint Apprenticeship Training Committee. If you are interested in becoming registered in an Oregon State Apprenticeship program, please contact the Oregon State Bureau of Labor and Industries Apprenticeship Training Division at 971-673-0761 or [www.boli.state.or.us](http://www.boli.state.or.us) for program and entrance requirements. For more information on BMCC's apprenticeship certificates and degrees, see pages 58, 65-66 and 69 of this catalog, or contact the Director of Apprenticeship at 541-278-5854.

## Inter-College Partnerships and Articulated Degree Programs

### Inter-College Partnerships and Articulated Degree Programs

#### Inter-College Partnerships

##### Eastern Oregon Collaborative Colleges Council (EOCCC)

BMCC, Treasure Valley Community College (TVCC), and Eastern Oregon University (EOU) have worked together in several academic disciplines to improve articulation opportunities for students, allowing them to share lower division course work among BMCC, TVCC, and EOU; to transfer those credits to EOU; and to complete upper division courses at EOU culminating in a four-year degree. For more information on the co-enrollment process, please go to the Service Center or call 541-278-5759.

**Oregon State University Dual Admission:** Through an agreement with Oregon State University (OSU), BMCC students may be jointly admitted to BMCC and OSU and be eligible to enroll concurrently at both institutions. There is a joint application process for eligible students; the admission deadline is one week before the start of classes of each term based on OSU's academic calendar. Students enrolled in the program are required, as a condition of admission, to agree that their student records will be shared between and available to each institution. For more information on this program, contact BMCC's Office of Admissions and Records.

#### Articulated Degree Programs

BMCC enjoys articulation agreements with a variety of institutions. The following agreements allow you to attain your degree while staying in your local area.

### **Central Oregon Community College: Pharmacy Technician Program**

BMCC has partnered with Central Oregon Community College to offer this distance education three-term program developed to prepare individuals for employment in the pharmacy industry. Some current practice areas for the pharmacy technician include retail, hospital, manufacturing, disease state management, and mail order and insurance claim specialists. The pharmacy technician processes prescriptions and medication orders and plays an integral role in maintaining the pharmacy department.

For more information, please see: <http://www.bluecc.edu/academics/degree-partnership-programs/pharmacy-technician>

The program will prepare students to take the national certification examination to become a certified pharmacy technician as required by the Oregon Board of Pharmacy and to be employed in a pharmacy setting.

For questions about the program or application process, contact:

- COCC: Shannon Waller, CPhT, Program Director, (541) 318-3722 or via email: [swaller@ccoc.edu](mailto:swaller@ccoc.edu)
- BMCC: Wade Muller, (541) 278-5971 or via email: [wmuller@bluecc.edu](mailto:wmuller@bluecc.edu)

### **Colby Community College: Veterinary Technician**

Blue Mountain community college offers a Veterinary Technician Preparation (Vet Tech Prep) program in partnership with Colby Community College's Distance Learning Veterinary Technology Program (DLVTP). Start your studies by completing the pre-requisite courses at Blue Mountain Community College then apply for admission to Colby Community College's DLVTP.

For more information please see: <https://www.colbycc.edu/academics/associate-of-applied-science/veterinary-technician/index.html>.

### **Eastern Oregon University: Teacher Education Programs**

BMCC students seeking Teacher licensure in the state of Oregon have two options through a partnership with EOU. Both programs prepare a student to enter the Master of Arts in Teacher (MAT) at EOU which allows individuals to become licensed teachers in either elementary or secondary settings.

Students may complete their own lower division content area pathway by following the education fast track, <https://www.eou.edu/pathways/files/2016/04/FTT-BMCC-ELED.pdf> EOU's undergraduate initial teacher preparation in elementary education spans two years, pairing coursework alongside practical classroom experiences every term and culminates with full time student teaching. The program prepares candidates with full time student teaching. The program prepares candidates for an Oregon teaching license with two endorsements, Elementary - Multiple Subjects and ESOL, in a cohort setting either in LaGrande or Hermiston.

For secondary licensure students will complete a Bachelor's degree in any discipline through a combination of lower division courses (AAOT courses at BMCC) and upper division courses at EOU. Once a student has completed a Bachelor's degree, they required to complete the MAT program in order to earn their secondary teacher license.

EOU has an advising center at the BMCC Hermiston Center and on the main campus in Pendleton. An EOU education faculty member is available for appointments at both locations. For more information, please contact the College of Education at <https://www.eou.edu/cobe/ed/> or speak to a BMCC advisor.

### **Linn-Benton Community College: Diagnostic Imaging Technology (DIT)**

BMCC has partnered with Linn-Benton Community College to offer a distance education program for diagnostic imaging. Using a combination of clinical instruction, online courses within the college learning management system, and the synchronous virtual classroom environment, distance education students can receive dynamic instruction to help them achieve their learning goals.

The Diagnostic Imaging Program prepares students through a progressive, outcome-based educational format. Modules of study include radiation protection, radiographic procedures, image production and evaluation, equipment maintenance operation, patient care and management, and clinical radiography.

The purpose of this program is to prepare students to practice as proficient, multi-skilled professionals in culturally diverse health care settings; to demonstrate outcomes required by the American Registry of Radiological Technologists (ARRT) and The American Society of Radiological Technologists (ASRT) Course Curriculum Guide; and to apply for and successfully complete ARRT certification examinations. Upon completion of the program and the general education requirements students will be eligible to apply for an associate of applied science degree through Linn-Benton Community College.

The Diagnostic Imaging Program is highly prescriptive and entails several key elements. Please contact our program site coordinator in the Student Success Center, 541-278-5853 for more information about this program.

### **Linn-Benton Community College: Occupational Therapy Program**

BMCC has partnered with Linn-Benton Community College to offer a two-year associates degree program designed to prepare the student to function as an entry-level occupational therapy assistant (OTA).

OTAs work under the supervision of occupational therapists to help clients develop, maintain, and/or regain health and function through the use of purposeful activity. They address physical, mental, and social components of activity as they work with clients to improve the underlying cause of impairment and/or to adapt activities for client success. This program follows a hybrid-delivery model in which the classroom portion is delivered online (to allow participation by students at remote sites) and the laboratory and clinical portions are delivered locally and at partner sites throughout Oregon. Graduates will be eligible and prepared to sit for the national certification examination.

Please contact our program site coordinator in the Student Success Center, 541-278-5853 for more information about this program.

### **Washington State University - Tri Cities**

The Bridges program is intended to boost four-year public university degree attainment in the mid-Columbia region. It enables students to begin an Associate of Arts - Oregon Transfer (AAOT) or Associate of Science Oregon Transfers (ASOT/Bus, ASOT/CS) at BMCC and declare their intent to finish their Bachelor of Arts or Bachelor of Science (BA/BS) degree at WSU Tri-Cities.

Bridges provide a seamless process designed to serve the needs of students in northeast Oregon and surrounding communities to reduce many of the barriers that can occur for transfer students upon matriculation into a four-year university or college.

Students who participate in the Bridges program are expected to abide by the catalog and code of conduct for the institution at which they are enrolled.

BMCC and WSU Tri-Cities will hold an information session during each fall and winter quarter of the academic year that will be open to all transfer-eligible BMCC students and other prospective students. The purposes of the sessions are to:

- Explain Bridges and its benefits.
- Invite students to join Bridges and provide the Declaration of Intent to those interested in Bridges.
- Highlight information about policies and procedures, advising, financial aid, scholarships, student organizations, and other student services.
- Provide students the opportunity to meet faculty and academic advisors to learn about their academic areas of interest.
- Share information about research and internship opportunities.

In addition to the formal Bridges information sessions, WSU Tri-Cities admissions staff will also have access to BMCC's student success workshops, freshman seminars, orientations, or other appropriate classes to give admissions presentations.

### **Wenatchee Valley Community College: Medical Laboratory Technician (MLT) Program**

BMCC has partnered with Wenatchee Valley College to offer this two-year degree to provide students with the general knowledge and basic skills needed for this allied health profession.

During the preparatory first three quarters of the first year, the typical MLT student takes general education courses and specialized medical laboratory courses designed to provide a solid base for the second year of on-the-job training. Students spend the second year in medical laboratory facilities that have agreed to be training centers, while simultaneously taking theoretical supporting courses.

Please contact our program site coordinator in the Student Success Center, 541-278-5853 for more information about this program.

Other Programs

## **Student Services**

### **Student Life**

### **BMCC Athletics**

BMCC participates in both the Northwest Athletic Conference (NWAC) and the National Intercollegiate Rodeo Association (NIRA). The NWAC is the parent organization for 36 community colleges in Oregon and Washington. BMCC sponsors athletic teams under the NWAC,

including women's volleyball, men's and women's basketball, women's softball, men's baseball and women's and men's soccer. The BMCC rodeo team competes in the NIRA Northwest Region with universities and colleges from Oregon, Washington, and Idaho. NWAC and NIRA colleges provide a variety of academic and vocational offerings as well as many enrichment activities for their students. Under the guidance of BMCC's coaches and athletic director, student athletes are part of an athletic program that:

- Stresses academic, personal, and athletic excellence
- Strengthens success-producing traits such as dedication, discipline, focus, integrity, communication, organization, and leadership
- Emphasizes the value of teamwork
- Creates a positive, lasting memory of BMCC for each athlete

Since 1962, BMCC has been a member of the Northwest Region and competing in the National Intercollegiate Rodeo Association. During this time, BMCC rodeo has won 35 regional titles, 5 national titles, and five top 5 finishes in the nation. The BMCC rodeo teams have had several athletes move on to compete in the Professional Rodeo Cowboys Association (PRCA) circuit and become world and national champions.

If you are interested in becoming a member of the Timberwolves athletics programs, please visit [www.bmcctimberwolves.com](http://www.bmcctimberwolves.com) and fill out the recruitment form.

Interim BMCC Athletic Director - Brad Baker	541-278-5809
Assistant Athletic Director - Jordan Hillmick	541-278-5964
Women's Softball - Ben Knopf	541-278-5895
Men's Baseball - Vacant	
Men's Basketball - Doug Baxter	541-278-5893
Women's Basketball - Adam Driver	541-278-5894
Women's Volleyball - Ceanna Larson	541-278-5910
Men's Rodeo - Blake West	541-278-5896
Women's Rodeo - Jade Benevides	541-278-5896
Women's Soccer - Jordan Hillmick	541-278-5964
Men's Soccer - Oscar Alegria	541-278-5867
Athletic Trainer - McKinley	541-278-5898

## Intramural Sports

Beginning in Fall 2016 Intramural sports will be offered each term. Thanks to the leadership of Associated Student Government (ASG), intramural sports will include: Basketball, Soccer, Volleyball, Dodgeball as well as other shorter term sports (ping-pong for example).

## Clubs

A variety of student activities are available which enhance the cultural atmosphere of the campus and provide educational, recreational, social, and leadership opportunities for interested students. Some of these clubs include: The Network Club, Fueling the Future Diesel Club, Smoke and Mirrors (Writing Club) and Phi Theta Kappa Honor Society. For more information contact the Associated Student Government (541) 278 -5910 or stop in the Mezzanine in the McCae Activity Center on the Pendleton campus.

Phi Theta Kappa is the international honor society for two-year colleges. The Society recognizes and encourages academic achievement and provides opportunities for individual growth and development through scholarship, leadership, service, and fellowship. Students must have a cumulative 3.5 GPA in order to become members.

The BMCC chapter is Beta Delta Zeta and meets weekly throughout the academic year. Students regularly participate in service and research activities on campus. Leadership positions are available. For more information about this program, please see the chapter's website at <http://bluecc.edu/support-services/student-life/phi-theta-kappa>.

## **Student Ambassadors**

BMCC student ambassadors represent various regions, programs, and interests of the student body. They participate in recruitment events and college fairs, visit high schools, give campus tours, communicate with potential students, and represent BMCC to the community.

The student ambassadors' primary function is to provide leadership, assistance, and information to prospective BMCC students. The program is an exciting opportunity that helps students develop their leadership skills, while making lifelong friends. By becoming an ambassador, you can make a difference in a prospective student's outlook by giving him/her information about the transition into college life and how to make the most out of the college experience.

In exchange for weekly service, student ambassadors receive scholarships and leadership training. Each spring, the college selects ambassadors for the following academic year. For more information contact the Admissions and Outreach Department at 541-278-5936.

## **Student Government**

The Associated Student Government (ASG) at BMCC has an active student government. ASG is responsible for planning various cultural, governmental, and entertainment events, as well as contributing to college governance committees. ASG sponsors a variety of events each quarter (Fall-Spring). The events include a Welcome Back BBQ, student appreciation lunches, Christmas Eve Dinner, American Red Cross blood drives, an Arts and Culture Festival BBQ, and Spring Fling.

The Executive Committee of the ASG consists of the President, Vice President, Secretary, Treasurer, Club Coordinator, Outreach Coordinator, and Publicity Coordinator. The remaining members of the ASG are Student Senators. If you would like to apply to ASG, applications are located on the BMCC website and are due April 30th of each year for the following year. If you are interested in ASG or would like additional information, please call (541) 278 -5910 or stop by the Mezzanine in the McCraeActivity Center on the Pendleton campus. All BMCC Associated Student Government students are encouraged to become involved.

## **Theatre Arts and College Community Theatre**

For over 50 years, the BMCC Theatre Arts Department has enjoyed a unique collaboration with College Community Theatre (CCT), the local community theatre company. Together, these combined programs, often also working with the BMCC Music Department, produce a minimum of three major productions each academic year, presented in the 270-seat Bob Clapp Theatre on the BMCC Pendleton campus. These productions provide creative opportunities and valuable hands-on experience for students and volunteers alike, while presenting first-rate theatre for the enjoyment of audiences from throughout the region. Whether seeking a creative outlet, or preparing for a career in the theatre arts, participants can work both on and off stage in all areas of theatrical production, including: acting; scenic, costume, sound, and lighting design and construction; box office; stage management; assistant directing; and more.

For more information contact the BMCC Fine Arts Department at 541-278-5944 or email [theatre@bluecc.edu](mailto:theatre@bluecc.edu).

Or visit us at <http://bluecc.edu/community/college-community-theatre>

## **Betty Feves Memorial Art Gallery**

The Betty Feves Memorial Art Gallery is located on the Pendleton campus. During the fall, winter and spring terms a variety of local and regional artists are featured in the gallery. Opening receptions are held for each show, which provide opportunities for students, staff and the community to meet and talk with the artists. Every spring the gallery hosts the Annual BMCC Student Art Show, which features awards, prizes and an opening reception. The gallery's vision is to provide an important educational tool, to foster an appreciation for the richness and diversity of art, and to provide personal and professional development by supporting artistic expression. For more information contact the Gallery Director at 541-278-5952.

## **Counseling, Success Coach, and Advising**

All degree-seeking students, whether full or part-time, are assigned a Faculty Advisor and a Navigator upon admission to the college. However, Faculty Advisors and Navigators are available for all students at BMCC, whether degree-seeking or not. Faculty Advisors and Navigators work together to help students effectively meet their educational goals.

## **Navigators**

Navigators provide students with support, information, and access to important resources. A Navigator will help students learn how to navigate college systems and act as a liaison between the student, academic advising, and all student services offered at BMCC. Some of these services include orientation to college life, veterans' assistance, transfer guidance, career guidance, tutoring, health and wellness resources, and disability support services.

## **Academic Advising**

Faculty Advisors meet with students at designated academic progress points to help students plan, develop, and stay on track with their academic career paths. Faculty Advisors work with students to help ensure they are taking classes that are appropriate for the students' level of readiness and apply to their chosen degree plans.

## **Special Needs Contact Statement:**

Persons having questions about or requests for special needs or accommodation should contact Roman Olivera, Recruitment & Retention Expert, at Blue Mountain Community College, 2411 NW Carden Ave, Pendleton OR 97801, Phone 541-278-5958 or use Oregon Relay (7-1-1) for hearing impaired assistance. Contact should be made 72 hours in advance of the event.

Coordinator info:

### **Section 504 Coordinator:**

Roman Olivera, Recruitment & Retention Expert: 541-278-5958

2411 NW Carden Avenue, Pendleton, OR 97801

### Title II Program Coordinator:

Director College Preparation, 541-278-5803

2411 NW Carden Avenue, Pendleton, OR 97801

### Title IX Program Coordinator:

Chief Human Resources Officer, 541-278-5947

2411 NW Carden Avenue, Pendleton, OR 97801

## **Student Health & Wellness**

### **Health & Wellness Resource Center**

The Student Health & Wellness Resource Center (HWRC) is located in the Garrett Lee Smith Memorial Library in Morrow Hall. Employing a whole-health perspective, the HWRC offers services that recognize the mental, emotional, spiritual, and physical concerns of students. The

HWRC uses a proactive approach to well-being through life coaching, peer mentoring, counseling, disabilities accommodations, informational workshops, group connections, and referral to community resources. We are also working to develop a safe college atmosphere through drug and alcohol education, sexual assault and violence awareness, and life balance. Students are welcome to drop in for a quiet place to study, relax, or seek assistance.

## **BMCC Counseling Services**

Counseling services through the Health & Wellness Resource Center provide assistance in the areas of problem solving, adjustment issues, crisis intervention and other matters of personal concern that may interfere with your academic success at BMCC. We offer short-term individual counseling (approximately 5 sessions). If you require services that are outside the scope of assistance provided by our department and/or involve long-term intensive or specialized care (in-patient treatment) you may be referred to an appropriate mental health provider in the community.

**Availability of Service:** Personal counseling services are available during regular business hours in fall, winter, and spring terms. We also provide limited access to counseling services in the summer term. Students may schedule a counseling appointment through one of the contacts listed below. If the counselor is available, meeting on an unscheduled, "drop-in" basis is acceptable.

Appointments to see the counselor may be scheduled with the Health & Wellness Resource Coordinator at 541-278-5965, or the Student Support Services Program Assistant at 541-278-5853. The Counseling office phone number is 541-278-5954.

Appointments may also be scheduled through Appointment Manager in the student portal on the BMCC website. If you require emergency services when BMCC staff are unavailable, you are advised to contact Lifeways (Comprehensive Mental Health Services) at 541-276-6207. A 24-hour Crisis Services Line can be reached at 866-343-4473.

Email [hope@bluecc.edu](mailto:hope@bluecc.edu).

## **Bookstore**

The BMCC Bookstore is located adjacent to the library in Pioneer Hall on the BMCC Pendleton campus and provides services to students at all BMCC locations. All the most up-to-date course material information can be found at the BMCC Bookstore. Merchandise and Course Materials can be ordered online at the Bookstore website, [www.bookstore.bluecc.edu](http://www.bookstore.bluecc.edu), which utilizes an integrated price comparison tool to do the shopping for you and help you find the best price for your books.

Bookstore products and services include new and used textbooks, on-line textbook rentals, study aides, calculators, school and art supplies, sundries, and stamps. The Bookstore also offers a wide selection of clothing, gifts, snacks, and beverages - including an espresso cart so you can get the caffeine boost you need! Please contact the Bookstore for book refund and textbook buyback policy.

For more information or questions, please contact the Bookstore at 541-278-5733 or e-mail [bookstore@bluecc.edu](mailto:bookstore@bluecc.edu).

## **Print Center**

The BMCC Print Center is located in the bookstore in Pioneer Hall on the Pendleton campus and is open to the public. The Print Center offers a variety of services, including black and white or color copies, term paper covers, resume printing, laminating, and various types of binding, among others. It is available for drop-off service. Please stop in or call 541-278-5966 to speak with a member of the copy center staff for more information.

## **Student Union Cafeteria**

The Pendleton campus houses the BMCC Student Union (SU), located in Pioneer Hall. The Student Union is open to students, staff and visitors. The SU is a place where student and staff can find food options along with a place to relax and study. The SU also offers a game room for recreation.

The SU food service is operated by a local, privately run business and offers catering services to support the college faculty, staff, and students by assisting with special events and college catering. If you need any of these services, please call 541-278-5946. Hours are Monday - Thursday 10:30 am-1:30 pm. Payment method includes: cash, check, and debit.

# Library and Learning Hub

The Library and Learning Hub at Blue Mountain Community College is an advocate of scholarship, cultural awareness, the pursuit of knowledge, and student success. Through intentional outreach, the Library and Learning Hub serves as an intellectual crossroads for the college, providing access to academic support resources available on the Pendleton campus, across our network of centers, and virtually. We enhance our community's opportunity for intellectual discovery and lifelong learning via student focused service, responsible resource stewardship and information literacy efforts that connect people with knowledge.

## Library

Located in Pioneer Hall on the Pendleton campus, the physical space of the Library provides a welcoming environment for learning through a variety of group and individual study spaces. The Library is equipped with an array of technologies including multiple computers and laptops for checkout. The Library's print and online collections are selected and maintained to meet the academic needs of the institution. Additionally, the Library is a member of the SAGE Library system, a consortium of more than 77 libraries in eastern Oregon from which patrons can easily borrow and return materials. Interlibrary Loan services are available to all faculty and students for requesting items that are beyond our region.

The Library's extensive online resources are available to all Blue Mountain Community College library card holders. These materials and services can be accessed via the Library's homepage, [www.bluecc.edu/library](http://www.bluecc.edu/library) and include eBooks, Library databases offering full-text content, streaming media, and Research Guides that support learning via tutorials and suggested resources by discipline. All online research resources are accessible 24/7 from your favorite study location!

If you need help getting started, you are encouraged to contact a Library staff member for assistance in navigating Library resources. From brainstorming, working through your thesis, to finding just the right research, our Library Director is available to assist you in person or even via e-mail. Research assistance is also available via chat during regular library open hours and 24/7 through the State Library's, "Ask a Librarian" link.

Regardless of when and where you take classes at BMCC, learning to find, use, and evaluate information is a key skill set that you will use in any profession and throughout your life. The Library's mission is to support your skills and academic success, for more information please go to the Library's website, [www.bluecc.edu/library](http://www.bluecc.edu/library), email: [library@bluecc.edu](mailto:library@bluecc.edu), or call, 541-278-5915.

## Digital Literacy Skills

The Library and Learning Hub has partnered with the State Library of Oregon to provide Northstar Digital Literacy tools to BMCC students. Digital Literacy is defined as the basic skills needed to perform tasks on computers and online. Northstar Digital Literacy is a self-directed assessment and learning tool that covers a variety of technology scenarios. It contains short lessons and practice exercises to improve skills on many common topics, including computer skills, software skills and using technology in daily life. The Northstar resource is available 24x7 on the library webpage, and library staff are available to help with the resource during regular hours.

## Tutoring Services

It is BMCC's goal to provide as many resources as possible to facilitate students' academic success. Part of being a successful student is taking advantage of the help available before you get to the point of feeling overwhelmed and/or are in danger of failing your course. BMCC offers both peer and professional tutoring to help support students in their academic pursuits. The Library and Learning Hub strives to provide a wide range of tutor availability, meeting the needs of all students, whether they are on-site at one of our locations or via online learning. We have drop-in tutoring available at most locations as well as providing tutors remotely, utilizing distance technology such as Zoom. Zoom is an online program that can be accessed from the comfort of a student's home and is equipped with chat, audio, video, and whiteboard to work with a BMCC tutor during office hours.

BMCC subscribes to Brainfuse, an online program that provides students 24/7 access to live tutors. Brainfuse aids in writing, math, accounting, statistics, finance, economics, biology, anatomy & physiology, physics, chemistry, office applications, and Spanish. Students who have used Brainfuse have favorable reports regarding help with homework and have stated that they would recommend this service to friends. You can access Brainfuse online tutoring with your library card number from the library website or through your Canvas courses.

All tutoring is provided at no cost to all BMCC students. Students interested in receiving tutoring can access the tutor schedule online at [www.bluecc.edu/tutor](http://www.bluecc.edu/tutor) and click the "schedule" link. The Pendleton campus also posts tutor schedules on a monitor board in the Student Success Center in Morrow Hall. Each BMCC location posts the hours that tutors are available at their site.



## Student Tech Help Desk

Located in the Library and Learning Hub, the Student Tech Help Desk offers drop-in or by-appointment tech help for students. If you need help learning to use hardware and software or help troubleshooting programs, helpful student workers are available to give you one-on-one assistance, in person or via chat.

## Technology Support

BMCC's IT department provides a Help Desk to assist with technology issues. Call 541-278-5827 or email [helpdesk@bluecc.edu](mailto:helpdesk@bluecc.edu).

## Distance Education

Distance education is any kind of learning in which students and the instructor are separated by time and/or place. You will need to have access to the internet and a current laptop or desktop computer. It can be delivered using various methods, including:

- **DISTANCE CLASSROOM:** Course meets at a specific time at a BMCC site and you will join using web conference technology. Your instructor will not be in the room; he/she will be lecturing live from another location. In person attendance is expected.
- **ZOOM (synchronous):** Course meets at a specific time; attendance is expected but you can join remotely from any location using web conferencing technology.
- **ONLINE (asynchronous):** Course can be completed entirely without being in a specific location. You may be required to take exams at an approved testing center. The college uses Canvas as their learning management system.
- **HYBRID:** Course is delivered via a combination of in-person and online delivery methods. You (student) are expected to attend the first day of class to receive instructions for course expectations.

**Distance Education Class Textbooks:** There are many options for accessing textbooks for distance education courses at BMCC. In some courses, textbook costs are included as a part of the course tuition, so students will not have to purchase a textbook separately. In other courses, textbooks are built using Open Educational Resources, which are low-cost or free for students. Please contact the BMCC Bookstore for textbook options [www.bookstore.bluecc.edu](http://www.bookstore.bluecc.edu), or students can e-mail the course instructor for textbook information.

**Technical Help and Support:** The Office of Distance Education is located on the Pendleton campus in Emigrant Hall, Room 115. The email address is [Distance\\_Ed@bluecc.edu](mailto:Distance_Ed@bluecc.edu). Find tutorials, frequently asked questions, self-assessment tests, and hardware and software requirements for taking online classes on our [BMCC Online Resources page](#).

**Registering for Distance Education Classes.** For registration information and a list of courses, go to <https://ais2.bluecc.edu/Schedule/>.

**Financial Assistance for Distance Education:** Online students may be eligible to receive financial assistance. Complete the Free Application for Federal Student Aid (FAFSA) form, available online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). BMCC's federal school code is 003186. Check our Website for more financial assistance information or your wolf-web (financial aid) for additional documents needed.

**Paying for Distance Education Classes:** Tuition and fees for distance education classes are assessed at the rates listed in the Schedule of Classes published each term and online at [www.bluecc.edu](http://www.bluecc.edu).

## Student Rights and Responsibilities

### Student Rights and Responsibilities

Students at Blue Mountain Community College (BMCC) have the right to various freedoms and protections, such as the right to: freedom of association, inquiry, expression, and learning in an educational environment that is free from harassment and discrimination of all types. Students in good standing at BMCC have the right to participation in institutional governance, co-curricular activities, student clubs, and other student life activity. Students are afforded the right to due process, to file a

grievance, or to make a complaint. A student's admission to the College obligates them to be personally responsible for their conduct and to comply with the policies and regulations of the College.

**Definitions:**

- "Student" is defined as an individual that has been admitted to BMCC and subsequently enrolled in a course (credit or noncredit). Once an individual has enrolled in a course, they are then considered a BMCC student regardless of their current enrollment status.
- "College" includes college facilities, premises, and non-college property if the student is at any BMCC sponsored, approved, or related activity or function where students are under the jurisdiction of the College.

**Conditions:**

- Enrollment with BMCC and participation in college sponsored activities and curriculum carries with it the presumption that the student is in good standing with the college and will conduct themselves as responsible members of the BMCC community.
- The college is granted approval by the Board of Education to adopt student rights, responsibilities, and conduct standards that are deemed necessary to assure the college is a safe and supportive environment for all.
- Student rights and responsibilities applies to all immediate and surrounding areas deemed as BMCC property and/or jurisdiction.
- It is the students' responsibility to observe college rules and regulations and to help maintain appropriate conditions in the classroom, on campus, and in the community.

**I. FREEDOM OF ASSOCIATION**

A. Students shall be free to organize and join associations to promote their common interests subject to the following considerations:

- i. The membership, policies, and actions of a student organization usually will be determined by vote of only those persons who are verified BMCC students or their representatives.
- ii. Each organization shall be free to select its own BMCC advisor, except for the Associated Student Government whose advisor is hired by the BMCC administration. Employees serve the college community when they accept the responsibility to advise and consult with student organizations; they shall not have authority to control the procedure of such organizations.
- iii. Campus organizations, including those affiliated with an external organization, shall be open to all students without respect to race, gender, religion, national origin, sexual orientation, marital status, color, parental status, age, mental or physical disability, Vietnam Era or disabled veteran status, expunged juvenile records, family relationships, application for workers' compensation benefits, or any other status protected under applicable federal, state, or local law.
- iv. In keeping with BMCC Procedure (07-2003-0012), children will not be permitted in classrooms. Children under the age of 16 must be accompanied by an adult while using any BMCC facility including the McCrae Activity Center, Computer Labs or Library.

**II. FREEDOM FROM HARASSMENT AND DISCRIMINATION, RIGHT TO FILE A COMPLAINT OR GRIEVANCE**

A. BMCC does not tolerate unlawful discrimination based on race, color, religion, use of native language, national origin, sex, marital status, height/weight ratio, disability, veteran status, age, or sexual orientation in any area, activity, or operation of the college. BMCC complies with applicable federal, state, and local civil rights laws and regulations prohibiting discrimination. Equal opportunity for employment, admission, and participation in BMCC's benefits and services shall be extended to all persons, and BMCC shall promote equal opportunity and treatment through application of this policy and other efforts of BMCC designed for that purpose.

- i. Any person who believes they have been discriminated against or harassed by a BMCC employee, representative, or student is encouraged to file a complaint through the Office of Human Resources, Pendleton Campus, Morrow Hall, or through the online incident reporting link.
- ii. Any person who believes that they have been discriminated against on the basis of disability under Section 504 of the Rehabilitation Act of 1973 or the Americans with Disabilities Act ("ADA"), including believing that they have not been provided with a reasonable accommodation or modification to which they are entitled, may discuss these

concerns with a disability services staff member in the Success Center or submit a complaint through the online incident reporting link.

B. The College recognizes that disputes may sometimes arise and requires the parties involved to resolve the conflict informally whenever possible. A formal complaint process is provided in matters that can't be resolved informally in order to assure impartial and equitable resolution for those conflicts.

i. Any student that feels they have been treated unfairly may submit a report through the online complaint reporting link.

ii. Students will have the ability to present their concerns and have the right to be heard fairly and promptly.

iii. The informal/formal complaint process may not be invoked for matters that have independent appeal processes established. Examples of these include, but are not limited to academic standing appeals, student conduct decisions, FERPA regulations, financial aid awarding and decisions, grades, Title IX regulations, discrimination and harassment policies/procedures, and safety related activity.

iv. Matters which are not grievable through the formal complaint process include Federal and State laws, employment and personnel decisions, policies of the BMCC Board of Education, rules and procedures adopted by the Oregon, Higher Education Coordinating Council (HECC).

### **III. FREEDOM OF INQUIRY AND EXPRESSION**

A. Students, faculty, and staff are obligated to respect freedom of inquiry and expression and to take appropriate action when illegal prevention or disruption of this right occurs.

i. Students have the right to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion. However, they are responsible for learning the content of any course of study in which they are enrolled.

ii. Students have the right to conduct orderly demonstrations in approved free expression space unless the participants of those demonstrations threaten to endanger the safety of any member(s) of the College community, pose a threat to physical facilities, or substantially obstruct or disrupt regular and essential operations.

a. The college recommends that those intending to conduct an outdoor demonstration consult with the Executive Vice President of Learning and Student Success or designee to identify allowable space that accommodates the reasonable needs of both the College and those engaged in acts of speech or protest.

b. Individuals and groups holding an indoor demonstration must comply with campus policies and procedures for requesting space. Advance notice and approval is required for indoor demonstrations to allow the College to make appropriate and reasonable logistical arrangements for the demonstration.

iii. Students have the right to distribute free publications not in violation of federal or state laws, and/or College policies and procedures, such as books, magazines, newspapers, handbills, leaflets, and similar materials. Distribution of these materials in classrooms, hallways, libraries, offices or other College facilities used primarily for educational and instructional purposes must not interfere with the work or study of persons in those facilities.

a. Any persons desiring to post or distribute publications must comply with campus policies and procedures. All handbills, leaflets, newspapers, posters, and similar materials must bear the name and address of the organization and/or individual distributing the materials.

b. Information on submitting items for posting may be obtained through the Executive Vice President of Learning & Student Success Office.

### **IV. RIGHT TO PARTICIPATE IN INSTITUTIONAL GOVERNANCE**

A. Students have the right to be appointed representatives on selected College councils and committees and to participate in institutional governance. Appointment to participate is by invitation of the acting committee Chair through the ASG, Student Life Office. Students must be in good standing with the college to serve on a council or committee.

- i. Student information may be shared among College faculty and staff when it has been determined that there is a legitimate educational interest in the information.
- ii. The confidentiality of student record information obtained by counseling and advising services will be strictly maintained, except when the College is legally permitted or required to disclose student record information.
- iii. Students have the right to access their educational record as reflected in the Family Educational Rights and Rights Privacy Act.

#### **V. RIGHT OF ACCESS TO COLLEGE FACILITIES**

A. Students have the right of access to college facilities and are subject to published business hours, schedules, and regulations governing the use of each facility. When using these facilities, the student has the responsibility to respect these regulations and to comply with the spirit and intent of the rules governing facility use.

- i. Designated college staff have the authority to prohibit entry or ask the student to leave the premises if the student's behavior is disruptive, threatening to the health and welfare of the College community, or interferes with the ingress and/or egress of persons.

#### **VI. RIGHT OF SALE AND DISTRIBUTION OF MATERIAL, RIGHT TO CONDUCT FUND-RAISING ACTIVITIES**

A. The use of college grounds or facilities for the purpose of commercial or private gain is prohibited except where such activity contributes to the operation of the instructional program or where limited sale is specifically authorized by the college for the benefit of an approved student activity.

B. Students have the right to engage in legal incidental sales of personal private property in private transactions, provided College facilities are not expressly used for this purpose.

C. All fundraising activities by clubs and organizations must be approved in accordance with Student Life.

D. All merchandise, periodicals, magazines and books offered for commercial sale may be sold only through the College bookstore and food services, except when approved by Executive Vice President of Learning & Student Success.

#### **IX. RIGHT TO PROTECTION FROM IMPROPER ACADEMIC EVALUATION**

A. Student academic performance will be evaluated on an academic basis (which may include attendance), and the ability to apply skills, and not on a student's opinions or conduct in matters unrelated to academic standards.

- i. The course syllabus will contain and articulate the evaluation standards and grading criteria by which student performance is measured for that particular course.
- ii. Students are responsible for meeting the standards of academic performance established for each course in which the student is enrolled.
- iii. A student may dispute their academic evaluation under the Colleges Grade Appeal Procedure if the student believes that the evaluation standards and grading criteria contained in the course syllabus were not followed by the instructor or were imposed in an arbitrary or capricious manner.

*Note: Blue Mountain Community College reserves the right to make changes to the rights, regulations, procedures, and information contained in the Statement of Student Rights and Responsibilities as education, financial, and legal considerations or mandates require. Academic policies in the College's catalog supersede all college policies listed in this document if in conflict.*

## **Student Code of Conduct**

Blue Mountain Community College (BMCC) is committed to the success of its students and is dedicated to student learning, retention, safety, and the development of responsible personal and social conduct.

Each member of the BMCC community must adhere to a code of responsible behavior. This code of conduct communicates the expectations that the College has of students and is intended to educate and guide students to understand their responsibilities. This Code is aligned with the College's Non-Discrimination Statement and shall not be administered in a discriminatory manner. Every effort will be made to balance the needs and rights of the individual with the welfare of the community as a whole.

This Code applies to all BMCC students, recognized student organizations, and groups of students. In addition, students who are enrolled in specific educational programs with additional standards of behavior are also expected to follow those related academic and conduct standards.

**Definitions:**

- **Adjudicate:** a method of resolving alleged student misconduct which employs a fact-finding, impartial adjudicator to render a binding decision in the matter.
- **Administrative Hearing:** a meeting held by a Student Conduct Officer to (a) investigate or (b) gather more information about a possible Code violation.
- **Appellate Officer:** the Executive Vice President of Learning & Student Success or designee, has the authority to consider an appeal of a Student Conduct Officer's decision.
- **Code:** this Student Code of Conduct.
- **College:** Blue Mountain Community College; BMCC; or any physical space or virtual environment being used by Blue Mountain Community College.
- **College Official:** any person employed, contracted, or assigned by the College, including, on some occasions, students performing assigned administrative or professional responsibilities.
- **College Premises:** includes all physical space (buildings, facilities, and other property, including adjacent streets and sidewalks) and the virtual environment in the possession of, owned, used, or controlled by the College.
- **Educational Record:** any record directly related to a student and maintained by the College or by a party acting for the College, as defined by the Family Educational Rights and Privacy Act. This includes academic records and disciplinary records.
- **Faculty Member:** any person hired by the College to conduct classroom or teaching activities or who is otherwise considered by the College to be a member of its faculty or instructional staff.
- **Member of the College Community:** any person who is a student of, employee of, or who is contracted to perform services of any kind for the College.
- **Policy:** the written rule or regulations of the College as found in, but not limited to, the Code, as well as contracts, academic catalogs, administrative procedures, and any other documents that are deemed by the College to express College policy.
- **Preponderance of Evidence:** a decision whether the Responding Party more likely than not engaged in an alleged violation of this Code.
- **Reporting Party:** an individual or group who brings forward an allegation of a Code violation. The College may be the "Reporting Party."
- **Responding Party:** any student or group charged with an alleged violation in this Code.
- **Student:** any person who is registered for one or more credit or non-credit hour(s), including online learning courses, or who has applied for admission, received financial aid, or received any other service or benefit provided by the College which requires student status. Any person who has withdrawn or who is not enrolled in any courses, but who has a continuing relationship with the College, may be considered a "student" for the purposes of this Code.
- **Student Conduct Officer:** an official authorized by the Executive Vice President of Learning & Student Success or designee(s) to be responsible for administration of the Code and to conduct an

Administrative Hearing. This official is also authorized to impose sanctions when it has been determined that a violation has occurred.

- **Student Organization:** any student or group of students formally recognized by the College as a Student Organization, or any group with student membership that uses College spaces, funds, or materials.
- **Support Person:** any person that attends an Administrative Hearing or proceeding under this Code with a student, including, but not limited to, a parent, a friend, a Navigator or Faculty Advisor, a Disability Services practitioner, another College staff person, or an attorney.

**Authority:**

- A. The Board of Education delegates to the College President the authority to oversee the administration of conduct standards.
- B. Administration of the Student Code of Conduct is the responsibility of the Executive Vice President of Learning & Student Success or designee(s), who shall develop procedures to carry out the Code.
- C. Student Conduct Officers (Executive Vice President of Learning & Student Success, Dean, or Center Director) shall serve as the principal investigators and administrators for alleged violations of the Code, and shall interpret and implement procedures to carry out the Code. Decisions made by a Student Conduct Officer shall be final, pending the appeal process set forth in this Code.
- D. The Students First Advisory Council (SFAC) is responsible for reviewing the Student Code of Conduct policy and Student Rights and Responsibilities Statement as set forth in administrative procedures. All revisions to these policies must be approved by the SFAC, the Executive Vice President of Learning & Student Success, President's Cabinet, and the College President.

**Jurisdiction:**

- A. The Code shall apply to student conduct on College premises; at or in connection with College-related or sponsored events and activities, regardless of location, including but not limited to international or domestic travel, activities funded by the Associated Student Government, athletic events, trainings, online learning, supervised academic/work experiences, or any other College-sanctioned social or club activities; and off-campus during non-College-related or sponsored events and activities, when the College, in its sole discretion, determines that the alleged off campus misconduct adversely affects the College community or the pursuit of the College's objectives.
- B. The Code shall apply to student conduct at all hours during each term, between terms, and during periods in which a student is not enrolled but has a continuing relationship with the College, from the time a student applies for admission to the College through the student's receipt of a degree, completion of program, or withdrawal from the College. Proceedings under the Code may continue if a student withdraws while a disciplinary matter is pending, whether or not the student has a continuing relationship with the College.
- C. All persons, including persons who are not students, must comply with all applicable College policies and procedures when attending or participating in any activity connected with the College.
- D. At the discretion of the Student Conduct Officer(s), allegations of misconduct by students or student groups may be adjudicated prior to, concurrent with, or following any civil or criminal proceedings.

**Conduct Subject to Disciplinary Action:**

The following constitutes conduct prohibited by the College for which a student or student organization is subject to disciplinary action:

- A. **Academic Misconduct.** Actions constituting violations of academic integrity include, but are not limited to the following:
  1. **Cheating.** Includes but is not limited to use of any unauthorized assistance for academic work and use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; acquisition, without permission, of tests or other academic material belonging to a member of the College faculty or staff.
  2. **Collusion.** Includes but is not limited to assisting another to commit an act of academic misconduct, such as paying or bribing someone to acquire a test or assignment, taking a

test or doing an assignment for someone else, unauthorized group work, use of unauthorized electronic devices, or allowing someone to do these things for one's own benefit.

3. **Fabrication.** Includes but is not limited to falsifying data, information, or citations in completing an academic assignment or other institutional document, and also includes providing false or deceptive information to an instructor concerning the completion of an assignment.

4. **Plagiarism.** Includes but is not limited to use of someone else's language, ideas, or other original material (not common-knowledge) without attribution to the source. This definition applies to all student work, not limited to print materials, online materials, manuscripts, oral discussion, and the work of other students. Examples include submitting someone else's language, ideas, or materials as one's own; inadequate paraphrasing, copying words and changing them a little, even if you give the source; carelessly or inadequately citing ideas and words borrowed from another source; self-plagiarism, including the unauthorized submission for credit of academic work that has been submitted for credit in another course.

**B. Alcohol, Drug, and Tobacco Violations.** See BMCC Drug and Alcohol-Free College and Prohibited Use of Tobacco Products or Inhalant Delivery Systems policies

1. **Alcohol.** The use, possession, delivery, sale, or being under the influence of any alcoholic beverage is prohibited on College premises and during College-related or sponsored events and activities, except as permitted by law and applicable College policies.

2. **Drugs.** The use, possession, delivery, sale, or being under the influence of any illegal drugs is prohibited at all times. This includes unauthorized use of prescription drugs.

3. **Marijuana.** The possession, consumption, being under the influence of, or furnishing marijuana, cannabis, or any of its derivatives is prohibited on College premises and during College-related or sponsored events and activities.

4. **Tobacco.** Possession of tobacco products and inhalant delivery systems by persons under the age of 21 is prohibited on all BMCC grounds and property. This includes, but is not limited to: in facility buildings, at facility-sponsored activities, in vehicles on facility grounds on the main campus and at all centers, including satellite properties. Tobacco is permitted in outdoor areas (unless posted otherwise), in smoking areas that are located 20 feet away from doorways, windows, and ventilation systems to prevent smoke from entering buildings and facilities.

**C. Assault, Endangerment, Harassment, and Intimidation.** Unwelcome physical contact that obstructs or disrupts a person from engaging in individual activities; puts a person in reasonable fear for personal safety; or causes or creates a substantial risk of personal injury or property damage. Non-physical contact, including but not limited to, bullying, intimidating, or threatening behavior, that obstructs a person from engaging in individual activities; puts a person in reasonable fear for personal safety; causes or creates a substantial risk of personal injury or property damage; or causes or is intended to cause emotional or physical distress. Non-physical contact includes all forms of direct or indirect contact with another person, including, but not limited to, written, electronic, or telephonic communication of any form.

## Reporting Amnesty

BMCC encourages all community members to report behavior associated with assault, endangerment, harassment, and intimidation. To support such reporting, BMCC will not pursue student conduct proceedings against a reporting student, a complainant, a respondent or witness for personal use of alcohol, marijuana or other drugs at or near the time of the incident provided their use did not place the health or safety of any other person at risk. BMCC may however, initiate an educational discussion with any student regarding their personal use of alcohol, marijuana or other drugs. BMCC's reporting amnesty is in alignment with ORS 471.434.

BMCC WILL NOT pursue any conduct violation against a survivor for substance use, including alcohol, at the time of sexual assault/harassment if the sexual assault/harassment is reported to the Executive Vice President of Learning & Student Success or the Director of Human Resources/Title IX Coordinator.

1. **Hazing.** An act which endangers or jeopardizes the mental or physical health or safety of a student or other College community member, or which destroys or removes public or private property, for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in a group or organization. This includes, but is not limited to all violations of applicable hazing laws. The express or implied consent of the person subject to the hazing does not relieve an individual or group from responsibility for violating the Code. Apathy or acquiescence in the presence of hazing are not neutral acts but are violations of this rule.

2. **Harassment.** Unwelcome verbal, nonverbal, visual, or physical conduct that is so severe, persistent, or pervasive that it interferes with or limits the ability of a student, faculty, or staff member to participate in, or benefit from, the College's educational and/or employment opportunities, programs, or activities. A single, serious incident may also constitute harassment. At the College's sole discretion, harassment may be addressed through the College's Nondiscrimination and Non-harassment Policy instead of, or in addition to, this Code.

3. **Sexual Misconduct.** Unwanted conduct of a sexual nature that constitutes sexual harassment, sexual assault, relationship violence (including domestic violence and dating violence), stalking, and includes related acts of retaliation. Relevant definitions and the procedures for addressing possible sexual misconduct are included in the College's [Gender-Based Misconduct Policy](#). At its sole discretion, the College may address possible sexual misconduct through this Code or its Gender-Based Misconduct Policy instead of, or in addition to, this Code.

a. **Sexual Harassment:** is defined as any unwelcome conduct of a sexual nature, including sexual advances, request for sexual favors, or other verbal or physical conduct of a sexual or gender based nature.

b. **Sexual Harassment:** is defined as any unwelcome conduct of a sexual nature, including sexual advances, request for sexual favors, or other verbal or physical conduct of a sexual or gender based nature.

c. **Domestic Violence:** An intra-family offense that results in physical injury, including physical pain or illness, or that caused or was intended to cause reasonable fear of imminent serious physical injury or death.

d. **Dating Violence:** An offense against an intimate partner (romantic, dating, or sexual relationship) that results in physical injury, including physical pain or illness or that



caused or was intended to cause reasonable fear of imminent serious physical injury or death.

e. **Stalking:** A course of conduct directed at a specific individual with the intent to cause that individual (or where the person knows or should have known that it would cause the individual) to fear for his or her safety or the safety of another person; feel seriously alarmed, disturbed, or frightened; or suffer emotional distress.

**D. Disruptive Behavior**

1. Obstruction or disruption of teaching, learning, research, administration, disciplinary procedures, other College-related or sponsored activities, including the College's public service functions, or other authorized activities on College-owned or controlled property.
2. Obstruction or disruption interfering with the freedom of movement, including obstruction of the free flow of pedestrian or vehicular movement on College property or at a College activity.
3. Leading or participating in any activity that unreasonably infringes on the rights of another member of the College community or that is intended to or reasonably may incite another person to unreasonably infringe on the rights of another member of the College community.
4. Leading or participating in any activity that unreasonably infringes on the rights of another member of the College community or that is intended to or reasonably may incite another person to unreasonably infringe on the rights of another member of the College community.

**E. Failure to Comply**

1. Failure to comply with reasonable directions of College officials, acting in the scope of their duties. In some cases "officials" may be students employed to act on behalf of the College.
2. Failure to comply with any disciplinary sanction imposed under the Code.

**F. Falsification of Information** includes, but is not limited to:

1. Knowingly furnishing false information, or failing to furnish correct information, in response to request or requirement of a College Official.
2. Forging, altering, or misusing BMCC documents, records, or identification cards, including electronic documents and records.
3. Unauthorized use of another individual's identification or password, or sharing one's personal identification or password with an unauthorized user.
4. Knowingly reporting a false emergency.
5. Knowingly making a false accusation of misconduct.

**G. Fire and Life Safety** includes, but is not limited to:

1. Tampering with fire safety equipment, generating a false alarm, or engaging in behavior that constitutes a fire or safety hazard.

2. Failure to evacuate a College building after an alarm has sounded.
3. Failure to follow the fire and/or life safety-related directives of a person authorized to give such directives.

**H. Property Theft and/or Damage.** Attempted or actual theft of, unauthorized use or possession of, and/or damage to property of the College or of a member of the College community.

**I. Recording**

1. Using, obtaining, or attempting to obtain, electronic or other means to photograph or record the likeness of another without the individual's consent, in any situation in which there is a reasonable expectation of privacy, is prohibited. This includes, but is not limited to, recording another person in an intimate situation.
2. Recording in any College locker room or restroom is strictly prohibited.
3. Recordings of lectures and presentations may not be used for any reason other than personal educational purposes and may not be shared publicly.

**J. Retaliation.** Retaliating, or attempting to retaliate, against any individual for exercising one's rights or reporting, providing information, or otherwise being involved in the process of responding to, investigating, or addressing allegations or violations of federal, state, or local law, or College policy, including, but not limited to, the provisions of this Code.

**K. Unauthorized Access.** Unauthorized possession, duplication, or other use of a key, keycard, or other restricted means of access to College Premises, or unauthorized entry onto or into College premises.

**L. Violation of College Policy.** Violation of any College policy, rule, or regulation that is posted by a College Official or available electronically on the College website.

**M. Violation of Law or Regulation.** Engaging in conduct that is contrary to any federal, state, or local law when such violation interferes with, or poses a risk to, the College or interferes with other students' participation in College programs, activities, or events.

**N. Weapons and Dangerous Materials.** Possession or use of firearms, explosives, instruments, or other weapons including replicas of weapons, or dangerous chemicals on College premises or use of any item in a manner that harms, threatens, or causes disruption to the educational environment. Exceptions to this policy are permitted when the weapon and/or dangerous materials are used in conjunction with an approved College instructional program, is carried by a duly constituted law enforcement officer, or is otherwise permitted by law.

General Misconduct Procedures:

**A. Temporary Removal of Registered Students.** If a student is engaging in disruptive behavior, a course instructor may temporarily restrict a student's participation in class or temporarily block access to the digital learning management system. Before allowing the student to return to class, the instructor, Department Chair, and/or Dean will clarify with the student the behavioral standards that must be met in order to continue in the class. This clarification will occur as expeditiously as possible, preferably before the next class session or equivalent. During the period of restriction, the student must be provided the opportunity to maintain access to the educational/course content. Instructors must facilitate an alternate method for this to occur. A Student Conduct Officer can

provide consultation and coordination throughout the classroom management process. If the disruptive behavior is not resolved through the clarification process, the situation must be referred to a Student Conduct Officer. Any permanent removal from class must be in accordance with the procedures of this Code.

**B. Removal of Unauthorized Individuals.** Instructors may restrict persons who are not registered from attending class sessions. Exceptions on the basis of disability must be approved by the College's Disability Services Office. Other exceptions may be made by a College official.

**C. Administrative Hearing Process**

1. **Report.** Anyone may submit information about a possible Code violation by submitting an incident report to [https://cm.maxient.com/reportingform.php?BlueMountainCC&layout\\_id=4](https://cm.maxient.com/reportingform.php?BlueMountainCC&layout_id=4)

2. **Preliminary Review.** The Student Conduct Officer may gather further information to determine whether the reported conduct, if substantiated, may constitute a possible Code violation. If the Student Conduct Officer determines that the reported conduct, even if substantiated, likely would not amount to a Code violation, the Student Conduct Officer may choose to close the report or address the report through another College administrative process.

3. **Interim Action.** Student Conduct Officer may impose an appropriate sanction as reflected in the Code with the exception of Expulsion, including (a) immediate suspension; (b) restricting access to College premises, the virtual learning environment, and/or all other College activities or privileges; or (c) any other action approved by the Executive Vice President of Learning & Student Success deemed as reasonable to prevent the recurrence of the alleged Code violation or to protect the integrity of the investigation. The interim action(s) does not replace the Administrative Hearing process as outlined in this Code. The student will be notified in writing of any interim action and the rationale. As soon as practical following implementation of the interim action, in most cases within three (3) days, the Student Conduct Officer shall provide the student an opportunity to address the action and supporting information in person, by phone, or through written communication. Based on that information, the Executive Vice President of Learning & Student Success or the Student Conduct Officer/Coordinator may maintain, revoke, or modify the interim action.

4. **Notice of Hearing.** After the preliminary review by the Student Conduct Officer, a Hearing Notice may be sent to the Responding Party. The notice shall include: (a) a brief description of the reported allegation(s), (b) the section(s) of the Code the Responding Party is alleged to have violated, (c) the range of possible sanctions for the alleged violation(s), (d) a specific date to schedule a meeting by, (e) information about having a Support Person attend, (f) information on how to request accommodations for a disability, and (g) information on the Administrative Hearing procedures. The Administrative Hearing typically occurs within ten (10) days from the date on the Hearing Notice. Requests for extensions by the Responding Party may be granted at the discretion of the Student Conduct Officer.

**5. Administrative Hearing and Investigation**

a. The Responding Party may elect to participate in the Administrative Hearing in person, by telephone, by videoconference, and/or by submitting a written statement.

b. The Responding Party may elect to not participate in this hearing. If the Responding Party elects not to participate in or fails to attend the hearing, the Student Conduct

Officer may decide the matter in the party's absence. Failure to cooperate or appear will not delay the outcome of the matter.

c. If the Responding Party elects to participate in the hearing, the Student Conduct Officer will review the alleged violation(s) with the Responding Party at the hearing. The Responding Party will be provided a reasonable opportunity to share the party's perspective, provide information to the Student Conduct Officer, and respond to the information presented.

d. The College and/or the Responding Party may seek legal advice at the party's own expense. The Responding Party may consult the party's Support Person, including an attorney, during the Administrative Hearing, but the Support Person may not participate in the meeting in any other manner, including speaking on behalf of the student. The Responding Party must notify the College within forty-eight (48) hours prior to the Administrative Hearing if the Support Person will be an attorney.

e. The Student Conduct Officer may gather additional information after the meeting, such as by conducting interviews and reviewing documents. The Student Conduct Officer may need to meet with the Responding Party about information gathered after the initial Administrative Hearing. In general, this may take up to ten (10) days after the hearing, or longer as appropriate under the circumstances.

f. The Student Conduct Officer will make reasonable efforts to communicate to all relevant parties any anticipated delays of more than ten (10) days.

## 6. Decision

a. The Student Conduct Officer's decision will be based on a preponderance of the evidence.

b. After the hearing and the conclusion of any investigation, a decision letter will be sent to the Responding Party's College email explaining (i) the decision of the Student Conduct Officer, (ii) the sanction(s) imposed, if any, and (iii) information about the appeal process, if a Code violation is found.

c. In accordance with FERPA, the Reporting Party may be notified of the decision and if an appeal is filed.

d. The decision of the Student Conduct Officer is final unless an appeal is filed in accordance with the appeal procedures set forth in this Code.

i. **Administrative Removal from a Class.** The Responding Party will be removed from a specific class but be allowed to continue in all other courses, unless otherwise restricted. The Responding Party is responsible for any tuition and fees associated with the administrative withdrawal process.

ii. **Community Service.** The Responding Party must provide a designated number of hours of service to a designated entity.

iii. **Educational Sanctions.** The Responding Party must complete tasks such as assignments, interviews, reflection papers, educational meetings, or other educational activities.

iv. **Expulsion.** The sanction of Expulsion is by recommendation of the Executive Vice President of Learning & Student Success to the President and will result in the permanent separation of the Responding Party from the College. This means that the Responding Party may not, at any time in the future: enroll in the College; be a member of any student club or organization; or register for, or participate in, any program, activity, or event sponsored or organized, in whole or in part, by the College. The Responding Party is trespassed from College Premises, which means the party may never again be present on College owned or controlled property, or access the virtual learning environment. The Responding Party's rights and privileges as an enrolled student at the College are immediately revoked. The Responding Party will be responsible for any tuition and fees associated with the administrative withdrawal process, including any financial aid status implications.

v. **Loss of Privileges.** The Responding Party is denied specified privileges of being a student for a designated period of time.

vi. **No Contact Directive.** The Responding Party is prohibited from contacting a specified person(s) related to the Code violation. This includes contact initiated through any means (including personal, electronic, and telephonic) as well as contact initiated by any third parties on the Responding Party's behalf or request. This restriction applies both on and off campus. Failure to abide by the terms of this sanction will result in further disciplinary action.

vii. **Notation on Transcript.** A notation may be placed on the Responding Party's academic transcript related to the party's disciplinary standing only if there is a sanction of Expulsion.

viii. **Probation.** For a specified period of time, any additional Code violations by the Responding Party will result in progressive disciplinary action. During the period of probation, the Responding Party is not considered in good disciplinary standing. Upon expiration of the probation period and fulfillment of other sanctions imposed (if any), the disciplinary probation will be lifted.

ix. **Restitution.** For violations involving damage to, destruction of, or theft of property, the Responding Party may be required to make monetary restitution and/or return any stolen or misappropriated property in an amount not to exceed the actual expenses, damages, or losses incurred.

x. **Registration Hold.** Students who do not complete assigned sanctions within the time provided may be prevented from registering for classes until completion of those sanctions.

xi. **Suspension.** The temporary separation of the Responding Party from the College for a specific period of time. During the suspension period, the Responding Party is not eligible for the privileges and services provided to enrolled students, including but not limited to registering, attending class, or accessing the virtual learning environment. The Responding Party is trespassed from the College, including from all College owned or controlled property, services, and facilities. The Responding Party will be responsible for any tuition and fees associated with the administrative withdrawal process including any

financial aid status implications. Upon expiration of the suspension period, the Responding Party must submit in writing a request for reinstatement to the Executive Vice President of Learning & Student Success, or designee. The Responding Party may be asked to provide a statement demonstrating readiness to return and successfully re-engage with the College community. If the Student Conduct Officer confirms that all terms of the suspension have been met and the suspension is lifted, the Responding Party may be reinstated with or without additional conditions, at the discretion of the Vice President of Student Affairs.

xii. **Warning.** Written notice that the Responding Party has been found responsible for violating the Code. Additional Code violations may result in progressive disciplinary action. A warning does not affect the Responding Party's disciplinary standing.

## 8. Appeals

a. Appeals must be submitted electronically via email to the Executive Vice President of Learning & Student Success through the link provided in the Responding Party's decision letter and received within five (5) days of issuance of the decision letter.

b. The request for an appeal must state the specific grounds for the appeal. Dissatisfaction with a decision is not grounds for an appeal. Grounds for an appeal are limited to:

i. Demonstrating that the Administrative Hearing deviated from the procedures outlined in the Code; however, deviation from these procedures shall not invalidate a decision or result in any other remedy unless it materially affected the Student Conduct Officer's decision.

ii. Demonstrating that the imposed sanction(s) was inappropriate for the Code violation.

iii. Considering directly relevant information that was not known to the Student Conduct Officer and was not known, and that could not reasonably have been known, to the Responding Party at the time of the Administrative Hearing.

c. The Executive Vice President of Learning & Student Success will assign an Appellate Officer who will review the appeal request, together with any other information the Appellate Officer deems relevant, which may include reviewing the Administrative Hearing record and consulting with the Student Conduct Officer, to determine whether an appeal hearing would assist the Appellate Officer in deciding the appeal. The Appellate Officer, using best judgment may grant an appeal hearing, or not.

d. If an appeal hearing is granted, the Appellate Officer may limit the subject of the hearing to matters that will assist the officer in deciding the appeal, which may include a request to the Responding Party for additional information. The Appellate Officer may ask questions of the Responding Party at the hearing. The Responding Party's failure to cooperate or appear at the appeal hearing will not delay the outcome of the appeal. The Appellate Officer may dismiss the appeal if the Respondent fails to appear at the hearing.

e. The College and/or the Responding Party may seek legal advice at the party's own expense. The Responding Party may consult the party's Support Person, including an attorney, during the appeal hearing, but the Support Person may not participate in the hearing in any other manner, including speaking on behalf of the student.

f. The Appellate Officer will make one of the following decisions on the appeal:

i. Refer the case back to the original Student Conduct Officer for reconsideration or additional proceeding if the Appellate Officer determines that new information provided by the Responding Party, as set forth above, is directly relevant and may alter the findings of the Student Conduct Officer.

ii. Deny the appeal. In this case, the decision of the Administrative Hearing, including any sanctions imposed, is affirmed.

iii. Grant the appeal. In this case, the Appellate Officer may render a new decision, including amending the findings and/or sanctions of the original decision.

g. The decision to grant or deny the appeal will be based on the preponderance of the evidence.

h. The Appellate Officer's decision will be issued in writing to the Responding Party and is final. The decision shall be issued within five (5) days after receipt of the appeal.

#### Academic Misconduct Procedures

**A. Report.** Anyone may submit information about a possible academic misconduct Code violation at <https://www.bluecc.edu/academics/academic-portals/academic-dishonesty-cheating>. Academic misconduct allegations not involving instruction, grades, academic programs, and/or classroom matters will be facilitated through the General Misconduct Procedures described above.

**B. Review.** Allegations of academic dishonesty or disruptive classroom behavior are first addressed by the instructor. Instructors are expected to make a reasonable effort to discuss the allegations with the Responding Party prior to submitting an Academic Dishonesty report.

**C. Sanctions:** Instructors may impose one of the following academic sanctions after discussing the incident with the Responding Party:

1. A score of 0 for the assignment or test
2. Require the student to redo the assignment or test
3. Lower the grade on assignment or test
4. Assign a failing "F" grade for the course
5. Dismissed from the course
6. Dismissal from a program (as approved by the corresponding Instructional Department Chair and Dean)

**D. Grade Appeals:** In accordance with the BMCC Blue Mountain Faculty Association (BMFA) contract, (Article 12.B), should a student feel that they have been graded unfairly, after discussing the issue with the instructor, the student may appeal to the Executive Vice President of Learning & Student Success for a change in grade in accordance with the following grade appeal process:

1. The student shall complete a grade appeal form which shall include all the particulars of the situation surrounding the grade given, what grade change is requested, and a statement that substantiates the perception of the student that the grade assigned is unfair.
2. The form shall be submitted to the Executive Vice President of Learning & Student Success (or designee) who shall review the appeal with the instructor. The instructor shall respond to the statement of the student in written form.
3. If the instructor's decision is to change the grade in agreement with the student's request, it will be so recorded and the process will be complete.
4. If the instructor's decision is not to change the grade and the student is not satisfied with the decision the appeal process may be continued.

5. All documentation surrounding the grade appeal shall be reviewed by a committee of three faculty members in accordance with the BMCC BMFA contract. The committee shall be authorized to change a grade and the committee's decision shall be final.

6. A permanent record of the grade change shall be maintained in the Registrar's Office.

Concurrent Proceedings:

Nothing in this Code shall preclude or in any way restrict additional actions in any College department, educational program, or activity related to academic, professional, or similar standards specific to the department, program, or activity.

Student Code of Conduct Revision Schedule:

A. The Student Code of Conduct shall be reviewed at least every three (3) years or as determined by the Students First Advisory Council.

B. In situations where a timely revision is necessary due to changes in federal or state laws, the Students First Advisory Council will create an interim revision to a specific aspect within this code for the Executive Vice President of Learning & Student Success' immediate approval. This temporary/ interim statement will be put into effect until a permanent revision is able to move through the formal approval process.

Student Code of Conduct/Disciplinary Record Retention:

A. All files and records of General Misconduct procedures under this Code are maintained by the Office of the Executive Vice President of Learning & Student Success.

B. All files and records of Academic Misconduct procedures under this Code are maintained by the Office of Learning & Student Success.

*Blue Mountain Community College reserves the right to make changes to the rights, regulations, procedures, and information contained herein as educational, financial, and legal considerations or mandates require. Academic policies in the BMCC catalog supersede the academic policies listed in this document if in conflict. Additionally, some academic programs may have additional student conduct requirements in addition to the policies contained in this document.*

*Revised Summer 2022*

## **Administration and Faculty**

### **BMCC Board of Education**

**Chris Brown**

Zone 1, Term Expires 2023

**Bill Markgraf**

Zone 2, Term Expires 2023

**Kent Madison**

Zone 3, Term Expires 2025

**Kim Puzey**

Zone 4, Term Expires 2025



**Don Rice**

Zone 5, Term Expires 2023

**Abe Currin**

Zone 6, Term Expires 2025

**Jane Hill**

Zone 7, Term Expires 2023

## **Oregon Board of Education**

**Kimberly Howard, Chair**

3rd Congressional District

Term expires 6/30/24

**Guadalupe Martiniez Zapata Vice Chair**

1st Congressional District

Term Expires 6/30/24

**Jerome Colonna**

2nd Congressional District

Term expires 6/30/22

**Jennifer Scurlock**

At Large Member

Term Expires 6/30/23

**George Russell**

4th Congressional District

Term expires 6/30/24

**Bridgett Wheeler, 2nd Vice Chair**

At Large Member

Term expires 6/30/24

**Vacant**

5th Congressional District

## **BMCC Foundation Board of Directors**

**Ken Daniel**

Pendleton, Executive Director

**Phil Hamm, Chair**

Hermiston

Term Expires 2024

**Cindy Timmons, Vice Chair**  
Hermiston, Term Expires 2024

**Mike Hawman, Past Chair**  
Hermiston  
Term Expires 2024

**Dotty Miles, Secretary**  
North Powder, Term Expires 2024

**Brian Harrington, Treasurer**  
Pendleton, Term Expires 2024

**Gibb Evans**  
Irrigon  
Term Expires 2024

**Tracy Gammell**  
Hermiston  
Term Expires 2022

**Ellsworth Mayer**  
Pendleton, Term Expires 2022

**Carole Innes**  
  
Pendleton, Term Expires 2022

**Kristina Olivas**  
  
Hermiston, Term Expires 2025

**Debbie Pedro**  
  
Hermiston, Term Expires 2025

**Mike Short**  
  
Pendleton, Term Expires 2023

**Julie Thompson**  
  
Pendleton, Term Expires 2023

**Abe Currin**  
BMCC Board of Education Liaison

**BMCC Student**  
Ex-Officio - Associated Student Government

## **Higher Education Coordinating Commission**

**Ben Cannon, Executive Director**

**Terry Cross, Chair, Commissioner**

Term expires 6/30/23

**Sandy Rowe, Vice Chair, Commissioner**

Term expires 6/30/23

**Rukaiyah Adams, Commissioner**

Term expires 11/30/25

**Vanessa Becker, Commissioner**

Term expires 6/30/23

**Richard Devlin, Commissioner**

Term expires 2/28/26

**Helen Edwards, Commissioner**

Term expires 6/30/23

**Arnel Fajardo, Commissioner**

Term expires 6/30/25

**Greg Hamann, Commissioner**

Term expires 6/30/25

**Ricardo Lujan-Valero, Commissioner**

Term expires 6/30/25

**Aislyn Matias, Commissioner**

Term expires 2/2/24

**Motutama Sipelii, Commissioner**

Term expires 2/29/29

## **BMCC Employees**

### **Administration**

**Mark Browning (2021)**

President

B.A., Idaho State University

M.A., Idaho State University

Ed.D, Idaho University

**John Fields (2018)**

Executive Vice President of Learning & Student Success

B.A., University of Florida

M.A., University of Florida

J.D., Rutgers School of Law

**Theresa Bosworth (1989)**

Interim Dean of Student Success

B.S. Eastern Oregon University

**Tammy Krawczyk (2018)**

Dean of Applied Technologies, Workforce Development, Regional Education & Strategic Partnerships

B.B.A., Abilene Christian University

M.Ed., Angelo State University

**Brad Holden (1989)**

Chief Officer, Information Technology

A.A.O.T., Blue Mountain Community College

B.S., Western Governors University

**Pat Sisneros (2022)**

Chief Operating Officer

B.S. Santa Clara University

M.B.A. The Wharton School, University of Pennsylvania

**Celeste Tate (2012)**

Chief Finance Officer

A.A.O.T., Blue Mountain Community College

B.S., Eastern Oregon University

**Wade Muller (2006)**

Chief HR Officer

B.S. Montana State University

M.S. Western Governors University

**Directors, Coordinators, and Managers**

**Ashley Armachardy (2010)**

Coordinator of Grant County

B.S., Eastern Oregon University

M.S., Boise State University

**Brad Baker (2013)**

Interim Director of Athletics

A.A.O.T., Blue Mountain Community College

B.A., Pacific University

M.A.T., Pacific University

**Shannon Chrisman (2013)**

Manager of JOBS Program  
B.S., Southern Oregon University

**Nayeli Contreras (2019)**

Director of BMCC Hermiston  
B.S. - Oregon State University

**Eric DeLary (2019)**

Director of Small Business Development Center  
A.A., Community College of Vermont  
Mechanical Engineering - University of Vermont  
Marketing & Communications - Portland State University

**Ken Daniel (2020)**

Executive Director of BMCC Foundation  
B.A., Utah State University

M.A., Utah State University

**Jeremy Gillette (2015)**

Coordinator of Fire Science  
A.A.S., Chemeketa Community College

B.S., Eastern Oregon University

**Chris Wrathall**

Coordinator of EMS

AAS in EMS from Lane Community College

AAS in Fire Science from Portland Community College

BSA in Fire Administration from Eastern Oregon University

**Jennifer Hills (1994)**

Director of Apprenticeship Program  
M.Ed., Eastern Washington University  
A.A.O.T., Blue Mountain Community College

**Danielle Hodgen (2020)**

Director of Student Financial Assistance  
A.A., Spokane Falls Community College

B.A., Eastern Washington University

**Susan Kralman (2015)**

Director of BMCC Milton-Freewater  
B.A., Portland State University

M.S., Walla Walla University

**Carrie Luke (2015)**

JOBS Coordinator/Facilitator  
B.S., Eastern Oregon University  
A.A.O.T., Blue Mountain Community College

**Jeff Nelson (2021)**

Regional Director, Baker and Union Counties

A.A.S., Idaho State University

B.S., Lewis Clark State College

**P.J. Moore (2020)**

Director, Instructional Support Services

B.A., Millikin University

M.A, University of New England (AU)

Ed.D, Exeter Univeristy (UK)

**Anne Morter (1993)**

Director of Workforce Training Center, Boardman

A.A., Lane Community College

B.A., Eastern Oregon University

**Karl Schrader (2004)**

Instructional Technologist

B.A., Washington State University

**Tammy Short (2019)**

Director of Early Childhood Education & Education

B.S., Eastern Washington University

M.S., Waldon University

**Dwayne Williams (2016)**

Director of Facilities and Grounds

Diploma

## **BMCC Faculty**

(As of July 2021)

### **Lower Division Collegiate and Career & Technical Programs**

#### **Full-Time Faculty**

**Velda Arnaud (2014)**

Instructor of Business & Leadership

B.A., University of Oregon

M.A., University of Oregon

Ph.D., Walden University

**Stan Beach (2012)**

Instructor of Math/Computer Science

B.S., Oregon State University

M.S. Ed, Western Oregon University  
M.S. Ed Tech Boise State University

**Shaindel Beers (2006)**

Instructor of English  
B.A., Huntington College  
M.A., University of Chicago  
M.F.A., Vermont College of Fine Arts

**Carl Daggett (2018)**

Instructor of Diesel Technology  
A.S., Blue Mountain Community College

**Katrina Dielman (2020)**

Instructor of Nursing  
B.S.N., Oregon Health Sciences University

**Lincoln A. DeBunce (1999)**

Instructor of Geography and Anthropology  
B.S., Southern Oregon University  
B.S., Southern Oregon University  
M.A., Louisiana State University  
Ph.D., University of Oregon

**Matthew DeGarmo (2017)**

Instructor/Program Coordinator Criminal Justice  
A.S., Missouri Southern State University  
B.S., Missouri Southern State University  
M.A., University of Missouri- St. Louis  
Ph.D., Washington State University

**Dulcie Hayes (2003)**

Instructor of Adult Basic Skills - Corrections  
A.A., BMCC  
B.A., Eastern Oregon University

**Ann Marie Hardin (2009)**

Instructor of Civil Engineering Technology  
B.S., University of Idaho  
M.S., University of Idaho

**Peter Hernberg (2012)**

Instructor of Math/Computer Science  
B.A., State University New York, Potsdam  
M.A., State University New York, Potsdam

**Mary (Katy) Holdman (2008)**

Instructor of Adult Basic Skills - Corrections  
Instructor of College Prep Corrections Education  
  
B.A., Eastern Washington University

**Jessica Humphreys (2013)**

Instructor of Nursing  
A.A.O.T., Blue Mountain Community College  
B.S. University of Portland  
M.S., Walden University

**Carol Johnson (2012)**

Instructor of College Prep

B.A., University of Oregon  
M.E., Eastern Oregon University

**Greg Jones (2005)**

Instructor of Adult Basic Skills - Corrections  
B.A., Oregon State University  
M.A., Oregon State University

**Llewellyn (Wells) Jones (1995)**

Instructor of Physical Education  
B.S., Lewis Clark State College  
M.S., University of Oregon

**Sheri Jordan (2017)**

Instructor of English  
M.A., Biola University  
Ph.D., Indiana University

**Cheri Kendrick (2002)**

Instructor of Communication  
B.A., Oregon State University  
M.A., Oregon State University  
J.D., Willamette University of Law

**Chandra Kunapareddy (2016)**

Instructor of Chemistry  
B.S., Acharya Nagarjuna University  
M.S., Osmania University  
Ph.D., Texas Tech University

**Andrew Leggett (2018)**

Instructor of Irrigated Agriculture  
A.A.O.T., Blue Mt. Community College  
B.A., Oregon State University/Eastern Oregon University

**Matt Liscom (2014)**

Instructor of Agriculture Science  
Teaching Certificate Completion, Walla Walla University  
B.A., Oregon State University

**Shannon Maude (2001)**

Instructor of College Prep  
B.A., Southern Oregon University  
Ed.M., Oregon State University

**Margaret M. Mayer (2001)**

Instructor of Music  
B.A., Linfield College  
M.M., Michigan State University  
Ph.D., University of California-Santa Barbara

**Sascha McKeon (2012)**

Instructor of Biology  
B.S., Chapman University  
Ph.D., State University of New York

**Jerry McMichael (2015)**

Instructor of Industrial Systems Technology  
B.A., University of Oregon  
M.E., University of Idaho



**Michelle Miller (1995)**

Instructor of Biology  
B.S., University of Idaho  
M.S., University of Oklahoma

**Ron Neeley (2004)**

Instructor of Business & Leadership  
B.S., Eastern Oregon University  
B.S., Central Washington University  
M.B.A., Portland State University

**Nick Nelson (2007)**

Instructor of Animal Science  
A.A., Lassen College  
B.S., California State University  
M.A., Oregon State University

**Kristen Oja (2011)**

Instructor of Biology  
B.S., Linfield College  
M.S., Oregon State University  
PhD., Oregon State University

**Gary G. Parker (1996)**

Instructor of Mathematics  
A.S., Community College of Rhode Island  
B.A., Rhode Island College  
M.S., Western Washington University

**Jeremy Pike (2014)**

Instructor of Diesel Technology  
A.A.S., Walla Walla Community College

**Melinda S. Platt (2002)**

Instructor of Business & Leadership  
B.S., Eastern Oregon University  
M.T.E., Eastern Oregon University

**Laurie Post (2004)**

Coordinator/Instructor of Nursing  
A.S., Walla Walla Community College  
B.S.N., Oregon Health Sciences University  
M.S.N., Gonzaga University

**Brilynn Reed (2004)**

Instructor of Adult Basic Skills - Corrections  
A.A., Blue Mountain Community College  
B.S., Eastern Oregon University  
Ed.M., Oregon State University

**Sara Reyburn (2000)**

Instructor of Psychology  
B.S., Pittsburg State University  
M.S., Pittsburg State University

**Ki Russell (2012)**

Instructor of English  
B.A., University of Missouri  
M.A., University of Missouri  
Ph.D., University of Louisiana

**Philip Schmitz (2008)**

Instructor of Geology & Physics  
B.S., University of Notre Dame  
M.S., University of Utah

**Shannon Schuette (2015)**

Instructor of Adult Basic Skills - Corrections  
A.A.O.T., Blue Mt. Community College  
B.S., Eastern Oregon University  
M.A., Hope International University

**Greg Schulberg (2015)**

Instructor of Math/Computer Science  
B.S., Cornell University  
M.E., Cornell University

**Leah Smith (2019)**

Instructor of Agriculture Sciences  
B.S., Oregon State University  
M.S., Oregon State University

**Alison Timmons (2005)**

Instructor of English  
B.A., Washington State University/Columbia Basin College  
M.A., University of Manchester

**Kevin Tompos (2012)**

Instructor of Adult Basic Skills - Corrections  
B.A., Northwest Nazarene University

**Jason C. Villers (2001)**

Instructor of Adult Basic Skills - Corrections  
A.A., Spokane Falls Community College  
B.A., Eastern Washington University  
M.E.T., Boise State University

**Scott Wallace (1993)**

Instructor of Business & Leadership  
B.A., Brigham Young University  
M.A., Brigham Young University

**Jeanine Youncs (2007)**

Instructor of ABSD, Special Education - Corrections  
A.A., Blue Mountain Community College  
B.S., Eastern Oregon University  
M.S., Eastern Oregon University

## Glossary

### Terms Needed for College Success

**A.A.O.T.:** Associate of arts Oregon transfer degree. A non-designated block transfer degree, consisting of 90 credits and designed for the student who intends to transfer to a four-year college or university with the Oregon University System (OUS). *Students need to work closely with an academic advisor to plan their program of study at BMCC.*

**A.A.S.:** Associate of applied science degree. A non-transfer degree awarded to students who complete the requirements of a two-year program, usually a 90-credit designated program as outlined in the college catalog.

**A.S.:** Associate of science degree. A non-designated college-transfer degree designed for students whose program requirements do not fit A.A.O.T. degree patterns. This degree does not always "block transfer" to Oregon universities.

**A.G.S.:** Associate of general studies degree. A terminal, two-year, 90-credit program of study that yields a non-designated and non-transferring degree, although some, or possibly all, of the courses may be accepted by another institution of higher education.

*(In every case above, students should verify course transferability for each program of study before transferring to another college or university. Even in Oregon, particular schools may have some differences in lower division credits required for their programs.)*

**Academic Advisor:** An assigned BMCC faculty or staff member trained to assist the student in developing and managing the completion of the student's program of study based on the documented assessments and declared educational goals within the student's individual educational plan.

**Academic Calendar:** Start and end dates of the academic year and of each quarter. The calendar reflects deadlines and other information related to payment schedules, add/drop options, graduation applications, and related policies.

**Academic Records:** The official listing of courses attempted and completed by a student at BMCC, including the credits accepted as a result of the BMCC registrar's evaluation of official transcripts from other institutions. This information is listed in the student management module of the integrated administrative system, WolfTrax, and is accessible to the student through WolfWeb.

**Academic Year:** The four-quarter sequence beginning in summer and ending the following spring.

**Academic Notification of Warning, and Suspension:** An official process by which degree-seeking students who do not achieve satisfactory academic progress receive a specific level of notice whenever their cumulative GPA falls below 2.00 and their cumulative Pace of completion falls below 67%.

**Advanced Placement (AP):** The national exam for high school students that allows the granting of credit based on points earned and recorded on the official AP transcripts. Earned points of 4 and 5 are considered evidence that the student has mastered the equivalent of an introductory course in English or history at BMCC or other various other subject matters.

**Articulation:** Formal alignment of resources, instruction, curriculum, processes, and/or credit between education programs or institutions. Programmatic articulation aligns curriculum based on standards, proficiencies, skill sets, or expectations for student learning (e.g., CTE Alignment and Articulation resources). Institutional articulation refers to interrelationships of curriculum, standards, and policies across levels (e.g. secondary, community college, and higher education) such that community college credit can be awarded to secondary students, and/or higher education credit can be awarded to secondary or community college students for completing that higher institution's expectations.

**Audit:** Taking a credit class without being required to participate fully in the class activities (taking tests or doing homework). Classes taken under audit status do not count as credits attempted in financial aid calculations, and the AU status does not count in calculating GPAs.

**BMCC Campus:** BMCC's main campus is located in Pendleton.

**BMCC Center:** Within the Blue Mountain Community College system, four outreach centers serve the college's district, which includes Baker, Morrow, and Umatilla counties. Centers are located in Baker City (Baker County), Boardman (Workforce Training Center), Hermiston, and Milton-Freewater.

**BMCC Identification Number:** A unique, official identification number randomly issued by the college for each BMCC student that is used to record, access, and store academic records.

**Certificate Program:** A specified program of study leading to an official award and notation on the transcript. BMCC awards certificates to students who complete certain career and technical or post-secondary programs requiring less than two years of college study and who earn a GPA of no less than a 2.00, or C average.

**Class Roster:** The official list of students' names enrolled in a particular class.

**Cohort:** A group, regardless of size, of individuals that can be identified by at least one identifiable characteristic.

**College Preparatory Programs:** A BMCC department administering classes and activities related to English as a second language (ESL), adult basic education (ABE), general educational development (GED), credit retrieval, post-secondary remediation up to the 60 level.

**Contracts Out Of District (COD):** Within the Blue Mountain Community College service area, there are two counties (Grant County and Union County) that are outside the BMCC district but that contract with the college for educational services. BMCC has a COD office in John Day and La Grande.

**Corequisite:** A course or activity that is required to be taken simultaneously with the course described.

**Core Curriculum:** Courses required for a specific major. Courses in the core curriculum usually must be taken for a grade (pass/no pass is not allowed) to count toward degree requirements.

**Course/Class:** An organized unit of instruction within an academic discipline or subject of study, or one of the instructional subdivisions of a discipline or subject area.

**Course Description:** The paragraph in the course catalog that describes a course's emphasis and content; the description also may specify prerequisites, corequisites, recommended preparation, and credit hours.

**Credit:** A measurement of course work and time spent in an academic endeavor. One credit generally equates to fifty minutes (a clock hour) of instruction and two hours of preparatory work outside the instructional classroom each week, or the equivalent thereof. Credits and clock hours may vary depending upon the type of course.

**Credit Load:** The total number of credits taken in a given term.

**Curriculum:** An organized program of study.

**CWE:** Cooperative work experience. CWE is a program of study in a work environment for which students, instructors, and participating businesses develop written training and evaluation plans to guide student development within specific programs. Students receive course credit for their work experience, whether or not they are paid a wage.

**Distance Education:** The delivery of instruction to students located throughout the district, state, nation, and the world using a variety of technologies and telecommunications networks. Delivery systems include interactive synchronous distance, video recorded instruction, online instruction, guided instruction, and hybrid courses.

**Drop:** The process of removing one's name from the class roster within the 100-percent refund period for a course or courses. This procedure results in a full refund. After a drop, there is no record of the student's having ever registered for the class and no grade is reflected on the transcript.

**Electives:** Courses that students may choose to take, as contrasted with courses that are required for an academic program.

**Emphasis:** A concentration or specialization within a program or academic option that provides additional curricular focus. *An emphasis does not appear on a transcript except in the A.A.S. degree and certificate programs.*

**English Language Acquisition (ELA) (Formerly known as, English as a Second Language [ESL] or English Language Learner [ELL]):** Terms that denote students or a program for students who want to improve their English language proficiency in order to perform effectively in an academic, work, or community setting. Many college preparatory classes are structured specifically for ELA students.

**Enrollment:** The placement of a student within a credit or non-credit course. Enrollment and registration are interchangeable terms from a student standpoint. From an institutional standpoint, registration is the process of enrollment and enrollment is a status.

**Enrollment Management (EM):** The college's administrative unit consisting of the following functions: admissions, records and testing; advising; financial aid, C.A.S.E., the Student Learning Center, tutoring and veterans' benefits; student employment; services for students with disabilities; recruitment and marketing; and the TRiO Student Support Services grant-funded program. In addition, the Associated Student Government reports to the associate vice president of enrollment management. The EM offices provide services to students in such areas as: official grades and transcripts; degree, credit, and transfer-transcript audits; international student services; issuance of diplomas; institutional academic progress (IAP); student safety; student dispute resolution; student orientation and student success strategies.

**Ethnic/Racial Group:** An ethnic or racial category with which a person most closely identifies. Federal and state regulations require BMCC to report aggregated ethnic/racial information and other demographic statistics for its employees and students. The categories listed on federal reports are: American Indian/Alaskan Native, Asian/Pacific Islander, Black, Hispanic, and White. BMCC ethnic/racial reports also include "unknown" and "not reported" categories for students who may be of mixed race or heritage and do not identify with or select any of the categories as listed, who choose not to respond to the query, or who check "unknown" or "not reported" on the data collection form. These ethnic categories do not include international students, who are reported separately.

**Faculty:** The group of employees whose primary assignment is instructional support of the academic mission.

**FAFSA:** The Free Application for Federal Student Aid to apply for financial aid for college or grad school. A completed FAFSA is required for students to be considered for federal and state financial aid.

**Financial Aid Offer:** A combination of financial student-support mechanisms (such as a scholarships, grants, loans, and work-study) determined by the BMCC Office of Financial Aid.

**First-Generation College Student:** Defined at BMCC as a student whose parents have not earned an associate's degree or higher. Defined by the federally funded TRiO-Student Support Services program as a student whose parents have not earned a bachelor's degree or higher.

**First-Time Freshman:** A student with fewer than 45 credits who has enrolled for the first time in college.

**Foundational Requirements:** Refer to General Education Requirements.

**Full-Time Student:** A student enrolled in 12 or more credits during any one term as of the FTE (full-time equivalent) reporting date established by the Oregon Community College Unified Reporting System (OCCURS). Definitions for financial aid and veterans' services programs may vary.

**General Education (Gen. Ed.) Requirements:** Courses in the conventional divisions of arts and humanities, social sciences, and math and science that provide students with a broad educational experience. General education courses are typically introductory in nature and provide students with fundamental skills and knowledge. Students seeking an A.A.O.T. or an A.A.S. degree from BMCC and/or planning to transfer to a four-year academic institution often take these required courses while attending a community college in preparation for successful transition as a junior in pursuit of their baccalaureate degree.

**Grade:** A mark indicating a degree of academic accomplishment.

**Grade Point Average (GPA):** A computation of work done at BMCC and at other academic institutions. Grade points are computed on the basis of: 4 points for each credit of A, 3 points for each credit of B, 2 points for each credit of C, 1 point for each credit of D, and 0 points for each credit of F or FA. All assigned courses, regardless of curriculum, are included in the BMCC cumulative grade point average. To compute your GPA, take the number of points for your grade, multiply them by the number of credits for that class (for example, if you received an A for a four-credit class, you would have a total of 16 points), and divide the total points by total credits. All marks except A, B, C, D, F and FA are disregarded in the computation of grade point averages; however, some of these disregarded marks will affect financial aid and athletic eligibility. *Honors GPA and graduation are calculated differently (see below).*

**Grant:** An award of student financial support that does not require repayment and is based on financial need.

**Honors:** An official recognition of students with exceptional academic qualifications; such students may graduate with honors or high honors. For honors designation, students must have a cumulative GPA of 3.40 to 3.84 in all courses that meet degree requirements. The high honors designation requires a cumulative GPA of 3.85 or higher in all courses that meet degree requirements. The cumulative GPA calculation will include all courses taken at BMCC and other institutions as long as they apply to the degree requirements.

**Hybrid Course:** Courses delivered by a combination of in class time and online coursework.

**In-State Resident:** As defined for tuition purposes, a U.S. citizen or national whose primary residence is in Oregon, Washington, Idaho, Wyoming, Nevada, Montana, or California.

**Interlibrary Loan Service (ILL):** A service provided by the Library and Media Services Center through which BMCC's centers and students, as well as the general public, may obtain materials on temporary loan from other libraries nationwide.

**International Student:** As defined for tuition purposes, a person who is not a citizen or a national of the United States and who is in this country temporarily and specifically to obtain a postsecondary educational degree. BMCC assesses an international student the same rate of tuition as a student who is classified as a nonresident alien; an international student pays the same amount for fees and books as any other student.

**Junior:** Usually defined by four-year institutions as a student with 90 quarter credits of 100-level or higher course work.

**Major:** An extensive program of study in a designated subject area offered at four-year institutions; students seeking a bachelor's degree must declare a major and complete all of its requirements. There are no majors offered at BMCC.

**Matriculation:** Advancing through the educational process toward a goal, particularly related to enrolling in a college or university (for example, upon completing the A.A.O.T. degree at BMCC, a student may matriculate to Eastern Oregon University).

**Minor:** A field of specialized study secondary to a major that may be offered by an academic unit at a four-year institution. There are no minors offered at BMCC.

**New Student:** A student that has not attended BMCC, has attended BMCC but has not attended within the most recent two academic years, earned credits at BMCC prior to completing high school

**Non-Credit Enrollment:** Course offerings in which no credit is awarded for completion; non-credit courses often serve to upgrade skills, maintain licensure, or gain personal enrichment.

**Non-Designated Degree:** A set of courses fulfilling general education requirements for a transfer degree leading to a baccalaureate degree or for the associate of general science degree, which offers a broad education as opposed to a focused or career study program.

**Nonresident Alien:** A term used for tuition purposes to define a person who is not a citizen or a national of the United States and who is in this country on a temporary basis and does not have the right to remain indefinitely. The tuition rate for a nonresident alien is different from the resident tuition rate, but a resident alien student pays the same amount for fees and books.

**Non-Traditional Student:** A student in credit classes or developmental education classes not fitting the traditional student definition.

**Oregon Transfer Module:** A one-year program of study through which a student can complete most, but not all, general education requirements before transferring to a public four-year institution in Oregon.

**Orientation:** An activity for students that is intended to acquaint them with campus resources and thereby better prepare them for successful learning and navigation within the educational system.

**Out-of-State Resident:** A term used to assess tuition for a student who is a U.S. citizen or national whose primary residence lies outside Oregon, Idaho, Washington, Nevada, Montana, or California.

**Outcome:** A term used at BMCC and at other institutions that defines institutional expectations and academic standards. Student-learning outcomes are specific statements defining the expected understanding, knowledge, and/or skill-set that a successful student will have obtained upon completing a course. All course syllabi at BMCC list expected student-learning outcomes.

**Part-Time Student:** For most purposes at BMCC, and consistent with national definitions, a degree-seeking student who is enrolled in fewer than 12 credit hours in a term as of the FTE (full-time equivalent) reporting date established by the Oregon Community College Unified Reporting System (OCCURS). Definitions for the financial aid and veterans' services programs may vary.

**Peer Tutor:** A trained student who works with fellow students to provide, at no additional cost to the recipients, additional instruction in course work that he or she has completed with a grade of B or better.

**Placement Test:** An assessment of academic preparedness that helps place a student into a specific course addressing the particular skill level identified by the test. BMCC uses placement tests in math, reading, and writing to help ensure a student's success in college.

**Pre-registration:** Allows students to register before the beginning of classes each term. Students must be in good academic standing and have no outstanding financial balance due from a previous term; otherwise they may be prevented from enrolling in classes or be removed from classes until such obligations are met.

**Prerequisite:** A course or instructional program that students are expected to complete successfully as a necessary requirement before they are permitted to enroll in another course or instructional program that is more advanced.

**Professional Tutors:** Professional tutors are qualified individuals who have a minimum of a bachelor's degree and have been approved through the Office of Instruction to offer tutoring services to credit seeking, GED, ABE, or ESL students at BMCC.

**Quarter:** Synonymous with the academic period often called a term at BMCC. There are four quarters in an academic year, beginning with the summer quarter and ending with the following spring quarter.

**Registration:** The placement of a student within a credit or non-credit course. Enrollment and registration are interchangeable from a student standpoint. From an institutional standpoint, registration is the process of enrollment and enrollment is a status.

**Resident:** For tuition purposes, a student whose primary residence is in Oregon; residents are charged in-state tuition. At BMCC, students who reside in Idaho, Washington, Nevada, Montana, and California are also considered residents.

**Resident Alien:** A person who is not a citizen or national of the United States and who has been lawfully admitted for permanent residence (and who holds alien registration receipt cards Form I-551/155). A resident alien is assessed tuition at the same rate as a citizen or national of the United States.

**Returning student:** Student that has graduated from high school or is over 18 and has attended BMCC within the most recent two academic years.

**Scholarships:** Financial support mechanisms awarded to students based on merit or need. Scholarships may require that recipients meet certain conditions such as term credit load or progress toward degree. Scholarships do not have to be repaid.

**Sequence Courses:** Two or more closely related courses in a discipline or subject area, taken in a specified order using chronological numbering.

**Sophomore:** A student who has completed 45 or more credit hours.

**Staff:** The category of employees whose primary assignment is administrative support of the academic mission.

**Subject Code:** An alphabetical abbreviation used with a course number to indicate an academic subject area, such as MTH for math courses.

**Supplemental Instruction:** Face-to-face or online teaching and learning opportunities offered by instructors in addition to and in support of the classroom experience.

**Syllabus:** An outline of a particular course offering that communicates the course's content, learning objectives, and expected performance criteria for student grades.

**Term:** An academic quarter.

**Traditional Student:** A student who is between the ages of 18 and 22 years old taking credit-bearing courses and who has received a high school diploma.

**Transcripts:** The official record of courses and grades attempted or completed by a student. *Official transcripts* must be ordered by the student from an academic institution's enrollment management office. *Transfer transcripts* are records from another school that BMCC uses for admission purposes or for evaluating a student's earned credits that may be accepted toward a program of study at BMCC. Students requesting transfer transcripts from another institution must arrange to have those transcripts sent directly to BMCC's Office of Enrollment Management in order for those transcripts to be considered official and to be used in assessing credits already earned. *Unofficial transcripts* from BMCC are available online through the student's account.

**Transition:** The process of a student's successful fulfillment of declared educational goals and his/her subsequent advancement to another endeavor as a result of completing those goals. Transitions may occur, for example, from one academic level to the next, from a study program to a job, or from one institution of higher education to another.

**TRiO Student Support Services:** A federally funded student-support program that provides services to help eligible students succeed in college. The project serves first-generation, low-income, or disabled students who are seeking a college degree and who hold U. S. citizenship.

**Tuition and Fees:** BMCC Board approved total mandatory charges assessed students for enrolling in the institution each term.

**Tutor:** A person with expertise in specific subject areas to assist students in understanding concepts taught in the classroom. Tutors are available free to the students at most BMCC locations, though they may be available to help only in specific academic areas.

**Withdraw:** The process of filing the required paperwork when a student abandons an attempt to earn the credits associated with a given course. Both the course and a grade of W appear on the student's transcript. The grade of W is not calculated for GPA; however, a W may affect a student's financial aid. Students withdrawing from classes do not receive a refund of tuition or fees.

**WolfWeb:** The Internet-based resource that provides BMCC students online access to all of their BMCC information.

## BMCC Services

Admissions	278-5759
Advising	278-5931
Alumni	278-5850
Ambassadors	278-5936
Art Gallery, Betty Feves	278-5952/5154
Athletics	278-5900/5896
Bookstore	278-5733
Box Office (Theater)	278-5953
Business Office	278-5744
Computer Services / Help Desk	278-5827
Cooperative Work Experience	278-5969
Copy Center	278-5966
CTUIR / Tribal Liaison	278-5935
Disability Services	278-5965
Distance and Extended Learning	278-5763/5969
Enrollment Management	278-5760
EOU Distance Education	278-5776/5778
Financial Assistance to Students	278-5759
Food Services	278-5946
Foundation	278-5775
Grants	278-5831/5930
Health and Wellness Resource Center	278-5965
Human Resources	278-5837/5850
Inclement Weather Information	276-1260
Instruction, Office of	278-5930
Library	278-5915



Maintenance	278-5903/5904
Marketing	278-5936/5962
Public Relations	278-5839
McCrae Activity Center	278-5900/5896
OSU Extension Office	278-5403
Operations	278-5780
President's Office.	278-5951
Recruitment (Student)	278-5936
Registrar	278-5757
Room Scheduling	278-5969
Service Center	278-5759
Scholarship	278-5762
Small Business Development Center, Pendleton	278-5833
Student Employment	278-5165
Student Government Office/Student Activities	278-5948
Student Learning Center	278-5958
TDD Hearing Impaired Hermiston	564-9248
Pendleton	278-2174
Testing	278-5931
Theater Box Office	278-5953
TRiO Student Support Services	278-5853/5852
Tutoring	278-5958
Veterans' Assistance	278-5165
Weather Closure Information	276-1260
Web Coordination	278-5855

## **Academic Departments**

Agriculture	278-5868
Apprenticeship	278-5854
Business Technologies	278-5868
Civil Engineering Technology	278-5868
College Preparatory Programs.	278-5803/5795
Computer Science	278-5877
Dental Assisting	278-5877
Diesel Technology	278-5868
Early Childhood Education	278-5941
Education	278-5927
English	278-5944
Fine Arts	278-5944
Mathematics	278-5877
Nursing	278-5877
Physical Education	278-5896
Science	278-5788
Social Science	278-5944

## **BMCC Location-Specific Services**

BMCC Baker County	523-9127 or 276-1260 ext. 3201
BMCC Grant County	575-1550
BMCC Hermiston	567-1800 or 276-1260 ext. 3303
BMCC Milton-Freewater	938-7176 or 276-1260 ext. 3171

BMCC Morrow County - Boardman	481-2099
BMCC Morrow County - Ione	422-7040
College Preparatory Programs	
Baker City	523-9127
Boardman	481-2099
Hermiston	567-6615
Milton-Freewater	938-4082
Pendleton	278-5803
JOBS Programs	
Hermiston	567-1800 ext. 3322
Milton-Freewater	938-4082 ext. 3175
Pendleton	276-9050 ext. 229
SBDC, Hermiston	564-9021, ext. 3341
Community Corrections Education	276-7824 ext. 249
Eastern Oregon Correctional Institution (EOCI Ed.)	278-7102
Powder River Correctional Facility (PRCF Ed.)	278-7102
Two Rivers Correctional Institution TRCI Ed.)	922-6135