

# LIGHTS, CAMERA, DIGITAL MEDIA DESIGN



**Klamath Community College**  
**2025 Spring**

**Academic Course Schedule**  
**Spring Term** starts March 31

**Digital Media Design** page 2



## CAPTURING THE FUTURE

**By Eric Basangan**

*Founder, Underground Art KF*

In today's technology-driven world, the need for digital media professionals in various disciplines is steadily growing. KCC's **Digital Media Design** (DMD) program is an amazing opportunity for students in Klamath County who are creatively inclined to learn the skills to pursue successful careers in the digital arts.

The program offers a comprehensive, hands-on approach, covering key areas in graphic design, web development, video production, photography and interactive media and the practical industry specific application of the skills learned. Students gain proficiency with industry-standard software and the skills to manage and organize the digital assets they produce, effectively preparing them for various roles in digital media and how to navigate the professional work environment.

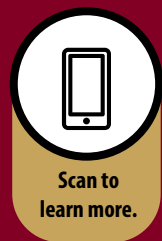
Students are also encouraged to gain real-world experience by working with community partners on real-world projects through various engagement opportunities through job development programs, internships, mentorships, and/or workshops that are taught by industry professionals giving students a glimpse of their potential professional daily life.

To further ensure program graduate success in the workforce, programs are in place to help students with résumé building and review, portfolio development integrated in course work tailored to specific segments of the industry, and career support through job fairs, networking opportunities and career workshops leading to a seamless transition into the workforce.

The opportunities for graduates are endless in the diverse careers in digital arts. From advertising, entertainment, web design, digital marketing, graphic design, video production & editing—too many to list. The program's focus on design principles, the creative process and utilizing evolving technology ensures that students are well-equipped to enter the evolving digital media landscape.

KCC's **Digital Media Design** program provides students with a solid foundation in creativity, technology and practical worksite skills preparing them to meet the challenges of pursuing opportunities in the exciting and evolving world of digital media careers.

To learn more, visit  
[www.klamathcc.edu/dmd](http://www.klamathcc.edu/dmd)



Scan to  
learn more.



# KCC

# Welcome! ¡Bienvenidos!

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**KCC Administration**

**Calendar, Tuition & Fees**

**Student Resources**

**Student Life**

**Degrees & Certificates**

**Campus Safety**

**Campus Map**

**Courses A-Z**

## Registering at KCC Has Never Been Easier!

**New students start here**

**Current students start here**

1

**Step 1 - Complete a KCC Application for Admission**

Available online at [www.klamathcc.edu/admissions](http://www.klamathcc.edu/admissions) or call 541-882-3521.

2

**Step 2 - Apply for Financial Aid**

Students who wish to receive federal financial aid should apply at [studentaid.gov/fafsa](http://studentaid.gov/fafsa). Apply as early as possible.

3

**Step 3 - Meet with an Advisor**

Meet with KCC Student Services online or in person to determine if you need a placement test, and to register for classes inside Founders Hall or call 541-882-3521.

4

**Step 4 - Purchase textbooks**

Textbooks may be purchased at the KCC Bookstore in Founders Hall and at [bookstore.klamathcc.edu](http://bookstore.klamathcc.edu). If financial aid is complete, students can charge books to their student account at the bookstore. For more information, please visit [bookstore.klamathcc.edu](http://bookstore.klamathcc.edu) or call 541-880-2345.

1

**Step 1 - Meet with your academic advisor**

Students will need to receive registration clearance to be able to register for classes.

2

**Step 2 - Register for classes**

Save time by using web registration on [mykcc.klamathcc.edu](http://mykcc.klamathcc.edu).

3

**Step 3 - File a FAFSA On the Web**

Students must file a Free Application for Federal Student Aid (FAFSA) every year for the upcoming academic year (summer-spring terms) if they wish to receive financial aid. Check your online account to make sure everything is ready for the upcoming term.

4

**Step 4 - Purchase textbooks**

Textbooks may be purchased at the KCC Bookstore in Founders Hall and at [bookstore.klamathcc.edu](http://bookstore.klamathcc.edu). If financial aid is complete, students can charge books to their student account at the bookstore. For more information, please visit [bookstore.klamathcc.edu](http://bookstore.klamathcc.edu) or call 541-880-2345.



KCC Mission

Klamath Community College provides accessible, quality education and services in response to the diverse needs of the student, business, and community.

The college supports student success in workforce training, academic transfer, foundational skills development, and community education.

Accreditation

Klamath Community College is accredited by the Northwest Commission on Colleges and Universities.

Equal Opportunity Policy

It shall be the policy of the Klamath Community College District to affirm the rights of all individuals to equal education, activities, facilities, and employment without regard to age, sex, disability, national origin, race, marital status, religion, or sexual orientation in accordance with federal and state laws. Klamath Community College complies with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, and Title II of the Americans with Disabilities Act of 1990, and any amendments thereto.

Inquiries or grievances concerning the application of these laws and regulations to the College may be directed to Klamath Community College’s Executive Director of Human Resources and General Counsel at 7390 South 6th St., Klamath Falls, OR 97603 or at 541-882-3521 or to the Office of Civil Rights, U.S. Department of Education, 915 Second Ave. Room 3310, Seattle, WA 98174-1099.

Accommodations

If a person with a disability needs assistance in order to attend or participate in a college event or meeting, please notify accessibility services at 541-882-3521 within three days of the meeting.



A note from a community partner



Dan Stearns

KCC partnership helps transform KU Digital Media program

In 2014, after six years of retirement, Dan Stearns found himself at Klamath Community College (KCC), working in their new Digital Media Program. A chance encounter during a summer film program with Vice President of Academic Affairs Jamie Jennings changed everything. She asked him, “Have you ever thought about teaching?”

Soon after, he began teaching at Klamath Union High School (KU) while working with KCC’s Digital Media Program. At 65, he earned his Career and Technical Education (CTE) Teaching Credentials, and over the past seven years, he has transformed the KU Digital Media Program into one of the most successful high school media programs in the nation.

Hands-on approach

Dan’s vision for the KU Digital Media Program is hands-on, industry-focused, and student-driven. He teaches four core subjects, which together earn students a Certificate in Digital Media: Digital Photography; Graphic Design; Video 1; and Video 2. Since 2024, 84 KU seniors have earned their Certificate in Digital Media from KCC, allowing them to walk at the KCC graduation ceremony.

Expanding the Program: Beyond the Classroom

Stearns developed Advanced Media Courses, including Live Sports Broadcasting and Entrepreneurial Media Businesses. These programs allow students to work with professional equipment and develop real-world skills. Students in the program run The KU Print Shop, where they design and produce vinyl banners, posters, T-shirts, hats, and more. Additionally, students manage a professional wedding photography and videography business, which includes DJ services with video boards and lighting. The latest addition to the program is Live Sports Broadcasting, where students learn play-by-play announcing, camera operation, instant replay, and live editing, mirroring ESPN’s mobile broadcasting labs.

Program opens doors to the world

All funds raised through student-run businesses go toward educational trips, giving students the chance to explore the world and expand their media experience at little to no personal cost. Past trips have included Hawaii, the Caribbean, and in summer 2025, Alaska.

Innovation and excellence

Over the last seven years, Dan has turned the KU Digital Media Program into one of the most recognized and awarded high school media programs in the country, winning national, state, and local competitions. His motto is simple: “Dream It, Say It, Do It.”

KCC Administration



Dr. Roberto Gutierrez  
President



Jamie Jennings  
VP of Academic Affairs



Charles Massie  
VP of External Programs



Denise Reid  
VP of Administrative Services

KCC Board of Education

- Zone 1: Kate Marquez
- Zone 2: Kenneth Decrans
- Zone 3: Misty Buckley
- Zone 4: Dave Jensen
- Zone 5: Linda Dill
- Zone 6: Raymond Holliday
- Zone 7: Richard Harrington

Student Board Member  
(non-voting)  
Jacob Gonzales  
ASKCC President



Gail Schull  
VP of Student Affairs



Joseph Terino  
Executive Director of Human Resources



Josh Guest  
General Counsel

Academic Calendar

Spring Term 2025

Register now! Orientation is now mandatory for new students. All degree-seeking students must speak with an academic advisor before registering for classes.

March 31	Classes Begin
April 4	Last Day to Drop or Add Course (instructor permission required after classes begin)
	Last Day to Request a Refund
May 5	Summer Term Registration Opens
May 5	Fall Term Registration Opens
May 23	Last Day to Withdraw with a ‘W’
May 26	Campus Closed – Memorial Day
June 9-13	Final Exams
June 13	Commencement

At KCC our goal is your success. Whatever your goal, we can help you achieve it!

**ENROLL TODAY!**

**KLAMATH**  
Community College

541-882-3521 | KLAMATHCC.EDU

Tuition, Fees, and Funding

TUITION & FEES

Current tuition information can be found at [www.klamathcc.edu/tuition](http://www.klamathcc.edu/tuition)

SCHOLARSHIPS

General scholarship information can be found at [www.klamathcc.edu/scholarships](http://www.klamathcc.edu/scholarships)

KCC Foundation scholarships can be found at [www.klamathcc.edu/foundation-scholarships](http://www.klamathcc.edu/foundation-scholarships)

OTHER FUNDING

Emergency funds through the KCC Foundation [www.klamathcc.edu/foundation-scholarships](http://www.klamathcc.edu/foundation-scholarships)

STEP/SNAP/TANF JOBS

[www.klamathcc.edu/step](http://www.klamathcc.edu/step)

Payment

Tuition and fees are due by the first day of class; accounts are considered past due after this date. Students must pay their account in full or have a completed financial aid application filed by this date. The college accepts all traditional forms of payment, including cash (U.S. dollars only), checks, MasterCard, VISA, Discover, debit cards, and payments online. Third-party payment arrangements are also acceptable, which include agency or company payment authorizations, financial aid, scholarships, and veterans educational benefits. It is the student’s responsibility to ensure that written third-party authorization is received by the college. Installment plans are available for students with a minimum balance of at least \$275. For more information on setting up an installment agreement and making payments, please contact the cashier at 541-880-2237.

A late fee of \$25 may be assessed on student accounts that are past due. This fee may be assessed up to three times during the term. Failure to make timely payments or to make satisfactory payment arrangements by the due date may result in late fees and/or administrative withdrawal from classes. Prior term unpaid balances must be paid in full before registering for another term. Other college services such as diplomas, registration privileges, or any combination thereof may be withheld if students do not make satisfactory arrangements to meet their financial obligation to the college. KCC and Oregon Tech provide concurrent notification to one another of student holds.



Accessibility Services

Accessibility Support Services are available for students with documented disabilities. Students can meet with the Accessibility Coordinator to help set up accommodations for courses. Accommodations can include extra time on tests, a dedicated note taker, and more.

Accessibility Support Services can be contacted at [kcc.disability@klamathcc.edu](mailto:kcc.disability@klamathcc.edu) or call 541-882-3521.

**Community Resource Benefits Navigator**

The Community Resource Benefits Navigator coordinates a wide range of non-academic resources, assist students in evaluating and addressing their specific barriers, and ensures students are aware of all the available resources and benefits, including:

- Referring students to on-campus resources
- Referring students to external partners
- Connecting students to local, state, and federal benefits and resources by:
  - Determining eligibility,
  - Assisting students with the application process,
  - Ensuring students maximize available resources and benefits

Contact the Community Resource Benefits Navigator at [kcc.benefits.navigator@klamathcc.edu](mailto:kcc.benefits.navigator@klamathcc.edu).

**TANF Job Opportunity and Basic Skills (JOBS)**

JOBS services are available for TANF recipients, referred by a Family Coach, of all ages who are seeking a job or career education that will allow them to seek, or return to, work in less than one year. Services available:

- GED and English as a Second Language (ESL) program
- Academic skill building
- Connection to additional resources and scholarships (for eligible participants)

Contact your DHS Family Coach or the KCC JOBS Coordinator at 541-880-2381 or [ruizm@klamathcc.edu](mailto:ruizm@klamathcc.edu).

**KCC Bookstore**

Textbooks for Klamath Community College are available at the KCC Bookstore in Founders Hall, Building 9. The store also offers supplies, KCC clothing, graduation regalia, and food. Students with federal financial aid can charge textbooks and supplies to their accounts. Books can be sold back at the end of the term. For more info, visit [bookstore.klamathcc.edu](http://bookstore.klamathcc.edu) or call 541-880-2345.

**KCC Career Services Center**

The KCC Career Services Center, located in Building 4, Room 415, is your one-stop-shop for help with career counseling, advising, and coaching, including individualized assistance and/or workshops for the following topics:

- Résumé and cover letter writing
- Filling out job applications
- Behavioral and traditional interviewing, and mock interviews
- Dressing for interviews, office visits, and work
- Job search techniques
- Networking with employers
- Job fairs
- Labor market research/career exploration assessments to find a career based on your interests

Contact the Career Services Center at [kcccareercenter@klamathcc.edu](mailto:kcccareercenter@klamathcc.edu) or call 541-880-2354.

The Learning Resource Center

The Learning Resource Center (LRC) in Founders Hall includes the Library, Testing Center, and Tutoring Center. It offers study space, research resources, tutoring, testing, computers, printing, copying, and scanning. KCC students can access the online SAGE Library System, which includes over 75 libraries in Eastern Oregon. Many LRC resources are available online.

**SNAP Training and Employment Program (STEP)**

STEP services are available for SNAP recipients of all ages who need help in seeking, or continuing with, job or career education. Services available:

- Career coaching
- Academic skill building
- Career Pathways training
- Internships / work experience
- KCC tuition, books, and fee support

Contact the STEP Coordinator at 541-880-2343 or [scobee@klamathcc.edu](mailto:scobee@klamathcc.edu).

**Technology Help Desk**

Need help with printing, installing Microsoft Office 365, or other technology? Visit the Technology Help Desk in the Health Sciences Building (Bldg 6) room 6134. Phone: 541-880-2226 | Email: [is.helpdesk@klamathcc.edu](mailto:is.helpdesk@klamathcc.edu) Hours: Monday - Friday: 7 AM-8 PM | Saturday: 10 AM-2 PM

**Testing Center**

The Testing Center provides testing/proctoring services for a variety of assessments to KCC students, the extended community, other partnering colleges, and local/state licensing agencies. For more information, call 541-880-2334. The Testing Center is located in Building 3.

**TRiO Student Support Services**

TRiO Student Support Services is a free program funded by the U.S. Department of Education. TRiO accepts up to 140 students and follows that cohort from program entry to graduation and/or transfer. Students receive extra academic advising, transfer assistance, tutoring, career and learning style assessment, visits to universities, and several cultural events each year.

TRiO is located in Founders Hall. For more information, or to request an application, call 541-880-2289, email [trio@klamathcc.edu](mailto:trio@klamathcc.edu) or visit [www.klamathcc.edu/trio-sss](http://www.klamathcc.edu/trio-sss).

**Tutoring Services**

**IN-PERSON TUTORING**

Tutors are available to help students in a variety of subjects, including math, chemistry, physics, biology, writing, computers, English, Spanish, and more! This service is free to current students in the LRC's Tutoring Center, upstairs in Founders Hall, room 9120.

**TutorMe**

Students have free 24/7 access to reference help and online tutoring through the college's online learning platform, Canvas.

**Veterans Services**

KCC supports U.S. military service members, veterans, and spouses as students. The Campus Veterans Resource Center staff can assist with financial aid and education needs, whether you're pursuing traditional training, a CCAF degree, or online courses through General Education Mobile. For more information, call 541-880-2214 or email [veterans@klamathcc.edu](mailto:veterans@klamathcc.edu).

Office of Student Life

Student Life promotes the development and success of our students by providing opportunities for meaningful, diverse connections; personal and professional leadership and growth; and community engagement and service.

Get connected! Stop by the Office of Student Life to find ways to enhance your college experience at KCC and develop your skills outside the classroom.

For more information or to get involved, contact Student Life at 541-880-2321 or via email at [studentlife@klamathcc.edu](mailto:studentlife@klamathcc.edu).

**Experiences Beyond the Classroom**

**COMMUNITY SERVICE & VOLUNTEERISM**

The Volunteer Badgers program offers opportunities for students and employees to give back to the Klamath Falls community. From adopting a section of the OC&E Trail to volunteering at local events, Volunteer Badgers host service days and are working to expand the number and type of projects available.

The Office of Student Life also hosts a volunteer fair to facilitate meaningful service and community engagement in partnership with community-based organizations. Check out our calendar for event dates and times: [www.klamathcc.edu/events](http://www.klamathcc.edu/events).

**DIVERSITY**

The Office of Student Life celebrates the diversity of experiences and backgrounds found within the KCC community. To foster connection and growth among students and staff, Student Life hosts a wide variety of diversity-based activities and events.

**WELLNESS**

Being a student is more than sitting in a classroom. Student Life aims to get students moving and practice wellness in their everyday lives. Students are invited to use the Wellness Center in Building 4. Students are invited to join the soccer, golf, or bowling clubs.

**LEADERSHIP**

The Office of Student Life hosts workshops to encourage student learning beyond the classroom. These workshops are free and open to students at any level in their leadership journey. Potential topics include effective communication, resumé review, informed decision making, emotional intelligence, and more.

**KCC Foundation**

The KCC Foundation offers tuition, course fee, book and other cost of attendance support through scholarships and emergency grants. Programs include:

- **Academic Scholarships** — Academic scholarships are offered three times a year on a regular cycle.
- **Education Access & Opportunity (EAO) Fund** — EAO funds support students who are not FAFSA eligible or who are seeking education that is not supported by Federal Financial Aid, such as, Non-Credit Skills training, Registered Apprenticeship's, Construction Trades training, SBDC Business Management trainings, and Adult GED/ESL programs.
- **Emergency Support** — Emergency support is offered to help students facing a one-time emergency that will, or could, prevent them from successfully completing their education.

Foundation support funding has set limits, and all funds require an internal approval process prior to awarding. For more information email [foundation@klamathcc.edu](mailto:foundation@klamathcc.edu) or call 541-880-2234.



Associated Students of  
**KLAMATH**  
Community College

Get Involved

**ASSOCIATED STUDENTS OF KLAMATH COMMUNITY COLLEGE (ASKCC)**

ASKCC advocates for the student body at local, state, and federal levels, creating opportunities for community engagement and providing access to resources based on individual and collective student needs.

**Advocacy • Service • Knowledge • Community • Connection**

**ASKCC OFFICERS**

ASKCC officers are selected each year during the spring term and work to advocate for the student body each academic year (summer term through spring). Officers are available for support or a listening ear during their office hours each week in the Office of Student Life located in Building 4.

If you are interested in applying for an officer position, stop by the Office of Student Life or email [studentlife@klamathcc.edu](mailto:studentlife@klamathcc.edu).

**Student Clubs and Organizations**

**WHY SHOULD YOU GET INVOLVED?**

Have you ever been passionate to represent a culture or hobby? Joining a club would be a perfect fit! At KCC, student clubs and organizations are the perfect environment to take ownership of your college experience and have some fun. Students who are involved in clubs will tell you that they provide leadership opportunities, a greater sense of belonging, and a positive outlet for the stress that college can bring.

Visit [www.klamathcc.edu/clubs](http://www.klamathcc.edu/clubs) to see a list of active clubs.

**DON'T SEE A CLUB YOU WANT TO JOIN? CREATE A NEW CLUB!**

It's simple to start a new club on campus! If you have an idea for a club that you would like to see at KCC, contact Student Life, at [studentlife@klamathcc.edu](mailto:studentlife@klamathcc.edu) or 541-880-2321.





# Degrees and Certificates

### Accounting

- Associate of Applied Science
- Accounting AAS
- One-Year Certificate
- Accounting Certificate
- Less-Than-One-Year Certificate
- Accounting Career Pathway Certificate

### Associate of Arts Transfer (AAT)

- AAT- English Literature

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

- AAOT
- AAOT - Elementary Education
- AAOT - Exercise Science Emphasis
- AAOT - Fire Ecology Emphasis
- AAOT - Forest Ecology Emphasis
- AAOT - Math Emphasis

### Associate of General Studies (AGS)

- AGS
- AGS - Psychology

### Associate of Science (AS)

- Associate of Science

### Associate of Science Transfer (AST)

- AST - Biology
- AST - Business

### Automotive Technology

- Associate of Applied Science
- Automotive Technology AAS
- Less-Than-One-Year Certificate
- Automotive Technician Electrical/Electronic Specialist Career Pathway Certificate

### Aviation

- Associate of Applied Science
- Aviation Airplane AAS
  - Aviation Helicopter AAS

### Business Administration

- Associate of Applied Science
- Business Administration AAS (Emphasis in Business Management or Marketing)
- One-Year Certificate
- Business Administration Business Management Certificate
  - Business Administration Marketing and Sales Certificate
  - Business Administration Human Resources Certificate
- Less-Than-One-Year Certificate
- Business Administration First-Line Supervisor Fundamentals Career Pathway Certificate

### Business Technology

- Associate of Applied Science
- Business Technology Administrative Office Professional AAS
- One-Year Certificate
- Business Technology Administrative Office Professional Certificate
- Less-Than-One-Year Certificate
- Business Technology Administrative Office Professional Office Support Specialist Career Pathway Certificate

### Computer Engineering Technology

- Associate of Applied Science
- Computer Engineering Technology AAS
- One-Year Certificate
- Computer Systems Fundamentals Certificate
- Less-Than-One-Year Certificate
- Computer Systems Fundamentals Career Pathway Certificate

### Cosmetology

- Associate of Applied Science
- Cosmetology AAS
- One-Year Certificate
- Cosmetology - Barbering Certificate
  - Cosmetology - Esthetics and Nail Technology Certificate
  - Cosmetology - Hair Design Certificate
- Less-Than-One-Year Certificate
- Cosmetology - Esthetics Career Pathway Certificate

### Criminal Justice

- Associate of Applied Science
- Criminal Justice AAS
- One-Year Certificate
- Addiction Studies Certificate
  - Criminal Justice Certificate
- Less-Than-One-Year Certificate
- Addiction Studies Career Pathway Certificate

### Cybersecurity and Networking

- Associate of Applied Science
- Cybersecurity and Networking AAS
- One-Year Certificate
- Secure Network Technician Certificate
- Less-Than-One-Year Certificate
- Computer Support Technician I Career Pathway Certificate

### Diesel Technology

- Associate of Applied Science
- Diesel Technology AAS
- Less-Than-One-Year Certificate
- Diesel Technician Electrical/Electronic Specialist Career Pathway Certificate
  - Professional Truck Driver Career Pathway Certificate

### Digital Media Design

- Associate of Applied Science
- Digital Media Design AAS
- One-Year Certificate
- Digital Media Design Multimedia Design Certificate
  - Digital Media Design Web Design Certificate
- Less-Than-One-Year Certificate
- Digital Media Design Multimedia Design Career Pathway Certificate
  - Digital Media Design Web Design Career Pathway Certificate

### Education

- Associate of Applied Science
- Early Childhood Educator Emphasis AAS
  - Education - Paraeducator Emphasis AAS
- One-Year Certificate
- Early Childhood Educator Certificate
  - Education - Paraeducator Certificate
- Less-Than-One-Year Certificate
- Early Childhood Education Career Pathway Certificate
  - Early Childhood Education Career Pathway Certificate (Spanish)
  - Education - Paraeducator Career Pathway Certificate

### Emergency Response and Operations

- Associate of Applied Science
- Emergency Response and Operations AAS (Emphasis in Criminal Justice, Emergency Medical Technician, Structural Fire Science, and Wildland Fire Science)
- One-Year Certificate
- Criminal Justice Certificate - ERO
  - Emergency Medical Technician Certificate
  - Structural Fire Science Certificate
  - Wildland Fire Science Certificate
- Less-Than-One-Year Certificate
- Criminal Justice Career Pathway Certificate
  - Emergency Medical Technician Career Pathway Certificate
  - Structural Fire Science Career Pathway Certificate
  - Wildland Fire Science Career Pathway Certificate

### Health Services

- Associate of Applied Science
- Health Information Management AAS
- One-Year Certificate
- Certified Coding Specialist Certificate
- Less-Than-One-Year Certificate
- Electronic Health Record Career Pathway Certificate
  - Medical Administrative Assistant Career Pathway Certificate

### Laboratory Technician

- Associate of Applied Science
- Laboratory Technician AAS
- One-Year Certificate
- Laboratory Technician Certificate
- Less-Than-One-Year Certificate
- Biological and Biotechnology Laboratory Technician Career Pathway Certificate
  - Medical and Clinical Laboratory Technician Career Pathway Certificate

### Manufacturing Engineering Technology

- Associate of Applied Science
- Manufacturing Engineering Technology AAS
- One-Year Certificate
- Manufacturing Engineering Technologist Certificate
- Less-Than-One-Year Certificate
- Computer Aided Design Career Pathway Certificate
  - Mechanical Design Solid Modeling Career Pathway Certificate

### Nursing

- Associate of Applied Science
- Nursing AAS
- One-Year Certificate
- Practical Nurse Certificate

### Surgical Technology

- Associate of Applied Science
- Surgical Technology AAS

### Welding

- One-Year Certificate
- Welding Certificate
- Less-Than-One-Year Certificate
- Welding - Gas Metal Arc/Wire Feed Welding Career Pathway Certificate
  - Welding - Shield Metal Arc/Stick Welding Career Pathway Certificate
  - Welding - Tig/Aluminum Stainless Steel Flat Welding Career Pathway Certificate
  - Welding - Shield Metal Arc/Stick Welding of Pipe Career Pathway Certificate

# Campus Safety



The Campus Safety staff is committed to promoting a safe and secure campus and protecting our college community. All members of the college can assist in making Klamath Community College a safe environment. We need your eyes and ears open to help keep our campus safe. Please report any suspicious activity to Campus Safety.

## CONTACT INFORMATION

Visit Building 3, Room 301

Emergency: call 911

Campus Safety can be contacted at 541-880-2314.

You can contact Campus Safety via email at [safety@klamathcc.edu](mailto:safety@klamathcc.edu).

## CRIME PREVENTION TIPS

- Always lock your car.
- Park in a lighted area at night.
- Try to travel in groups.
- Be aware of blue-light emergency phone locations.
- Walk with your keys in hand.
- Look in your backseat before entering your car.
- Carry your purse or backpack close to your body.
- Never accept a ride from a stranger.
- Let friends and/or family know of your schedule.
- In case of an emergency, CALL 911 !

## Klamath Community College Non-Discrimination and Equal Opportunity Policy

Klamath Community College is an equal opportunity educator and employer. It shall be the policy of the Klamath Community College District to affirm the rights of all individuals to equal education, activities, facilities, and employment without regard to age, sex, disability, national origin, race, color, marital status, religion, or sexual orientation in accordance with federal and state laws. Klamath Community College complies with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, and any amendments thereto.

Inquiries or grievances concerning the application of these laws and regulations to the college may be directed to Klamath Community College's Executive Director of Human Resources and General Counsel at 7390 South 6th St., Klamath Falls, OR 97603 or at 541-882-3521; or to the Office of Civil Rights, U.S. Department of Education, 915 Second Ave. Room 3310, Seattle, WA 98174-1099.



Building #	Building Name	Building Contents
Building 1		Childcare Facility
Building 2		Classrooms
Building 3		Agriculture Lab, Art Lab, Faculty Offices, HR Offices, Testing Center
Building 4		Aviation, Career Services Center, Commons, Food Services, Student Life Center, Classrooms, Wellness Center
Building 5	Career Technical Center (CTC)	Career Technical Education Classes, Auto & Diesel Lab, Faculty Offices
Building 6	Health Sciences Building (HSB)	Science classrooms, Health and Science Labs, Computer Labs, Student Study Spaces, Faculty Offices
Building 7	KCC Conference Center	Conference Center Space
Building 8	Work Skills Technology Center (WSTC)	Classrooms, Faculty Offices, Klamath Center for Education and Training, Workforce and Community Education Offices
Building 9	Founders Hall	Administrative Offices, Cashier, Bookstore, Financial Aid, TRiO, Learning Resources Center, Student Services, Veterans Services
Building 10	Apprenticeship Center	Welding, Apprenticeship and Workforce Training, HEP Center, Manufacturing Engineering Technology (MET), Fire Science, Emergency Management Services
Building M	Maintenance	Maintenance



**Common Course Numbering**  
In February 2023, the Oregon Higher Education Coordinating Commission (HECC) implemented Common Course Numbering. These courses are standardized in the course title, number, learning outcomes, descriptions, subject code, and credits. The courses are intended to help students keep credit when they transfer from a community college to a four-year university. This saves students time and money by not having to re-take courses. This change benefits students who transfer between any public institution in Oregon.

**What does that mean for you?** It means that when you see a course code ending in the letter 'Z' you are looking at a common course, so it will transfer with no loss of credit between any of Oregon's public universities or community colleges. Be on the lookout for these new courses in the following pages and online at [classes.klamathcc.edu](https://classes.klamathcc.edu).

**Seamless Transfer**  
KCC is a regionally accredited institution that provide seamless transfer opportunities.

**Regional Accreditation**  
[www.klamathcc.edu/accreditation](https://www.klamathcc.edu/accreditation)

**Transfer**  
[www.klamathcc.edu/transfer](https://www.klamathcc.edu/transfer)

- KCC Common Courses:**
- BUS 101Z Introduction to Business
  - BUS 211Z Principles of Financial Accounting
  - BUS 213Z Principles of Managerial Accounting
  - COM 111Z Public Speaking
  - COM 218Z Interpersonal Communication
  - ENG 104Z Introduction to Fiction
  - ENG 105Z Introduction to Drama
  - ENG 106Z Introduction to Poetry
  - MTH 105Z Math in Society
  - MTH 111Z Precalculus I: Functions
  - MTH 112Z Precalculus II: Trigonometry
  - PSY 201Z Introduction to Psychology
  - PSY 202Z Introduction to Psychology II
  - STA 243Z Elementary Statistics I
  - WRI 121Z Composition I
  - WRI 122Z Composition II
  - WRI 227Z Technical Writing

**Course codes ending with 'M'**  
Have you ever looked at the course schedule and wondered why some course codes end with 'M'? You are not alone. Courses that end with 'M' are different from other courses. 'M' classes are always worth five (5) credits, and they cover the same material as other courses with the same title and code. This extra credit hour means more coursework for the same material. There are no extra fees for 'M' classes, but they do cost more in tuition since tuition is charged per credit.

KCC's 'M' courses are intended for our students in the military, but any current student can take them. However, before signing up for an 'M' course, make sure to talk to your advisors since the credit difference may affect your financial aid or degree plan.

Learn more about Common Course Numbering (HECC website)





Addiction Studies

**ADS 102 Drug Use & Addiction**  
An examination of commonly abused drugs with emphasis on the physical, psychological, and behavioral consequences of these drugs. Includes drug chemistry, physiological effects of drug use upon the body, and specific treatment formats and techniques. Recommended: WRI 121 placement.

**ADS 152 Group Counseling & Addiction**  
Introduction and examination of the theory and practice of group counseling in addiction counseling. Students will examine various counseling theories and begin developing their own approach to addictions counseling. Students will participate in guided practice to facilitate skill development. Recommended: Placement into WRI 121.

**ADS 157 Risk Assessment & Intervention**  
An examination of risk assessment and risk management. Topics will include such areas as HIV/AIDS, hepatitis, suicide, and other areas of self-harm. Students will be able to identify ways in which harm reduction and management of high-risk behaviors in addictions counseling represents an important shift in the focus of addictions treatment. Recommended: WRI 121 placement.

**ADS 158 Introduction to Addiction Medication Assessment and Placement**  
Introduction to the American Society of Addiction Medication (ASAM) six dimensions of assessment and placement criteria for persons who are misusing or abusing substances. Students will gain an understanding of the relationships between assessment and intervention planning for those who are misusing or abusing substances. Students will also learn about the correlation between substance abuse and mental health issues.

**ADS 280 Coop Wk Exp: Addictions**  
On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program. Instructor permission is required, and the student must locate a job site for the course.

Automotive Technology

**AMT 292 Lube Technician 1**  
Students will perform career readiness education through practice of live work-based skills. This course will focus on performance, procedure, and applied skills of a lube technician 1. Prerequisite: AMT 291 with a grade of "C" or better.

**AMT 295 Entry Level Technician 2**  
Students will perform career readiness education through practice of live work-based skills. This course will focus on performance, applied skills, analysis and evaluation procedures of an entry level technician 2. Prerequisite: AMT 294 with a grade of "C" or better.

Apprenticeship

**APR 110 Intro to Skilled Trades**  
Job Site Safety Training and Certificate, Hand Tools, Power Tools, Construction Math, Building Plans and Blueprints, Rigging, Employability Skills, Communication and Material Handling. OSHA 10- Training and Certification, CPR and First Aid Training.

**Art**  
**ART 213 Mod Art Hist - Art Since 1945**  
World War II ended the supremacy of Europe in the visual art world and focused attention on America. Course examines and analyzes art since 1945 to explore the ideas behind it, reveal our culture and values, and to gain a greater understanding and appreciation of contemporary art. Recommended: WRI 121 placement.

**ART 284 Watercolor I**  
Includes lectures, demonstrations, films, slides and specific problems dealing with color relationships, composition, and watercolor techniques. Explores different ways of seeing and painting to become more visually literate. Examines basic watercolor techniques and materials. Presents the conceptual framework for critical analysis, along with basic theories of art in the historical context. You will be expected to purchase materials for this course based on a list provided by the instructor. Material costs will be approximately \$100.

Aviation

**AVS 100 Intro to Aviation**  
This course examines aviation from early flight to future potentials. Introduces career opportunities in all fields of aviation and outlines career advancement possibilities. Provides general overview of pilot certificates and ratings and training aircraft used.

**AVS 105 Aviation Fundamentals**  
Covers the basic fundamentals of aircraft aerodynamics, aircraft performance, and aviation meteorology with emphasis on Air Traffic Control (ATC) procedures, pilot communication, and the National Airspace System (NAS).

**AVS 111F Private Pilot I Flight - Helicopter**  
Flight segment of AVS 111G. Corequisite: AVS 111G.

**AVS 111G Private Pilot I: Helicopter**  
This course teaches the basic knowledge and techniques required to achieve solo helicopter flight as part of achieving your FAA Private Pilot Rotorcraft - Helicopter Certificate. Prerequisites: FAA Class II Medical, Duty Weight <240 lbs. Corequisite: AVS 111F.

**AVS 112F Private Pilot I Flight - Airplane**  
Flight segment of AVS 112G. Prerequisites: FAA Class II Medical, Corequisite: AVS 112G.

**AVS 112G Private Pilot I - Airplane**  
This course teaches the basic knowledge and techniques required to achieve solo airplane flight as part of achieving the FAA Private Pilot Airplane - Single Engine Land Certificate. Recommended: AVS 105 taken concurrently with this course. Prerequisites: FAA Class II Medical. Corequisite: AVS 112F.

**AVS 116F Priv Pilot II Flight - Helicopter**  
Flight segment of AVS 116G. Corequisite: AVS 116G.

**AVS 116G Private Pilot II - Helicopter**  
This course teaches the advanced knowledge and techniques required to pass the FAA Knowledge Test and Practical Check-Ride to achieve the FAA Private Pilot Rotorcraft - Helicopter Certificate. Prerequisites: AVS 111G and AVS 111F with a grade of "C" or better, FAA Class II Medical, Duty Weight <240 lbs. Corequisite: AVS 116F. [Aviation: Helicopter AAS]

**AVS 117F Private Pilot II Flight - Airplane**  
Flight segment of AVS 117G. Prerequisites: AVS 112F and AVS 112G with a grade of "C" or better, FAA Class II Medical, Corequisite: AVS 117G.

**AVS 117G Private Pilot II - Airplane**  
This course teaches the advanced knowledge and techniques required to pass the FAA Knowledge Test and Practical Check-Ride to achieve the FAA Private Pilot Airplane - Single Engine Land Certificate. Prerequisites: AVS 112F and AVS 112G with a "C" or better, FAA Class II Medical, Corequisite: AVS 117F.

**AVS 125 Aircraft Systems: Powerplant**  
This course is designed to give students the background in aircraft systems and structures, with an emphasis on powerplant components that will enable them to progress into more advanced aircraft. Provides understanding of the safe and efficient operation of aircraft systems.

**AVS 130 History of Aviation**  
This course will explore the history of aviation from its origins to the present day. It examines the milestones of flight, aviation pioneers, development of aircraft, the evolution of airliners, jets, and rotary-wing aircraft, and developments in manned space travel. The course will survey the scientific, political, military, socioeconomic, and cultural impacts on aviation.

**AVS 150 Meteorology I**  
This is a survey course in atmospheric science that covers weather basics and atmospheric circulations. Included is a systematic development of the following: the atmosphere, energy and temperature, wind, atmospheric moisture, horizontal and vertical pressure patterns, clouds, atmospheric circulation, stability, air masses, fronts, fog, icing, thunderstorms, jet streams, and turbulence. Students will study surface weather observations, routine weather reports and forecasts, surface maps, and constant pressure maps.

**AVS 200F Instrument Flight - Helicopter**  
Flight segment of AVS 200G. Corequisite: AVS 200G.

**AVS 200G Instrument - Helicopter**  
The student will obtain the knowledge, skills, and aeronautical experience necessary to meet the requirements for an Instrument Rating (Rotorcraft - Helicopter). Covers fundamentals of instrument flight, operation, use and limitations of flight instruments, aircraft performance, aeronautical publications, Federal Aviation Regulations, instrument navigation, flight planning, radio procedures, weather, and all topics in accordance with Federal Aviation Regulation. Corequisite: AVS 200F.

**AVS 202F Instrument Flight- Airplane**  
Flight segment of AVS 202G. Corequisite: AVS 202G.

**AVS 202G Instrument- Airplane**  
The student will obtain the knowledge, skills, and aeronautical experience necessary to meet the requirements for an Instrument Rating (Airplane - Single Engine Land). Covers fundamentals of instrument flight, operation, use and limitations of flight instruments, aircraft performance, aeronautical publications, Federal Aviation Regulations, instrument navigation, flight planning, radio procedures, weather, and all topics in accordance with Federal Aviation Regulation. Corequisite: AVS 202F.

**AVS 205F Commercial Flight- Helicopter**  
Flight segment of AVS 205G. Corequisite: AVS 205G.

**AVS 205G Commercial- Helicopter**  
The student will obtain the knowledge, skills, and aeronautical experience necessary to meet the requirements for a Commercial Pilot Certificate (Rotorcraft - Helicopter). Includes in-depth study of aerodynamic systems, performance, aeronautical charts, and regulations. Focus on helicopter flight maneuvers, cross-country flight procedures, and emergency maneuvers. Includes all solo requirements. Corequisite: AVS 205F.

**AVS 207F Commercial Flight - Airplane**  
Flight segment of AVS 207G. Prerequisite: Be at least 18 years of age at time of FAA check flight, hold at least a first or second-class medical certificate valid for at least second-class privileges, and a Private Pilot Airplane (SEL) Certificate. Duty weight <240 lbs. Corequisite: AVS 207G.

**AVS 207G Commercial - Airplane**  
The student will obtain the knowledge, skills, and aeronautical experience necessary to meet the requirements for a Commercial Pilot Certificate (Airplane - Single Engine Land and Multiengine Land). Includes in-depth study of single and multiengine aerodynamics, complex aircraft operations, propeller feathering, V-speeds, human factors, crew resource management, and FAA regulations for commercial pilots. Focus on airplane flight maneuvers, cross-country flight procedures, one engine inoperative, and emergency maneuvers. Includes all solo requirements. Corequisite: AVS 207F. [Aviation: Airplane AAS]

**AVS 210F      Cert Flight Inst Flight- Helicopter**  
Flight segment of AVS 210G. Corequisite: AVS 210G.

**AVS 210G      Cert Flight Instructor- Helicopter**  
The student will acquire the instructional knowledge, understanding, and skill necessary to teach and analyze maneuvers and procedures to meet the requirements for a Flight Instructor Certificate (Rotorcraft – Helicopter). The course includes flight instruction, fundamentals, evaluation techniques, and related skills necessary. Provides a structured environment to learn to teach and evaluate students to achieve a Private Pilot and Commercial Pilot certificate in compliance with Federal Aviation Administration Standards. Corequisite: AVS 210F.

**AVS 212F      Cert Flight Inst Flight- Airplane**  
Flight segment of AVS 212G. Corequisite: AVS 212G.

**AVS 212G      Cert Flight Inst- Airplane**  
The student will acquire the instructional knowledge, understanding, and skill necessary to teach and analyze maneuvers and procedures to meet the requirements for a Flight Instructor Certificate (Airplane – Single Engine Land). The course includes flight instruction, fundamentals, evaluation techniques, and related skills necessary. Provides a structured environment to learn to teach and evaluate students to achieve a Private Pilot and Commercial Pilot certificate in compliance with Federal Aviation Administration Standards. Corequisite: AVS 212F.

**AVS 215F      Cert Flight Inst Instru Flight- Helicopter**  
Flight segment of AVS 215G. Corequisite: AVS 215G.

**AVS 215G      Cert Flight Inst Instrument- Heli**  
The student will acquire the instructional knowledge, understanding, and experience necessary to meet the requirements for a Flight Instructor Instrument Rating (Rotorcraft – Helicopter). The course includes flight instruction, fundamentals, evaluation techniques, and related skills necessary. Provides a structured environment to learn to teach and evaluate students to achieve an instrument rating in a helicopter in compliance with Federal Aviation Administration standards. Corequisite: AVS 215F.

**AVS 217F      Cert FI Inst Instru Flight- Air**  
Flight segment of AVS 217G. Corequisite: AVS 217G.

**AVS 217G      Cert FI Inst Instrument- Air**  
The student will acquire the instructional knowledge, understanding, and experience necessary to meet the requirements for a Flight Instructor Instrument Rating (Airplane – Single Engine Land). The course includes flight instruction, fundamentals, evaluation techniques, and related skills necessary. Provides a structured environment to learn to teach and evaluate students to achieve an instrument rating in an airplane in compliance with Federal Aviation Administration standards. Corequisite: AVS 217F. [Aviation: Airplane AAS]

**AVS 222      Multiengine Instructor - Airplane**  
The student will acquire the instructional knowledge, understanding, and skill necessary to teach and analyze maneuvers and procedures to meet the requirements for a Multiengine Instructor (Airplane – Multiengine Land). The course includes flight instruction, fundamentals, evaluation techniques, and related skills necessary. Provides a structured environment to learn to teach and evaluate students to achieve a Commercial Pilot Multiengine Land rating in compliance with Federal Aviation Administration Standards. Prerequisites: Be at least 18 years of age at time of FAA check flight, hold at least a first or second-class medical certificate that is valid for second-class privileges, hold an Unrestricted Commercial Pilot Certificate, Airplane MEL or an Airline Transport Pilot Certificate, Airplane MEL, an Instrument Rating or privilege, Airplane, and a Flight Instructor Certificate.

**Biology**

**BIO 102      Biology II**  
A laboratory science course designed for non-biology majors. Presents protein syntheses, cell divisions, animal reproduction, genetics, embryology and the basic doctrines of evolution. Prerequisites: MTH 070 or MTH 095 or MTH 111 or placement into MTH 095 or MTH 111 and WRI 095 or WRI 121 or placement into WRI 121. Corequisite: BIO 102L.

**BIO 102L      Bio II Lab**  
Laboratory activities relating to BIO 102. Corequisite: BIO 102.

**BIO 103      Biology III**  
A laboratory science course designed for non-biology majors. Presents the evolutionary relationships among the five kingdoms and their major phyla. The last half of this term covers human systems. Corequisite: BIO 103L.


**BIO 103L      Bio III Lab**  
Laboratory activities relating to BIO 103. Corequisite: BIO 103.

**BIO 112      Integrated Chemistry and Cell Biology for Health Occupations**  
Introduces basic concepts of matter, atoms, compounds, intermolecular forces, solutions, pH, biomolecules, cell chemistry, cell structure and function, cell reproduction, and genetics. Concepts covered are applied to health-related problems. Recommended: MTH 070 or MTH 095 or MTH 111 or placement into MTH 070. Corequisite: BIO 112L.

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**BIO 112L      Integrated Chemistry and Cell Biology for Health Occupations Lab**

Laboratory activities relating to BIO 112. Corequisite: BIO 112.

**BIO 213      Prin of Biology 3 (Preprofessional)**  
Third part of a three-term sequence designed for students majoring in biology and the sciences, including pre-medical, pre-dental, pre-veterinarian, chiropractic, pharmacy, and related fields. Includes form and function of plants, major invertebrate phyla, and general vertebrate morphology and physiology. Corequisite: BIO 213L.

**BIO 213L      Prin of Bio 3 Lab**  
Laboratory activities relating to BIO 213. Corequisite: BIO 213.

**BIO 231      Anatomy & Physiology I**  
First term of a three-term sequence covering chemistry, cells, tissues, and the skin, skeletal, and muscular systems. Laboratory experiences will be used to elaborate on concepts presented in lecture. Prerequisites: BIO 112 and BIO 112L. Corequisite: BIO 231L.

**BIO 231L      Anat & Phys I Lab**  
Laboratory activities relating to BIO 231. Corequisite: BIO 231.

**BIO 232      Anatomy & Physiology II**  
Second term of a three-term sequence. Courses may not be taken out of sequence. Covers nervous, endocrine, cardiovascular, and immune systems. Laboratory experiences will be used to elaborate on concepts and presented in lecture. Prerequisite: BIO 231. Corequisite: BIO 232L.

**BIO 232L      Anat & Phys II Lab**  
Laboratory activities relating to BIO 232. Corequisite: BIO 232.

**BIO 233      Anatomy & Physiology III**  
Third term of a three-term sequence. Courses may not be taken out of sequence. Covers digestive, respiratory, urinary, and reproductive systems, fluid and electrolyte balance, metabolism, embryology, and genetics. Laboratory experiences will be used to elaborate on concepts presented in lecture. Prerequisite: BIO 232. Corequisite: BIO 233L.

**BIO 233L      Anat & Phys III Lab**  
Laboratory activities relating to BIO 233. Corequisite: BIO 233.

**BIO 234      Microbiology I**  
Lecture, recitation, and laboratory will cover: Bacterial genetic recombination; bacterial, viral and parasitic relationships with human health and disease; immune system and allergy; water and sewage treatment; soil microbes; and microbiology of foods. Laboratory stresses aseptic technique, bacterial identification and physiology using a variety of media, culturing techniques, and staining techniques. Prerequisites: MTH 095 and WRI 095. Corequisite: BIO 234L.

**BIO 234L      Microbiology I Lab**  
Laboratory activities relating to BIO 234. Corequisite: BIO 234.

**Business**

**BUS 101Z      Introduction to Business**  
Presents an integrated view of both established and entrepreneurial businesses by studying their common characteristics and processes in a global context. Introduces theory and develops basic skills in the areas of accounting, finance, management, and marketing, with an emphasis on social responsibility and ethical practices. Explores how businesses can create value for themselves and society by addressing environmental and social changes.

**BUS 111      Intro to Accounting**  
Presents double-entry accounting as related to service businesses. Provides an understanding of the accounting cycle, debits and credits, and financial statements for these businesses. Also introduces journalizing and posting to the general ledger.

**BUS 177      Payroll Accounting**  
Provides the fundamental skills needed to prepare a business payroll. Introduces payroll and personnel recordkeeping, calculation of pay, payroll journalizing, regulations covering Social Security, withholding, and unemployment. Prerequisites: BUS 111 or BUS 211 with a grade of “C” or better and CAS 170 with a grade of “C” or better.

**BUS 178      Customer Service Fundamentals**  
This course focuses on the skills necessary to deliver exceptional customer service in a retail or service business or organization. Topics will include developing communication skills and an attitude of service, enhancing customer relationships, dealing with difficult customers, active listening and problem solving to address customer needs, and strategies to remain self-motivated in the service industry.

**BUS 206      Management Fundamentals**  
A study of the basic management and organizational principles within business entities. Introduces the concepts of planning, organizing, leading, control, implementation of change, ethical behavior, and corporate culture. Provides opportunities for students to apply concepts to actual workplace scenarios and evaluate impact on global business activities.

**BUS 212      Principles of Accounting II**  
Continues the presentation of fundamental issues begun in BUS 211. Topics covered will include notes, accrued interest, bad debts, inventory, and plant assets, including depreciation. Also introduces accounting for partnerships, corporations, and long-term liabilities and investments. Prerequisite: BUS 211 with a grade of “C” or better.

**BUS 213Z      Principles of Managerial Accounting**  
Builds an understanding of the role of managerial accounting in a business, focusing on the development and use of information to evaluate production costs and operational performance in support of short – and longterm organizational decision-making. Prerequisites: BUS 211 with a grade of “C” or better.



**BUS 214 Business Communication**

This course covers concepts and skills necessary to communicate in today's constantly changing business environment. Students will learn how to create a wide range of business documents and oral presentations, addressing the needs of diverse audiences, and ethical implications of the communication process. Instructor approval may be obtained if a student has not met the WRI 121 prerequisite. Prerequisites: CAS 133 and WRI 121.

**BUS 218 Personal Finance**

Studies the role of the consumer in the economy and addresses problems of financing individual and family needs, including budgeting, banking relationships, charge accounts, installment buying, insurance, wills, real estate investing, and personal taxes. Recommended: Placement into MTH 070.

**BUS 223 Principles of Marketing**

Study and analysis of the elements of marketing and marketing strategy, stressing product development, policies, pricing strategies, promotion, distribution, international markets, and consumer behavior. Emphasis on the elements of the marketing mix and target markets for consumer and industrial markets.

**BUS 224 Human Resource Management**

Explores the management of human behavior in the workplace, including employment, employee development, performance appraisals, wage and salary administration, employee rights, discipline and due process, and labor-management relations. Prerequisite: WRI 121.

**BUS 226 Business Law I**

This course provides an introduction to the legal environment of business. Focus topics include regulation, court jurisdiction, forms of business organization, the obligations arising from business relationships and transactions, and the liabilities arising from business practices. Prerequisite: WRI 121.

**BUS 228 Computer Accounting Applications**

Covers use of integrated, computer-based accounting programs. Includes general ledger, accounts receivable, accounts payable, and payroll. Prerequisite: BUS 211 with a grade of "C" or better.

**BUS 230 Applied Knowledge and Skills for HR Professionals**

This course provides an opportunity to integrate content from student experience in HR topics with real-world scenarios in an HR environment. Best practices related to talent acquisition, employee performance and development, compensation and benefits, and retention will be reviewed, with a focus on the use of technology throughout these HR functions. HR's impact on organizational design and the promotion of a healthy, ethical workplace will be explored, and strategies that support both the organizational goals and the employees will be identified. Prerequisites, BUS 224 with a grade of "C" or better BUS 226 with a grade of "C" or better.

**BUS 233 Social Media Marketing**

This course explores principles and technologies related to Internet marketing as part of an organization's overall marketing strategy. Common social media tools such as Facebook, Twitter, YouTube, and others will be utilized as resources to connect with customers and improve business performance.

**BUS 249 Retailing**

Covers the selection of target markets and retail strategies, including store planning techniques used by retailers. Includes discussion of the changing retailing environment and the impact of government regulations.

**BUS 280 Coop Wk Exp: Business**

On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can learn various functional aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required prior to registering and the student must locate a job site for the course. Recommended: Completion of TEX 280 or co-enrollment during same term.

**BUS 299 Exam Prep: SHRM-CP**

This class will help prepare students for the SHRM Certified Professional (SHRM-CP) exam offered by the Society for Human Resource Management (SHRM). Students will review the critical competencies identified in the SHRM Body of Applied Skills and Knowledge (SHRM BASK). Students will complete practice exams throughout the class to prepare for the SHRM-CP exam. The SHRM-CP exam is offered at Prometric Test Centers during specified testing windows (see the SHRM website for details). Corequisite: BUS 230.

**Computer Applications**

**CAS 121 Beginning Keyboarding**

Students will learn to key alphabetic portion of the computer keyboard by touch, develop or refine basic keyboarding techniques, and increase speed and accuracy.

**CAS 122 Keyboarding for Speed & Accuracy**

Students will refine keyboarding technique, increase speed, and improve accuracy through corrective practice. Recommended: Ability to touch type (defined as using the correct key reaches and not looking at keys while typing) at a minimum rate of 20 wpm.

**CAS 133 Intro to Computing Skills**

Provides hands-on experience with Microsoft Office software fundamentals, including Word, PowerPoint, and Excel. Includes concepts of computer operations and literacy as well as insight into the broad impact of computers on today's society. Students should have a basic working knowledge of general computer use prior to enrollment. Recommended: WRI 095 and keyboarding by touch. Corequisite: CAS 133L.

**CAS 133L Intro to Computing Skills Lab**

Laboratory activities relating to CAS 133. Corequisite: CAS 133.

**CAS 170 Spreadsheets**

This in-depth, hands-on course will present beginning and intermediate spreadsheet concepts. Students will use Excel efficiently to design and create accurate professional worksheets for use in business. Recommended: CAS 133 and MTH 020 or MTH 070 or MTH 095 or MTH 111 or placement into MTH 070.

**CAS 247 Advanced Business Applications**

This course emphasizes the practical application of office software to create professional business documents and presentations. Focus is on establishing a professional tone in the office environment through skilled use of communication with customers and professional clients. Techniques for dealing with office conflict and handling multiple priorities are also reinforced. Recommended: Successful completion of CAS 170 and CAS 216. Prerequisite: CAS 245. Corequisite: CAS 247L.

**CAS 247L Advanced Business Applications Lab**

Laboratory activities relating to CAS 247. Corequisite: CAS 247.

**College Survival and Success**

**CGS 100 College Survival & Success**

The purpose of this course is to help the student become a more effective learner. This course will cover college terms and information, class choice, degree requirements, etc. Helps new or returning students make personal and social adjustments for college success.

**CGS 112 Career Exploration & Planning**

This course will help students explore career options utilizing employment and community resources plus online job search resources. Interviewing skills will be stressed with mock interviews.

**Chemistry**

**CHE 104 General Chemistry I**

Includes general principles of chemistry, including atomic structure, mole concept, chemical reactions stoichiometry, and gas laws. Prerequisites: MTH 095 or MTH 111 or placement into MTH 111 and WRI 121. Corequisite: CHE 104L.

**CHE 104L Gen Chem I Lab**

Laboratory activities relating to CHE 104. Corequisite: CHE 104.

**CHE 223 General Chemistry III (Preprofessional)**

Includes chemical kinetics, ionic equilibria, nuclear chemistry thermodynamics, and descriptive chemistry. Prerequisite: CHE 222. Corequisite: CHE 223L.

**CHE 223L Gen Chem III Lab**

Laboratory activities relating to CHE 223. Corequisite: CHE 223.

**Computer Information Systems**

**CIS 120 Embedded C**

C programming concepts for embedded platforms such as cross-compilation, storage classes, dynamic memory allocation, bitwise operations and masking. Embedded systems topics such as I/O ports, interrupts, timers, and hardware interfacing will also be explored. Prerequisite: CIS 116 with a grade of "C" or better. Corequisite: CIS 120L.

**CIS 120L Embedded C Lab**

Laboratory activities relating to CIS 120. Corequisite: CIS 120.

**CIS 131 Computer Architecture**

A continuation of CIS 130. Topics include main memory, cache, virtual memory, memory management, secondary storage, networks, operating system function, and pipelining. Prerequisite: CIS 130 with a grade of "C" or better.

**CIS 136 Object Oriented Programming with C++**

A study of object-oriented programming with C++. Beginning and intermediate concepts are covered including classes, objects, member functions, overloading, inheritance, polymorphism, templates, and virtual functions. This course prepares students with a strong C background for upper division coursework using C++. Prerequisites: CIS 126 with a grade of "C" or better. Corequisite: CIS 136L.

**CIS 136L Object Oriented Programming with C++ Lab**

Laboratory activities relating to CIS 136. Corequisite: CIS 136.

**CIS 142 Introduction to Programming C#**

An introduction to basic computer programming concepts in the C# programming language Topics include algorithms, simple data types, conditional and iterative structures, functions and procedures, and code documentation. Corequisite: CIS 142L.

**CIS 142L Introduction to Programming C# Lab**

Laboratory activities relating to CIS 142. Corequisite: CIS 142.

**CIS 181J CMS Website Creation Lab**

Laboratory activities related to CIS 181J. Corequisite: CIS 181J.

**CIS 181JL CMS Website Creation Lab**

Laboratory activities related to CIS 181J. Corequisite: CIS 181J.



CIS 196 Interm/Adv Web Development - HTML5

This course builds upon basic manual coding skills from CIS 195 and teaches how to develop web documents using new elements, attributes and selectors introduced in HTML5 (Hypertext Markup Language version 5) and CSS3 (Cascading Style Sheets version 3). Students learn to create web pages using the HTML5 structure elements, embed video and audio, and develop cross-browser user-input forms. Use CSS3 to position and format content, and to create effects such as transformations, transitions and animation. Students also learn basic JavaScript coding, and use HTML5 APIs (application programming interfaces) to extend the functionality of web pages with modern features such as geolocation, drag-and-drop, canvas and offline web applications. Corequisite: CIS 196L.

CIS 196L Interm/Adv Web Dev - HTML5 Lab

Laboratory activities relating to CIS 196. Corequisite: CIS 196.

CIS 206 Intro to Information Technology

This course introduces the key components found in modern business information systems, including both the major hardware components of today's network and primary categories of software applications used to support knowledge workers. Data resource management concepts are developed to provide the student with a high level picture of how the elements of an information system work together to solve problems and support business opportunities. Business ethics relating to the use of information systems is explored for local and global firms. Corequisite: CIS 206L.

CIS 206L Intro to Information Technology Lab

Laboratory activities relating to CIS 206. Corequisite: CIS 206.

CIS 243 E-Commerce

This foundational course in electronic commerce covers topics such as online selling and marketing, Business-to-Business (B2B) and Business-to-Consumer (B2C) activities, applying social networks, legal and tax issues, web servers, security, and third-party payment systems.

CIS 275 Database I

Reviews Structured Query Language (SQL). Focuses on relational database design, transaction management, distributed database systems, and data warehousing. Typical databases used in e-commerce and database administration are also presented. Corequisite: CIS 275L.

CIS 275L Database I Lab

Laboratory activities relating to CIS 275. Corequisite: CIS 275.

CIS 280 Coop Wk Exp: Computer Technology Engineer

On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can learn all aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required and the student must locate a job site for the course. Prerequisites: CIS 146 and CIS 152 with a grade of "C" or better.

CIS 281 Coop Wk Exp: Computer Technology Engineer 2

Internship, paid, or volunteer experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can experience aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required and the student must locate an employer or non-profit organization to fulfill the requirements for the course. Prerequisites: CIS 146 and CIS 152 with a grade of "C" or better.

CIS 284 Network Security Fundamentals

The course is an introduction to network security and overall security processes. Students will acquire working knowledge of network security principals and will design, implement and support security for networked devices & data. This course helps prepare students for taking CCNA Security Certification. Prerequisite: CIS 152 with a grade of "C" or better. Corequisite: CIS 284L.

CIS 284L Network Security Fundamentals Lab

Laboratory activities relating to CIS 284. Corequisite: CIS 284.

CIS 285 Cybersecurity Operations

The course focuses on how to monitor, detect and respond to cybersecurity threats. Students will study cryptography, host-based security analysis, security monitoring, computer forensics, attack methods and incident reporting and handling. This course helps prepare students for taking the CCNA Cyber Ops Certification. Prerequisites: CIS 146 and CIS 152 with a grade of "C" or better. Corequisite: CIS 285L.

CIS 285L Cybersecurity Operations Lab

Laboratory activities relating to CIS 285. Corequisite: CIS 285.

CIS 286 Ethical Hacking

Students will be taught the ethical use of various "white hat" cyber penetration testing tools and techniques consistent with ethical hacking training. Students will be exposed to various computer hacking skills and analyze various protective measures and their effectiveness. Prerequisite: CIS 153 with a grade of "C" or better. Corequisite: CIS 286L.

CIS 286L Ethical Hacking Lab

Laboratory activities relating to CIS 286. Corequisite: CIS 286.

CIS 297 Capstone

Requires students to apply responsive design and create a portfolio website project while using industry standard software and technical tools. Includes planning, production, project review, and peer critiques. Includes completion of an online portfolio that show cases coursework artifacts from all completed courses. Requires the development of a self-marketing statement emphasizing the student's career focus.

Criminal Justice

CJA 101 Intro to Criminal Justice & Human Services Careers

This course is designed to help students become aware of career and education options in human services and criminal justice. Students attending this course will become familiar with the educational requirements, lifestyle considerations, application processes, training, certification requirements, and career opportunities in the fields of criminal justice and human services. Students will solidify their academic plan and prepare a personal career plan based on their goals. There are no prerequisites for this course. Students are strongly encouraged to take this course concurrently or immediately after CGS 100.

CJA 113 Intro to Criminal Justice Systems - Corrections

Overview of the theories and current practices in corrections, crime prevention, offender services, treatment methods, and career opportunities.

CJA 212 Criminal Law

Covers the origin, structure and definitions of common law and statutory crimes, the Criminal Code of Oregon, and criminal court procedures. Students will participate in a mock trial. Recommended: CJA 111, CJA 112, and CJA 113. Prerequisites: WRI 121 with a grade of "C" or better.

CJA 217 Interviewing & Interrogation

Provides in-depth coverage of the theories and practices relevant to criminal justice interviewing and interrogation. Recommended: CJA 111, CJA 112, and CJA 113. Prerequisites: WRI 121 with a grade of "C" or better.

CJA 243 Narcotics & Dangerous Drugs

Provides an overview of the individual and social problems related to drug abuse and addiction. Topics covered include identification and treatment of drug abuse and addiction, the effects of various drugs of abuse, and an examination of the roles played by the criminal justice system with regard to drugs. Recommended: CJA 111, CJA 112, and CJA 113. Prerequisites: WRI 121 with a grade of "C" or better.

CJA 244 Introduction to Behavioral Health Crisis Services

Introduces students to the intersection of behavioral health services and criminal justice systems in urgent/emergent settings. Utilizes both a theoretical and practical base of knowledge allowing students to develop their skills during interventions with clients experiencing acute behavioral health symptoms. This course will extend their ability to assess the needs of the client and understand the resources available to them as they attempt to connect individuals to appropriate systems of care. The students will be provided basic information relative to mental health symptoms, substance abuse disorders, and other clusters of behavioral disturbances that can impact a client's functioning. The intent will be for them to understand the potential differences between each cluster of symptoms to assist with developing appropriate responses while interacting with their clients, as well as, engaging the appropriate systems of care. They will learn de-escalation skills, situation management, understanding of chronic mental illnesses, acute substance disorders, cognitive disorders, and developmental delays. They will gain an understanding of the crisis response system, civil commitment laws, and the role that law enforcement assists patients with behavioral health crisis situations. Recommended: CJA 111, CJA 112, and CJA 113. Prerequisites: WRI 121 with a grade of "C" or better.

CJA 280 Coop Wk Exp: Criminal Justice

On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can learn all aspects of the industry. Instructor permission is required and the student must locate a job site for the course.

COMPUTER ENGINEERING TECHNOLOGY

The Computer Engineering Technology AAS degree is designed for students who would like to acquire technical training in information system support and transfer to the baccalaureate degree program in computer engineering technology at Oregon Institute of Technology (OIT), with which KCC has an articulation agreement. Reverse transfer is part of this agreement. Students who graduate with this AAS degree will have most of their first two years of lower-division course work completed for OIT.

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Communications

- COM 111M Public Speaking**  
COM 111M emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations. Prerequisite: WRI 121.
- COM 111Z Public Speaking**  
COM 111Z emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations. Prerequisite: WRI 121.
- COM 218Z Interpersonal Communication**  
COM 218Z increases the knowledge and use of competent communication skills to better understand oneself, others, and the role of communication in interpersonal relationships. Prerequisite: WRI 095 or WRI 117 or WRI 121 or placement into WRI 121.
- Cosmetology**
- COS 102 Oregon Laws and Rules**  
In this course students will gain knowledge of the laws and rules pertaining to cosmetology established by the Oregon Health Agency. Students will assess the laws and rules as they apply to the field of cosmetology.
- COS 104 Salon Management**  
This course focuses on the understanding of the salon industry, basic business building techniques, professional relationships, salon ownership and salon retailing.
- COS 105 Cosmetology Science**  
Students will gain a basic knowledge of structures and functions of the skin and muscles of the hand and feet, and gain an understanding of chemical elements, bonds, pH and cosmetics used in cosmetology. Students will study the principles of electricity as used in the field of cosmetology.
- COS 111 Hair Design Theory I**  
This class focuses on the beginning background information necessary for Cosmetology students to prepare for Cosmetology clinic/lab sessions and to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include hair sculpture, associated tools and their usage and the four basic design forms to complete a woman's hair sculpture, and a men's planer combination form sculpture. Corequisite: COS 111L.
- COS 111L Hair Design Theory I Lab**  
Pre-clinic lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include hair design, shampooing, rinsing and conditioning, and haircutting for men and women. Corequisite: COS 111.

- COS 112A Hair Design Theory II**  
This class focuses on the beginning background information necessary for Cosmetology students to prepare for Cosmetology clinic/lab sessions and to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include the properties of the scalp, and hair, and both wet and thermal styling. Prerequisite: COS 111. Corequisite: COS 112L.
- COS 112B Hair Design Theory II for Barbers**  
This class focuses on the beginning background information necessary for Cosmetology students to prepare for Cosmetology (Barbering) clinic/lab sessions and to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include the properties of the scalp, and hair, and thermal styling. Prerequisite: COS 111. Corequisite: COS 112L.
- COS 112L Hair Design Theory II Lab**  
Pre-Clinic lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include hair design, shampooing, rinsing and conditioning, haircutting, and hairstyling. Prerequisite: COS 111. Corequisite: COS 112A or COS 112B.
- COS 113 Hair Design Theory III**  
This class focuses on the beginning background information necessary for Cosmetology students to prepare for Cosmetology clinic/lab sessions and to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include basic and advanced perm wrapping patterns and relaxing techniques. Prerequisite: COS 112A. Corequisite: COS 113L.
- COS 113L Hair Design Theory III Lab**  
Pre-Clinic lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include hair design, shampooing, rinsing and conditioning, haircutting, hairstyling, and chemical texture services. Prerequisite: COS 112A. Corequisite: COS 113.
- COS 114 Hair Design Theory IV**  
This class focuses on the beginning background information necessary for Cosmetology students to prepare for Cosmetology clinic/lab sessions and to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include basic all-over color design and color weaving services. Prerequisite: COS 113. Corequisite: COS 114L.
- COS 114L Hair Design Theory IV Lab**  
Pre-Clinic lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include hair design, shampooing, rinsing and conditioning, haircutting, hairstyling, chemical texture services and hair coloring. Prerequisite: COS 113. Corequisite: COS 114.

- COS 115C Hair Design Clinical**  
Clinic-level lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include, client relations, infection control, hair design, women's hair styling, shampooing, rinsing and conditioning, haircutting, and hairstyling. Prerequisite: COS 112A.
- COS 116C Hair Design Clinical**  
This course is a continuation of COS 115C. Clinic-level lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include client relations, infection control, hair design, women's hair styling, shampooing, rinsing and conditioning, haircutting, hairstyling, chemical texture services, and specialty permanent waves. Prerequisite: COS 113, COS 113L.
- COS 117C Hair Design Clinical**  
This course is a continuation of COS 115C and COS 116C. Clinic-level lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include, client relations, infection control, hair design, women's hair styling, shampooing, rinsing and conditioning, haircutting, hairstyling, chemical texture services, specialty permanent waves, and hair coloring. Prerequisite: COS 114.
- COS 121 Esthetics Theory**  
This course focuses on the beginning background information necessary for Esthetics students to prepare for participation in clinic/lab sessions and to meet requirements set forth by the Oregon Board of Cosmetology. Areas addressed include client relations, infection control, physiology and histology of the skin, skin care products, ingredients and selection, skin analysis, basic facials, facial massage, temporary hair removal products and procedures, microdermabrasion, and the world of makeup. Corequisite: COS 121L.
- COS 121L Esthetics Theory Lab**  
These pre-clinic sessions prepare the students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas addressed include client relations, infection control, skin analysis, facials, massage, makeup, temporary hair removal, microdermabrasion, and makeup application. Corequisite: COS 121.
- COS 122C Esthetics Clinic II**  
Clinic-level lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include client relations, infection control, skin analysis, facials, massage, makeup, temporary hair removal, and makeup application. Prerequisite: COS 121.

- COS 131 Nail Tech Theory**  
This course focuses on the beginning background information necessary for Nail Technology students to prepare for participation in clinic/lab sessions and to meet requirements set forth by the Oregon Board of Cosmetology. Areas addressed include nail structure and growth, manicuring, pedicuring, nail tips, wraps and nail art. Corequisite: COS 131L.
- COS 131L Nail Tech Theory Lab**  
These pre-clinic sessions prepare the students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas addressed include client relations, infection control, manicures, pedicures, nail enhancements and nail art. Corequisite: COS 131.
- COS 132C Nail Tech Clinic II**  
Clinic-level lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include client relations, infection control, manicures, pedicures, nail enhancements and nail art. Prerequisite: COS 131.
- COS 141 Barbering Theory**  
This class focuses on understanding the history of barbering, shaving and beard design, barbering tools and equipment, men's cutting and styling, and theory of basic skin care. Prerequisite: COS 111. Corequisite: COS 141L.
- COS 141L Barbering Theory Lab**  
Pre-Clinic lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include analysis of the client's hair, scalp and skin, basic skin care services, and performing basic procedures of sculpture, design, facial hair design, shampoo and conditioning. Prerequisite: COS 111. Corequisite: COS 141.
- COS 142C Barbering Clinic II**  
Clinic-level lab sessions prepare students to meet the requirements set forth by the Oregon Board of Cosmetology. Areas to be addressed include, client relations, infection control, barbering sculpture, hair design, shaving, facial hair design, shampoo and conditioning treatments. Prerequisites: COS 141.

STYLE YOUR FUTURE

Get hands-on training in the Klamath Community College (KCC) Cosmetology program that will prepare you make the world a more beautiful place.

Connect with a Student Success Advisor to start your journey into Cosmetology.

541-882-3521  
www.klamathcc.edu/cosmetology



Scan to learn more

Crop Soil Science

CSS 205 Soil Ecology

This course will focus on developing an understanding of how soils can be managed and used for our benefit. Soils will be addressed from the standpoint of traditional, sustainable, and organic agriculture. The role of soils in the management of forests, rangelands, wetlands, and other wildlands will be considered. Weekly hands-on laboratory activities highlighting topics in the course serve to ground the principles of soil science in active learning. Recommended: CHE 104. Prerequisite: MTH 111.

Diesel Technology

DST 135 Engine Theory & Service - Diesel

Basic theory and operating characteristics of heavy-duty truck diesel engines and related systems required for successful completion of ASE areas T2 Medium/Heavy Truck: Diesel Engine Repair. Lubrication and cooling systems, sealing materials, high performance theory, and diesel engine systems diagnosis.

DST 142 Preventative Maintenance

Instruction in the care and servicing of heavy-duty diesel equipment for the purpose of maintaining equipment in satisfactory operating condition by providing for systematic inspection, detection, and correction of incipient failures either before they occur or before they develop into major defects.

Early Childhood Education

ECE 101 Child, Family, Community

The study of influences on children and families which impact child and family behaviors, values, attitudes, beliefs, and morals. Topics include parenting patterns, cultural, religious and socioeconomic influences, peer, school, media impacts, community ecology, and public policy.

ECE 103 Assessment & Evaluation

Students will develop knowledge and skills in observing and assessing growth and behavior of children and the adult roles in supporting children's development. The student will examine the importance of developmentally appropriate practices, DAP, assessment and documentation. Students will learn and apply observation techniques. Students are required to spend additional time outside of class observing children in individual and group settings. Prerequisite: PSY 235.

ECE 160 Early Childhood Practicum: Seminar

Provides supervised teaching of students in a school or community setting, applying what has been learned through coursework and other educational experiences. Departmental permission required. Prerequisite: All students must successfully pass a criminal background check and vaccination verification. Prior study in ECE. Corequisite: ECE 162.

ECE 162 Early Childhood Practicum

Provides supervised teaching of students in a school or community setting, applying what has been learned through coursework and other educational experiences. Departmental permission required. Prerequisite: All students must successfully pass a criminal background check and vaccination verification. Prior study in ECE.

ECE 249 Inclusion of Children w/Special Needs

Focuses on early intervention and early childhood special education including disability characteristics, environmental and curricular adaptation, instructional strategies, and legislative mandates. Explores ways teachers can facilitate the inclusion of young children with diverse and special needs in a child care or classroom setting. Includes the role of families in early intervention services.

ECE 275 Anti-Bias Curriculum

Explore the role of the adult in helping children accept and appreciate diversity and uphold values of equity, inclusion, and social justice.

ECE 280 Coop Wk Exp: Early Childhood Education

On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can learn all aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required and the student must locate a job site for the course. All students must successfully pass a criminal background check.

Economics

ECO 201 Principles of Economics: Microeconomics

This course covers principles of rational choice, price determination, market resource allocation, competition, production, market systems, and the role of government in the economy. It also covers individual units in the economy. Recommended: Successful completion of MTH 070 or above and WRI 121 placement.

Education

EDU 113 Instructional Strategies in Language Arts & Reading

Covers various instructional methodologies, practice in theme unit planning, integration of content areas, focus on authors in children's literature, practice and instruction in cooperative groups.

EDU 200 Intro to Education

Examines daily experiences in the schools. Includes discussing personal responses to school situations, students, personnel, the roles of public schools in American society and financial, legal, and administrative implications on instruction.

EDU 251 Overview of the Exceptional Learner

Introduction to diverse conditions of students with special needs in public schools. Identifies and defines the following areas of exception ability: learning disabilities, emotional and behavior disorders, intellectual disabilities, severe and multiple disabilities, autism, health impairments, physical disabilities, communication disorders, vision impairments, hearing loss, traumatic brain injury, and talented and gifted.

EDU 252 Classroom Management

Introduces several approaches to proactive classroom management. Strategies for setting up an appropriate room environment and establishing procedures, systems, and rules will be introduced and practiced. Behavior management will also be introduced and practiced. Recommended: Prior study in EDU.

EDU 280 Coop Wk Exp: Education

On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required. All students must successfully pass a criminal background check.

Emergency Medical Technician

EMT 152 Emergency Medical Technician Part 2

This is course is the second half of the course which prepares students for the National Registry certification and licensure in Oregon as an Emergency Medical Technician. This course is designed to develop a student's skills in the recognition of symptoms of illness, injuries, and the proper procedures of emergency care. NOTE: Successful course completion does not guarantee National Registry certification or licensure in the State of Oregon. Prerequisite: Permission of the Course Director is required to continue. EMT 151 and EMT 151L with a grade of "C" or better. Corequisite: EMT 152L

EMT 152L Emergency Medical Technician Part 2 Lab

Laboratory activities relating to EMT 152. Corequisite: EMT 152.

EMT 177 Emergency Response Communication/Documentation

Documentation of the elements of patient assessment, care, and transport; communication systems; radio types; reports; codes; and principles of therapeutic communication.

English

ENG 106Z Introduction to Poetry

The study of poetry invites us to delve into the biggest questions about life and culture alongside the seemingly smallest issues of words and sounds. English 106Z provides opportunities for the appreciation of poetry, including deeper awareness of craft and insight into how reading poetry can lead to self-enrichment. Students read a variety of types of poetry and poetic forms, from diverse perspectives and eras, and develop their skills in discussion, literary analysis, and critical thinking. Recommended: 100-Level reading and WRI121.

ENG 213 Latin American Literature

Studies various Latin American literatures, such as works of Hispanic, indigenous, and Afro-Caribbean origin. All readings are in English. Recommended: 100-level reading. Prerequisite: WRI 121.

Environmental Science

ENV 170 Environmental Science

Examines major environmental questions facing the world today. Includes population growth, matter and energy resources, ecosystems, pollution, and environment and society. Explores a broad range of environmental issues including sustainability, the interconnection of the economy with ecosystem, short-term versus long-term gains, and the trade-offs in balancing problems and solutions. Recommended: Placement into WRI 095. Corequisite: ENV 170L.

ENV 170L Environmental Science Lab

Laboratory activities relating to ENV 170. Corequisite: ENV 170.

Emergency Response and Operations

ERO 110 Emergency Vehicle Operator (EVOC)

This course introduces safe vehicle operation by stressing theory and principles of defensive driving in both emergency and non-emergency situations. Oregon motor vehicle laws pertinent to the operation of emergency vehicles is included in the course. This class differentiates between emergency driving and non-emergency driving. Student will learn to identify safety considerations for operating emergency vehicles and will be able to demonstrate knowledge and skills in safely operating and driving an emergency vehicle. Prerequisite: 18 years of age with a valid driver's license and insurable.

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If you excel under pressure and in crises, KCC's Emergency Response Operations (ERO) program will equip you with essential public safety skills.

GET A DEGREE OR CERTIFICATE IN  
EMERGENCY RESPONSE AND  
OPERATIONS



**ERO 115      Crisis Intervention**  
An introduction to crisis response for first responders of an emergency or significant incident or event. This course will assist those who are assisting people in the immediate aftermath of a disaster or other type of tragedy. Students will learn how to reduce initial stress, gather information, debrief, and produce an environment of connectedness to empower communities to heal in the recovery process.

**ERO 169      Rescue Practices**  
Provides technical information on various rescue situation. Covers equipment, tools, trench rescue, shoring, rope and knots, warehouse searches, outdoor searches, rescue in situations involving elevation differences, patient packaging, water and ice rescue, and vehicle extrication. Prerequisite: currently enrolled in EMT 151, EMT 151 with a grade of "C" or better or Oregon EMT licensure.

**Forestry**

**FOR 210      Wildland Fire Science**  
A study of hazardous fuel management and treatment practices. Incorporates current fuel measurement and analysis techniques, fire behavior prediction models and hazardous wildland fuel mitigation methods.

**FOR 240      Wildlife Ecology**  
Explores wildlife ecology and biodiversity in context of forest and range management. Focuses on relationship between wildlife and forest and range ecosystems, and examines the role of forest and range management in wildlife habitat management. Prerequisite: ENV 241. Corequisite: FOR 240L.

**FOR 240L      Wildlife Ecology Lab**  
Laboratory activities relating to FOR 240. Corequisite FOR 240.

**Fire Science (Structural)**

**FRP 112      Fire Fighter II**  
This advanced level fire training program prepares the student for the skill competencies for the Firefighter II certification process. The structure firefighter training includes Level 5 Advanced Firefighter Training. Prerequisite: FRP 111.

**FRP 121      Fire Behavior and Combustion**  
This course explores the theories and fundamentals of how and why fires start, spread, and are controlled. Instruction in fire behavior and control, matter and energy, units of measurement, flammable liquids, toxic gases, chemicals, radioactive hazards, and firefighting techniques.

**FRP 232      Building Construction for Fire Protection**  
Covers building classification and structural features, types of material used in buildings, flame spread and fire retardants, and representative fire loads.

**General Agriculture**

**GAG 280      Coop Wk Exp: General Agriculture**  
On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can learn all aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required and the student must locate a job site for the course.

**Geography**

**GEO 107      Human Cultural Geography II**  
Introduces the study of human cultural geography with a focus on developing nations. Regional topics include the Middle East, Asia, Africa, and the Pacific Islands. Recommended: WRI 121 placement.

**Health Studies**

**HEA 100      Nursing Assistant I**  
This course provides the foundation for student success with state certification testing, workforce training aimed at entry-level positions. Students will practice learned techniques in personal care, dining, emergency care, rehabilitation and interpersonal skills with emphasis on safety, infection control, legal and ethical considerations while in the acute and sub-acute facilities. Successful course completion does not guarantee state certification. Corequisites: HEA 100L and HEA 100C.

**HEA 100C      Nursing Assistant Clinical**  
This course provides the foundation for student success with state certification testing, workforce training aimed at entry-level positions. Students will practice learned techniques in personal care, dining, emergency care, rehabilitation and interpersonal skills with emphasis on safety, infection control, legal and ethical considerations while in the acute and sub-acute facilities. Successful course completion does not guarantee state certification. Corequisites: HEA 100 and HEA 100L.

**HEA 125      First Aid & Industrial Safety**  
Presents an overview of industrial safety regulations, accident prevention, ergonomics, hazardous materials, first aid, and adult CPR. Successful students will receive a First Aid and Adult CPR card.

**HEA 252      First Aid Basics & Beyond**  
Explores and demonstrates basic first aid and advance first aid for remote areas. Includes first aid and CPR certification.

100% ONLINE

(OR A COMBINATION OF ONLINE & CLASSROOM)

HEALTH INFORMATION MANAGEMENT

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Health Information Management

**HIM 104      Intro to Health Data and Content I**  
This course provides an overview of healthcare delivery systems and health information fields. Includes origin and uses of health records, admitting functions, filing and numbering systems, interdepartmental communication, and computation of basic census data, micrograph concepts, and electronic data interchange. Introduction to application of healthcare procedures via a web-based virtual lab.

**HIM 105      Legal & Ethical Aspects of Healthcare**  
Introduces the legal basis for medical practice, confidentiality, HIPAA, voluntary and involuntary release of medical information, professional liability, consents for treatment and other procedures, and medical-ethical issues.

**HIM 180      Coop Wk Exp: HIM Prof Prac Exp I**  
Provides practicum experience in health information management functions utilizing medical record technologies in a classroom simulation and/or under the direct supervision of facility personnel in local health care facilities.

**HIM 205      Health Info and Data Governance**  
This course applies qualitative and quantitative analysis of the health record in all settings that are based on accreditation, standards, licensing, and certifying agencies. Students will learn the core enterprise information management (EIM) domains and associated practice for health information and data governance. Prerequisite HIM 204

**HIM 210      Disease Process**  
This course introduces the student to concepts related to human diseases. The most common diseases and disorders of each body system are presented along with a review of the anatomy and physiology pertinent to the content. Discussion will include cause, pathological features, physical signs and symptoms, diagnostic procedures, and current preferred treatment. Additionally, the effects of aging on the system and the relationship of aging to diseases are presented. Recommended: MDA 101 and MDA 102. Prerequisites: MDA 128 or BIO 231.

**HIM 231      CPT Coding**  
This course expands on the understanding of coding and classification systems, particularly CPT and HCPCS, in order to assign valid procedure codes. Students will analyze current regulations and established guidelines in clinical classification systems; determine the procedures that require; interpret conventions, formats, instructional notations, tables, and definitions of the classification system and/or nomenclature to select diagnoses, conditions, problems or other reasons for the encounter that require coding, and determine the sequence of diagnoses and procedures.

**HIM 234      Advanced Medical Coding**  
This course promotes the advanced understanding of coding and classification systems, particularly ICD-10-CM, and CPT and HCPCS, and introduction and application of ICD-10-PCS, in order to assign valid diagnostic and procedure codes. Diagnostic and procedural coding continues at an advanced level of hands-on application and classification with considerable time spent abstracting, coding, and indexing diagnostic and procedure codes. Prerequisites: HIM 131 and HIM 231.

**HIM 280      Coop Wk Exp: HIM Prof Prac II**  
Provides practicum experience in health information management functions utilizing medical record technologies in a classroom simulation and/or under the direct supervision of facility personnel in local health care facilities.

**HIM 291      Exam Review: RHIT**  
Confidently prepare for the RHIT exam with Registered Health Information Technician (RHIT) Exam Preparation textbook. The exam experience is a simulation in the textbook with 850 multiple-choice questions, including mock exams and assisting with completing the exam application. Prerequisite: Completion of the HIM AAS degree is required.

**HIM 292      Exam Prep: EHR**  
This class will help prepare students for the examination from the National Healthcareer Association (NHA). Students will review the core curriculum identified by the National Healthcareer Association (NHA) for successful application in Electronic Health Record Specialists. (EHRS) Tutorials will be used throughout the class to prepare students to complete the practice assessment exam administered to familiarize students with the types of questions and formats encountered on the exams. Completing the EHR Certificate, the HIM AAS degree or paperwork for the petition to graduate must be completed before the student can complete the exam(s). The exam will be administered at KCC. The fee per tutorial and one exam attempt is included in the course fees. Recommended: Completion of the HIM AAS, Electronic Health Record Specialist certificate, or the Medical Administrative Assistant Career Pathway Certificate.

**HIM 293      Exam Review: CBS**  
This review will help prepare students for the national examination in coding and billing. Students will review core curriculum as essential domains of learning. Practice exams will be administered to familiarize students with the types of questions and formats encountered on these exams. Completion of the HIM AAS degree is required.

Health & Physical Education

**HPE 207      Stress Management**  
Students learn the basis for various components of stress and how to recognize and cope appropriately with physical, occupational, social, school, and environmental stressors. The course emphasizes achieving lifestyle balance and shows students how to develop and practice physiologic relaxation techniques and stress reduction methods.

**HPE 225      Nutrition**  
A study of food and nutrition, including how they relate to health and disease. Students are exposed to basic nutrition including nutrient needs, how nutrients function in the body, energy balance, and diet planning for various medical conditions. Provides an in-depth look at current topics and the American diet.

**HPE 260      Anatomical Kinesiology**  
This is an introduction to the science of human movement (kinesiology). The class explores the anatomical elements such as muscle action and joint structure and function involved in the gross motor movement. Major emphasis will be on structural anatomy, primary movers of each joint, and muscle utilization for specific sport actions. Prerequisites: BIO 231 and WRI 095 or WRI 121 or placement into WRI 095.

**HPE 295      Health & Fitness for Life**  
Explores the role of wellness, physical fitness, stress, nutrition, and cardiovascular health in promoting an individual's health and well-being. Fitness testing and fitness lab are included.

History

**HST 103      Western Civilization III: 1800 to Present**  
Studies Europe in the 19th and 20th centuries. Topics include the Industrial Revolution, nationalism, socialism, the two world wars, the Russian Revolution, Nazism, and globalization. HST 101, 102, and 103 may be taken out of sequence. Recommended: WRI 121 placement.

**HST 201M      United States History I**  
Surveys North American history from the Age of Exploration through the Civil War. Studies include political, social, and economic trends and events. Recommended: Placement scores at WRI 121.

**HST 203M      United States History II**  
Surveys North American history from Reconstruction through the present. Studies include political, social, and economic trends and events. Recommended: Placement scores at WRI 121.

Medical

**MDA 101      Medical Terminology I**  
Covers medical terminology prefixes, suffixes, word roots, and abbreviations by body system.

**MDA 102      Medical Terminology II**  
Covers medical terminology prefixes, suffixes, word roots, and abbreviations by body system. Prerequisite: MDA 101 with a grade of "C" or better.

**MDA 129      Anatomy & Physiology for Health Science Professional II**  
Provides the conceptual framework, factual knowledge, and analytical skills needed to pursue a career in Allied Health. Students will examine the endocrine system; blood: the heart and heart disease; including blood vessels and circulation; lymphatic system and tissue; respiratory system; digestive system; metabolism, nutrition and body temperature; body fluids; urinary system; male and female reproductive system; development and birth; and heredity and heredity disease. Note: This course will not transfer as a science course. Recommended: MDA 102. Prerequisite: MDA 128.

Manufacturing Engineering Technology

**MET 242      CAD for Mechanical Design II**  
Instruction and practice of AutoCAD (mechanical) software in 3D environment. Utilize 3D software, practice to develop into an apprentice level computer aided design (CAD) technician. Prerequisite: MET 241. Corequisite: MET242L.

**MET 242L      CAD for Mechanical Design II Lab**  
Laboratory activities related to MET 242. Corequisite: MET 242.

**MET 243      CAD for Mechanical Design III**  
Instruction and practice of SOLIDWORKS® software in solid modeling design environment. Utilize 3D solid modeling practice to develop into an apprentice level computer aided design (CAD) technician. Prerequisite: MET 242. Corequisite: MET243L.

**MET 243L      CAD for Mechanical Design III Lab**  
Laboratory activities related to MET 243. Corequisite: MET 243.



Manufacturing

**MFG 221      Manufacturing Process II - CNC**  
An introductory course in metal removal processes emphasizing drilling, milling, and lathe processes. Will include tool grinding. Emphasis on computer numerically controlled (CNC) concept and machining. Prerequisite: MFG 120. Corequisite: MFG 221L.

**MFG 221L      Manufacturing Process II - CNC Lab**  
Laboratory activities related to MFG 221. Corequisite: MFG 221.

**MFG 222      Manufacturing Process III - CNC**  
MFG 222 is a follow-up course in metal removal processes - emphasis on conversational NC and CNC drilling, milling, and lathe processes. Will include tool grinding. Course stress will be on CNC (conversational) process, planning, concepts and machining. All lab practice will be offline on simulators and online using conversational NC and CNC machines. Prerequisite: MFG 221. Corequisite: MFG 222L.

**MFG 222L      Manufacturing Process III - CNC Lab**  
Laboratory activities related to MFG 222. Corequisite: MFG 222.

**MFG 280      Coop Wk Exp: Manufacturing Engineering**  
On-the-job (paid or volunteer) experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required.

Multimedia

**MMT 239      Digital Drawing/Adobe Illustrator**  
Introduces the basics of digital illustration working with both vector graphics and photo editing. Applies tablet technology and screen-based drawing to create digitized graphic elements such as image header, sidebar, banner, logo, and other elements commonly used design. Uses various software platforms, but focuses mainly on Adobe Digital Illustrator. Recommended: ART 131. Corequisite: MMT 239L.

**MMT 239L      Digital Draw/Adobe Illustrator Lab**  
Laboratory activities related to MMT 239. Corequisite: MMT 239.

**MMT 240      Digital Photography & Photoshop**  
Students will learn the basics of digital photography, composition, and manipulation of images while using Adobe Photoshop. Investigate competent compact digital and DSLR camera handling techniques. The course emphasizes exposure control, digital management, image editing, printing and presentation. Examines important photographic themes, lighting, and composition. Use Photoshop in acquiring, preparing, manipulating, storing, outputting and/or uploading and displaying digital images. Requires access to a camera with manual exposure controls, DSLR (digital single-lens-reflex) cameras are preferred. Corequisite: MMT 240L.

**MMT 240L      Digital Photography & Photoshop Lab**  
Laboratory activities relating to MMT 240. Corequisite: MMT 240.

Mathematics

**MTH 010      Basic Math**  
Whole number and integer arithmetic. Develops skills with mathematical operations using whole numbers, integers, fractions, and decimals. Recommended: If available, students enrolling in this class are strongly encouraged to co-enroll in a section of CGS 010.

**MTH 020      Prealgebra**  
This course will cover ratios, rates, proportion, percent, measurement, and introduces the concepts of basic statistics, charts, and graphs. In addition the basic concepts of elementary algebra will be covered. Scientific calculator with fraction capabilities required. Prerequisite: MTH 010 or placement into MTH 020.

**MTH 052      Math Review for Higher Placement**  
Math Review for Higher Placement is an individually paced course in that students in the same class are working on different skills at the same time. Students will be working on mathematics skills assigned by the instructor ranging from Math 010 up to Math 111Z. Assignment of coursework will be based upon skills assessments and program goals. The course is designed for students who need to take several math courses before entering a program and students who have seen the material before and need to "fill in the gaps." At the end of the course each student will be provided a math placement determined by their course performance. Recommended: Recent placement into MTH 010, MTH 020, or MTH 070 with remaining access to MyMathTest placement test. Prerequisites: Placement into MTH 010, MTH 020, or MTH 070.

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A Mathematics Emphasis is ideal for students interested in general mathematics or STEM careers, teaching valuable problem-solving skills. It prepares students for fields like engineering, IT, financial planning, data management, business, and education.



**MTH 070      Elementary Algebra**  
The following topics are covered: Fundamental properties of algebra, solutions of linear and quadratic equations, order of operations, rules of exponents, arithmetic operations of polynomials, factoring of polynomials, the two-coordinate graphing plane, point plotting, graphing of linear equations, and basic geometric and statistical formulas and problem solving. Concepts will be introduced numerically, graphically, and symbolically. Results will be communicated in oral and written form. Scientific calculator with fraction capabilities required. Prerequisite: MTH 020 with a grade of "C" or better or placement into MTH 070.

**MTH 095      Intermediate Algebra**  
The following topics are covered: Fundamentals of algebra, factoring of polynomials, solving quadratics using various techniques, simplifying of rational expressions, solving rational equations, simplifying of radical expressions, solving radical equations, definition of functions, evaluation of functions, and graphing of quadratics. Word problems will be included throughout the course. Concepts will be introduced numerically, graphically, and symbolically. Results will be communicated in oral and written form. Scientific calculator with fraction capabilities required. Prerequisite: MTH 070 with a grade of "C" or better or placement into MTH 095.

**MTH 104      Math in Society Plus**  
This is a math course that provides additional instruction and support for MTH 105 through math and study skills building and through just in time remediation necessary to be successful in MTH 105. Students who place into MTH 095 or MTH 105 or MTH 111 are not required to take MTH 104, but may still elect to take MTH 104. Students who are taking MTH 105 and have earned a grade of "C" or better in MTH 020 or who have been placed into MTH 070 take this class as a corequisite to MTH 105Z. Corequisite: MTH 105Z.

**MTH 105M      Math in Society**  
An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology. Prerequisites: MTH 020 with a grade of "C" or better and with co-current registration into MTH 104, or placement into MTH 070 with co-current registration into MTH 104, or placement into MTH 095 or MTH 111.



**MTH 105Z      Math in Society**  
An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology. Prerequisite: Completion of MTH 020 with a grade of "C" or better and enroll in MTH104 at the same time; or, placement into MTH 070 and enroll in MTH104 at the same time; or, completion of MTH 070 with a grade of "C" or better; or, placement into MTH 095 or MTH 111.

**MTH 111Z      Precalculus I: Functions**  
A course primarily designed for students preparing for trigonometry or calculus. This course focuses on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. Prerequisite: MTH 095 with a grade of "C" or better or placement into MTH 111.

**MTH 112Z      Precalculus II: Trigonometry**  
A course primarily designed for students preparing for calculus and related disciplines. This course explores trigonometric functions and their applications as well as the language and measurement of angles, triangles, circles, and vectors. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. Prerequisite: MTH 111 with a grade of "C" or better.

**MTH 213      Foundations of Elementary Math III**  
This course is for prospective K-8 teachers. Emphasizes informal geometry, transformational geometry, and measurement systems. Prerequisite: MTH 095 with a grade of "C" or better or MTH 111 with a grade of "C" or better or placement into MTH 111.

**MTH 244      Statistics II**  
Covers inferential statistics with an emphasis on applications. Topics include estimation of proportions and means for a population, inferences from chi-square distributions, one way and two way analysis of variance (ANOVA), the F distribution, time series analysis, regression and correlation, and hypothesis testing. Working knowledge of Excel required. Prerequisite: MTH 243 with a grade of "C" or better.

**MTH 251      Calculus I**  
Computation techniques for calculating the limit of a function. Computational techniques for calculating and applications of the derivative of a function. Prerequisite: MTH 112 with a grade of "C" or better.

**MTH 252      Calculus II**  
Computational techniques for and applications of definite and indefinite integrals. Prerequisite: MTH 251 with a grade of "C" or better.

**MTH 253      Calculus III**  
Includes topics and applications in infinite sequences and series (including Taylor series), an introduction to differential equations and modeling, and parametric equations and polar coordinates. Prerequisite: Successful completion of MTH 252 with a grade of C or better.

**MTH 254      Vector Calculus**  
Vectors, differentiation, and integration of vector-valued functions. Partial derivatives, multiple integrals, and their applications. Prerequisite: MTH 252 with a grade of "C" or better.

**Music**  
**MUS 206M      History of Rock Music**  
Examines rock music's roots and development, its innovators and significant events through a cultural, as well as musical, perspective. Prerequisite: WRI 121.

**Nursing**  
**NSG 112      Health & Illness Concepts II (didactic)**  
This course builds upon health and illness concepts across the lifespan. Concepts covered are related to community health, family, sexuality, reproduction, health, wellness, illness, development, oxygenation, intracranial regulation, mood, stress and coping, behaviors, immunity, inflammation, grief and loss and supervising care within scope. Corequisite: NSG 112C.

**NSG 112C      Health & Illness Concepts II (application)**  
The focus of this course is to provide safe, evidence-based nursing care for patients with chronic condition, across the lifespan in a variety of settings. This course builds upon curricular concepts. This course is a combination of clinical experience and simulation laboratory. Corequisite: NSG 112.

**NSG 213      Professional Concepts (didactic)**  
This course provides opportunities to incorporate informatics, to apply evidence-based practice, and to explore quality improvement opportunities using the National Patient Safety Goals. Prerequisite: NSG 211 and NSG 211C. Corequisite: NSG 213C.

**NSG 213C      Prof Concepts (appl) - Capstone Exp**  
Capstone Practicum Experience (CPE): This course is the culmination of the care and management of the holistic, diverse, complex and/or unstable client. Emphasis is on the refinement of clinical decision making skills, achievement of clinical competence, and demonstration of professional nursing practice. Corequisite: NSG 213.

**Physical Education**  
**PED 181A      Beginning Weight Training**  
Stresses the proper techniques of weight lifting and the development of muscular strength and endurance. Individual programs developed which allow for body and strength differences and safety in lifting.

**PED 181B      Intermediate Weight Training**  
A total body conditioning course that emphasizes intense free weight exercises set to music and incorporates core conditioning. Featured equipment includes dumbbells, body bar, resistance bands, and body weight. Focus placed on proper techniques of weight lifting and the development of muscular strength and endurance. Individual programs developed which allow for body and strength differences and safety in lifting.

**PED 182C      Beginning Fitness & Walking**  
Beginning level, self-paced walking programs and a variety of conditioning exercises for specific body areas. Provides instruction for integrating walking into a lifetime fitness program.

**PED 185Y      Yoga/Pilates Fusion**  
Introduces the values and skills of Pilates and yoga. Includes basic Pilates and yoga philosophy and exercises for increased flexibility, improved health, relaxation, and reduced stress in daily living.

**PED 186D      Ballroom Dance I**  
Introduces the fundamental principles of ballroom dance. Places emphasis on proper partnering, style, and phrasing. Focuses on elementary steps of foxtrot, waltz, swing, cha-cha, and rumba.

**Philosophy**  
**PHL 204M      Philosophy of Religion**  
Explores various philosophical perspectives on religion and issues traditionally taken up by religion, including the existence and attributes of God, faith, reason and mysticism, religion and science, religion and morality, religious language, and life after death. Prerequisite: WRI 121.

**BALLROOM DANCING FOR A PE CREDIT!**

**Mondays:** East Coast Swing & West Coast Swing 7:00 pm - 8:15 pm  
**Wednesdays:** Salsa & Swing Meets Tango 7:00 pm - 8:15 pm  
**541-892-0614** or email: **pascual.manuela@gmail.com**

Physics

**PHY 101 Fundamentals of Physics I**  
Laboratory science course designed for non-science majors. First term of a three-term series. A conceptual study of physics. Includes introduction to the scientific method, study of motion, mechanics, vectors, energy, simple machines, satellite motion, and atomic structure. Prerequisites: MTH 070 or MTH 095 or MTH 111 or placement into MTH 070 or MTH 095 or MTH 111 and WRI 095 or WRI 121 or placement into WRI 121. Corequisite: PHY 101L.

**PHY 101L Fundamentals of Physics I Lab**  
Laboratory activities relating to PHY 101. Corequisite: PHY 101.

Psychology

**PSY 101 Psychology & Human Relations**  
Focuses on practical and personal applications of psychological principles. Encourages applications of psychological principles to daily living and to human interactions such as work, leisure, school, and relationships. This course is designed for students who are not majoring in psychology. This course transfers as a general elective.

**PSY 201M Introduction to Psychology I**  
Introduction to the science and application of psychology. Emphasis will be placed on psychological concepts, theories, and principles related to: Research Methods, Behavioral Neuroscience, Consciousness, Sensation/Perception, Learning, Memory, Thinking and Intelligence, and related topics. Prerequisite: WRI 121.

**PSY 202Z Introduction to Psychology II**  
Introduction to the science and application of psychology. Emphasis will be placed on psychological concepts, theories, and principles related to: Personality, Social Psychology, Health and Well-Being, Motivation and Emotion, Disorders, Therapies, Lifespan Development, and related topics. Recommended: PSY 201Z. Prerequisite: WRI 121.

**PSY 226 Abnormal Psychology II**  
Overview of legal and ethical issues related to abnormal psychology. Specific disorders covered include dissociative, substance use, schizophrenia, childhood and adolescent. Suicide is examined as a topic specific to abnormal psychology. Various treatment modalities are also reviewed. Prerequisite: PSY 225.

**PSY 233 Psychology of Violence and Aggression**  
This course addresses the developmental, social, physiological, and cultural aspects that contribute to violence and aggression as well as the legal issues involved. Includes an overview of the theories of aggression, as well as factors influencing family violence, violent children, mob mentality, hate crimes, war and terrorism, stalking, sex crimes, and murder. Prerequisite: Successful completion of WRI 121, or instructor approval.

**PSY 235 Human Growth & Development I**  
A biosocial study of human development from conception to adolescence. Discusses the biological and social processes, i.e., cognition, personality, emotion, and social, affecting the developing child. Applications to health care, family, and education are discussed. Recommended: Previous coursework in psychology.

**PSY 236 Human Growth & Development II**  
A psychological study of the continuing development of the human being from adolescence through old age and death. Discussion focuses on the social and healthcare issues of adulthood. Applications to healthcare, family, and social policy. Prerequisite: PSY 235.

**PSY 280 Coop Wk Exp: Psychology**  
On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills and attitudes learned through the on-campus program so that the student can learn all aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required and the student must locate a job site for the course.

**Spanish**

**SPA 101M First Year Spanish I**  
First in a three-course series designed to develop basic communication skills in oral and written Spanish. Introduces learners to the rich culture of the Spanish-speaking world, including listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture. NOTE: This course is a stand-alone course. It does not align with the Spanish series.

**SPA 103 First Year Spanish III**  
Third in a three-course series designed to develop basic communication skills in oral and written Spanish. Introduces learners to the rich culture of the Spanish-speaking world, including listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture. Prerequisite: SPA 102.

Statistics

**STA 243Z Elementary Statistics I**  
A first course in statistics focusing on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be used when appropriate. Prerequisite: MTH 095 with a grade of "C" or better or MTH 105 with a grade of "C" or better or MTH 111 with a grade of "C" or better or placement into MTH 111.

Surgical Technology

**SUR 112 Surgical Instrumentation**  
This course explores the surgical technologist's role with regards to instrumentation utilized within the operating room to provide quality patient care. Students will identify basic instruments by name, classification, and function. Prerequisites: SUR 104 and 104L with a grade of "C" or better. Corequisites: SUR 112L.

**SUR 112L Surgical Instrumentation Lab**  
This is a laboratory course to practice and demonstrate the principles and techniques regarding instrumentation utilized within the operating room. Students will identify basic instruments by name, classification, and function; will demonstrate proper care and handling, assembly of instruments; and will be able to apply knowledge of instruments to surgical procedures. Prerequisites: SUR 104 and 104L with a grade of "C" or better. Corequisite: SUR 112.

Wildland Fire Science

**WFS 101 Wildland Firefighter 2**  
This course is designed as classroom and field training for the entry-level firefighter. The course addresses ICS organization; basic ICS terminology and ICS common responsibilities; human factors on the Fireline; safety orientation, firefighter preparedness, tools and equipment, firing devices, use of water, suppression, securing the control line, use of maps, scouting, hazardous materials and standards for survival. Provides instruction in the primary environmental factors that affect the start and spread of wildfire and the recognition of potentially hazardous situations.

Welding

**WLD 101 Welding Processes & Applications**  
Introduction to Welding covers flat and horizontal positions with oxygen-acetylene welding OAW, stick SMAW, Mig GMAW on mild steel, Tig GTAW on aluminum, safety, setting up and shutdown. Suggested Corequisite: WLD 114.

**WLD 114 Shielded Metal Arc Weld: Mild Steel I**  
Develops knowledge and manipulative skills in the use of E7018 mild steel electrodes when performing various welds in the flat, horizontal, and vertical positions. Corequisite: WLD 101.

**WLD 115 Shielded Metal Arc Weld: Mild Steel II**  
Develop intermediate and advanced skills in shielded metal arc welding for success in the metal fabrication industry. Includes preparation of joints for proper setup and design using 1/4 inch and thicker mild steel. Prerequisite: WLD 114. Corequisite: WLD 253.

**WLD 221 Gas Tungsten Arc Weld: Stainless Steel/Alum**  
Develops knowledge and manipulative skills while welding common joints in all positions on stainless steel and aluminum with the G.T.A.W. process. Prerequisite: WLD 101.

**WLD 253 Welding Cert Practice 3/8 or 1 Inch Mild Steel**  
Practice for the American Welding Society Mild Steel Welding Certification tests using mild steel electrodes in the horizontal, vertical, and overhead positions. Prerequisite: WLD 114. Corequisite: WLD 115

**WLD 254 GMAW/FCAW Certification**  
Practice for the American Welding Society Structural Qualification tests using GMAW/FCAW mild steel electrodes in the horizontal, vertical, and overhead positions. Prerequisites: WLD 114 and WLD 131.

**WLD 255 GTAW Certification Practice**  
Practice for American Welding Society Qualification tests using the gas tungsten arc welding process on aluminum and stainless steel in the horizontal, vertical, and overhead positions. Prerequisites: WLD 101 and WLD 221.

**WLD 256 Pipe Certification Practice**  
Practice for American Welding Society Qualification tests in pipe. Prerequisites: WLD 101, WLD 114, WLD 115, and WLD 253.

**WLD 261 Basic Fabrication**  
Develops fabrication knowledge and skills in selection and use of layout tools and equipment to assemble a fabrication project from given specifications. Prerequisite: WLD 102 and WLD 114.

**WLD 280 Coop Wk Exp: Welding**  
On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program. Cooperative work experience is offered for variable credit based on the student's objectives. Prerequisite: Instructor permission is required.

**Work Experience**

**TEX 280 Coop Wk Exp: Seminar**  
Introduces students to the selection processes and procedures necessary to gain successful employment. Topics covered include: Job search techniques, networking, resumes, cover letters, thank-you letters, and interview techniques. Recommended: To be taken near completion of degree or certificate. Prerequisites: WRI 117 and WRI 121.





## Writing

### **WRI 095**      **Intro to Expository Writing**

Introduces college-level skills in writing paragraphs, essays, and reading critically. Students learn to revise for clarity, structural integrity, and correct grammar. Prerequisite: WRI 090 with a grade of "C" or better or placement into WRI 095.

### **WRI 100**      **Co-Requisite Writing**

This course provides the support necessary for students to succeed in writing-intensive classes. It is mandatory for students who place in WRI 90 to enroll in WRI 95 and students who place in WRI 95 to enroll in WRI 121. The course is also an elective for students who need additional support to be successful in other courses, such as WRI 122, WRI 227, and discipline-specific courses. This course is graded on a pass (P) / no pass (NP) basis and is not computed in the GPA.

### **WRI 114**      **Intro to Electronic Research**

Introduction to college-level electronic research, developing search strategies, selecting and evaluating appropriate sources, documentation and citation, and a thorough understanding of the economic, legal, ethical, and social issues surrounding electronic information retrieval. Recommended: WRI 095.

### **WRI 117**      **Intro to Technical Communication**

Focuses on the specific writing needs of career and technical programs: instructions procedures, proposals, letters, memoranda, e-mail, work reports, and other work-related documents. Prerequisite: WRI 095 or WRI 121 or placement into WRI 121.

### **WRI 121M**      **Composition I**

WRI 121M engages students in the study and practice of critical thinking, reading, and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes. Prerequisite: WRI 095 with a grade of "C" or better or placement into WRI 121.

### **WRI 121Z**      **Composition I**

WRI 121Z engages students in the study and practice of critical thinking, reading, and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes. Prerequisite: WRI 095 with a grade of "C" or better or placement into WRI 121.

### **WRI 122Z**      **Composition II**

WRI 122Z builds on concepts and processes emphasized in WRI 121Z, engaging with inquiry, research, and argumentation in support of students' development as writers. The course focuses on composing and revising in research-based genres through the intentional use of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experience; use this to frame and pursue their own research questions; and integrate material purposefully into their own compositions. Prerequisite: WRI 121 with a grade of "C" or better.

### **WRI 227Z**      **Technical Writing**

WRI 227Z introduces students to producing instructive, informative, and persuasive technical/professional documents aimed at well-defined and achievable outcomes. The course focuses on presenting information using rhetorically appropriate style, design, vocabulary, structure, and visuals. Students can expect to gather, read, and analyze information and to learn a variety of strategies for producing accessible, usable, reader-centered deliverable documents that are clear, concise, and ethical. Prerequisite: WRI 121 with a grade of "B" or better or WRI 122 with a grade of "C" or better.

### **WRI 243**      **Introduction to Creative Writing: Screenwriting**

Introduces students to dramatic writing for the screen. Essential learning processes in the course include scene and dialogue craft exercises, developing strong characters and viable narrative structures, critical reading of screenplays and responding constructively to other student's work. Recommended: ENG 195. Prerequisite: WRI 095, or placement into WRI 121.

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