

Colorado
Mountain
College



Colorado Mountain College



2011-12 Catalog |



Colorado Mountain College 2011-2012 Catalog

■ Current catalog information is available online @ www.coloradomtn.edu/catalog

■ Class schedules are available online www.coloradomtn.edu/classes



About the Cover

“Meadow,” Oil on paper by Julie Lyne, Administrative Technician, Colorado Mountain College in Breckenridge

Painted in Kate Keisler’s Summer 2010 Art Sampler class next to the Little Mountain Trailhead & Illinois Gulch in Breckenridge with a northeast view towards Barney Ford Hill.

Artist’s statement: “I remember the sound of the gulch behind me as I painted for a few hours in Kate’s class. The light changed quickly as the dew evaporated away from the grasses & wildflowers in the meadow. But the memory of a soft opening of the morning stayed with me & this was the feeling I was hoping to capture in this high key painting.”

Julie graduated from University of New Mexico, Albuquerque with a Bachelor’s in Fine Arts, cum laude. She has also created work in ceramic, metal, wood, water color & printmaking arts.

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This catalog is certified as true and correct in content and policy as of its publishing in June 2011. Realizing that flexibility in education can be beneficial, Colorado Mountain College reserves the right to alter tuition, fees, calendar dates, curricula, and other information contained in this catalog as deemed necessary by the Board of Trustees, administration, or state agencies. The most current catalog information will be posted on our website at: www.coloradomtn.edu/catalog. Colorado Mountain College is dedicated to the principle of providing equal opportunity with regard to all prospective and current employees and students. In addition, the College shall continue to take positive steps to ensure non-discrimination based on disability, race, creed, color, sex, age, national origin, ancestry, sexual orientation, and religion. The College complies with regulations of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments Act of 1972 in regard to sex discrimination and section 504 of the Vocational Rehabilitation Act of 1973 in regard to disability discrimination. Inquiries or specific complaints of alleged discrimination and/or compliance with Federal or State regulations may be directed to the College’s Vice President of Human Resources who serves as the EEOC (Equal Employment Opportunity Commission) Officer; or to the Vice President of Student Affairs who serves as the ADA (Americans with Disabilities Act) Officer, at 831 Grand Avenue, Glenwood Springs, Colorado 81601, 970-945-8691. Complaints may also be filed with the Office for Civil Rights, U.S. Department of Health & Human Services Region VIII, 1961 Stout Street – Room 1426, Denver, CO 80294, 303-844-2024; 303-844-3439 (TDD).

Locations & Schedule

2011-2012 Catalog

Locations

Aspen

0255 Sage Way
Aspen, CO 81611
(970) 925-7740

Breckenridge

107 Denison Placer Road
Breckenridge, CO 80424
(970) 453-6757

Buena Vista

27900 County Road 319
PO Box 897
Buena Vista, CO 81211
(719) 395-8419

Carbondale

690 Colorado Avenue
Carbondale, CO 81623
(970) 963-2172

Dillon

333 Fiedler Avenue
PO Box 1414
Dillon, CO 80435
(970) 468-5989

Edwards

150 Miller Ranch Road
Edwards CO 81632
(970) 569-2900

Glenwood Springs

1402 Blake Avenue
Glenwood Springs, CO 81601
(970) 945-7486

Glenwood Springs - Spring Valley

3000 County Road 114
Glenwood Springs, CO 81601
(970) 945-7481

Leadville

901 South Highway 24
Leadville, CO 80461
(719) 486-2015

Online Learning

831 Grand Avenue
Glenwood Springs, CO 81601
(970) 947-8341

Rifle

3695 Airport Road
Rifle, CO 81650
970-625-1871

Steamboat Springs

1330 Bob Adams Drive
Steamboat Springs, CO 80487
(970) 870-4444

Central Admissions & Administration

831 Grand Avenue
Glenwood Springs, CO 81601
970-945-8691
800-621-8559 (toll-free)
joinus@coloradomtn.edu

CMC Foundation

831 Grand Avenue
Glenwood Springs, CO 81601
970-947-8378
800-621-8559 (toll-free)
kbrubaker@coloradomtn.edu

For more information, go to: www.coloradomtn.edu

Please note the Academic Calendar now lists an Early Registration period for fall and spring semesters. CMC now practices standard registration periods at all CMC campuses. Students are strongly encouraged to register for classes as early as possible to avoid low enrollment class cancellations or class waitlists.

2011-2012 Academic Calendar

Summer 2011

Registration Begins

April 25, 2011

Classes Begin

May 16, 2011

Memorial Day

May 30, 2011 (No classes)

Independence Day

July 4, 2011 (No classes)

Classes End

August 12, 2011

Graduation

August 12 or 13, 2011

Fall 2011

Early Registration Begins

April 4, 2011

Registration Begins

August 1, 2011

Classes Begin

August 29, 2011

Labor Day

September 5, 2011 (No classes)

Thanksgiving Break

November 23-25, 2011 (No classes)

Classes End

December 16, 2011

Graduation

December 16 or 17, 2011

Spring 2012

Early Registration Begins

November 14, 2011

Registration Begins

December 5, 2011

Classes Begin

January 16, 2012

Spring Break

March 5-9, 2012 (No classes)

Classes End

May 4, 2012

Graduation

May 4 or 5, 2012

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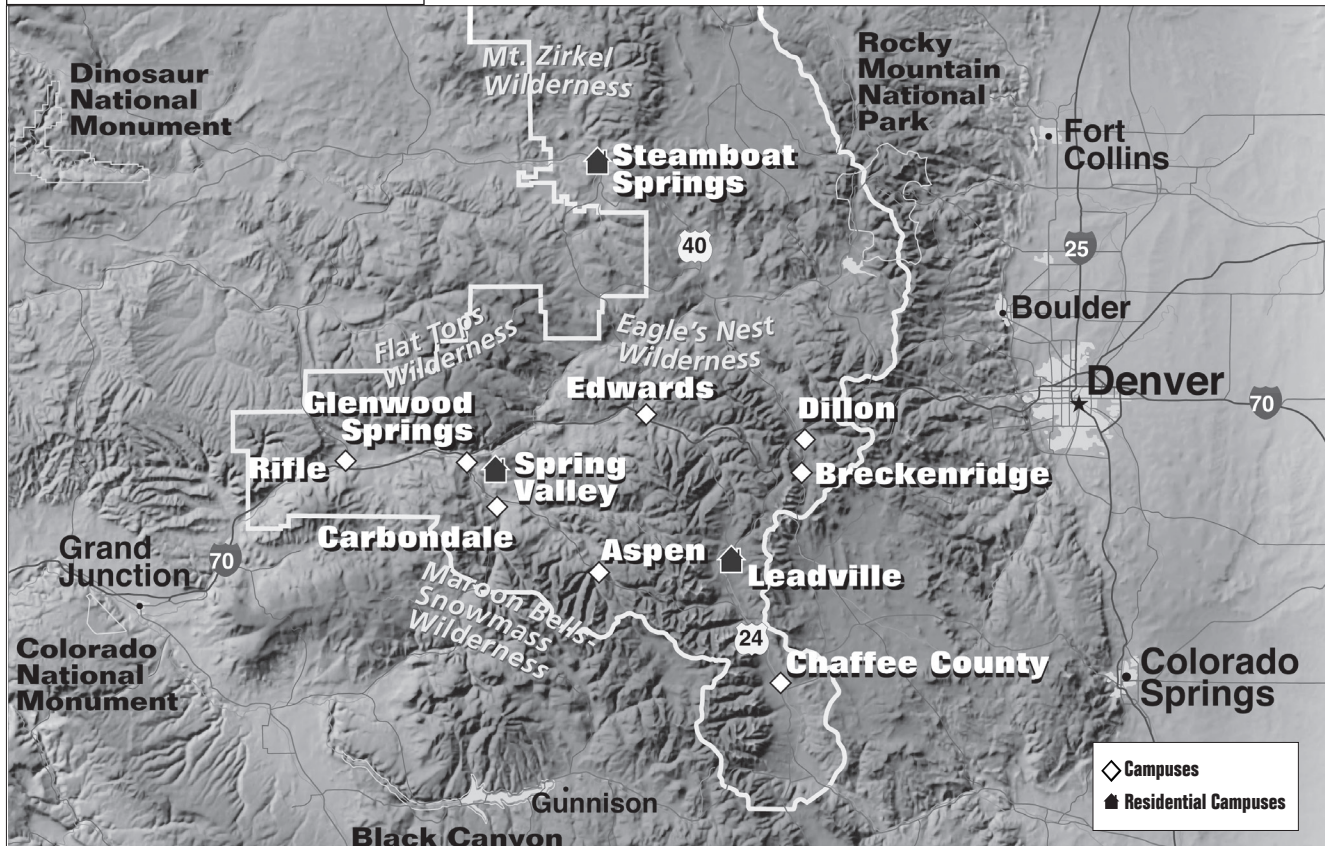
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About Us

About Us

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Learning here is personal. Classes are small. Faculty are friendly. Our graduates say that Colorado Mountain College has provided a solid foundation for the challenges they have faced. Whether you need help registering for classes or planning for your future, you'll find CMC teachers and staff who will take time with you. They know that if you are happy with your college and comfortable in your environment, you'll have a better chance of succeeding. We want to give you more than a diploma or certificate. We want to foster an environment that helps you succeed in all areas of your life.



District and Service Area Map. Colorado Mountain College serves 12,000 square miles in the Rocky Mountains.

Locations

The Colorado Mountain College service area covers all or part of nine counties in the center of the Rocky Mountains. Our 12,000 square mile service area includes homestead ranches, wilderness, Victorian boomtowns, mining, and the cultural atmosphere that has grown alongside international resorts.

Colorado Mountain College includes 11 teaching locations in the Colorado Rocky Mountains plus online learning. Three of these locations are full-service, offering residence halls, dining, library, and complete student services. These campuses are located in Leadville, Steamboat Springs, and near

Glenwood Springs at Spring Valley. Our other locations primarily serve local residents, although some students come from outside the region. See the District and Service Area Map for all of our sites.

Begin Your Four-Year Degree

Colorado Mountain College's Associate of Arts (AA) and Associate of Science (AS) degrees are designed to transfer to four-year colleges and universities. This is the course work traditionally taught during the freshman and sophomore years.

Colorado public four-year higher education institutions will honor the full transfer (60 credits) of an AA or AS degree earned at Colorado Mountain College. When you earn an AA or AS degree at Colorado Mountain College, completing the State Guaranteed General Education Courses with a grade of "C" or better in each course applied to the degree, you will transfer with a junior standing into any arts and science degree program offered by a participating Colorado public four-year college. Additionally, there are signed transfer agreements for the Associate of Arts degrees for Business, Elementary Education, and Early Childhood Education that, when completed in their entirety, will transfer to participating Colorado public four-year colleges and universities.

You should be able to complete your Associate of Arts or Associate of Science degree program in no more than 60 credit hours and your baccalaureate (four-year) degree in no more than a total of 120 credit hours, unless there are additional degree requirements recognized by the Colorado Department of Higher Education (CDHE). This means that if you complete your AA or AS degree at Colorado Mountain College, you can complete your four-year degree with the same number of credits as students who began at the receiving institution. If you have received credit for prior learning, advanced placement, or correspondence courses, this will be reviewed by the receiving institution.

The Associate of General Studies (AGS) Degree combines professional or career training with academic transfer courses. Colorado Mountain College has signed agreements or transfer guides for our specific AGS degrees in Engineering, Criminal Justice, and Outdoor Recreation Leadership. We recommend that you work with your Advisor for specific transfer options and requirements.

Our Career and Technical (CTE) programs are comprised of the Associate of Applied Science (AAS) degrees and certificates. Many

of these AAS degrees have signed agreements that allow for a smooth transfer to four-year colleges and universities for further career and technical opportunities. We recommend that you work with your Advisor for specific transfer options and requirements.

The quality of a CMC education is recognized throughout Colorado and across the country. Our students have transferred to the University of Colorado, Colorado State University, Stanford University, the University of Denver, Colorado College, Wellesley College, Vanderbilt University, Middlebury College, Fort Lewis College, Mesa State College, and others. We want to help you succeed while you're here and expand your possibilities after you leave Colorado Mountain College.

Start Your Career

Several Colorado Mountain College certificate and degree programs have become the reference standard for the entire country. While earning a degree or certificate, students can learn specialized skills demanded by today's job market. Many of our occupational certificates and degrees were developed to take advantage of our mountain environment and lead to immediate job opportunities in specific careers. See the Programs of Study chapter for more information.

Experiential and International Learning

We believe that learning changes more than your mind, and a good education goes beyond the classroom. At Colorado Mountain College you can challenge yourself on wilderness trips through the Rockies or the Desert Southwest.

Outdoor Education courses such as rock climbing help you develop mental discipline and physical conditioning beyond the traditional classroom. Through these experiences, you can develop confidence and a sense of physical well-being that will enhance all aspects of your life, not only at college but beyond. Several programs allow you to combine your outdoor interests with your career.

In addition to local outdoor experiences, many of our programs offer international study abroad and exchange student opportunities.

Then there are your classmates. Colorado Mountain College students have come from 46 U.S. states and 24 different countries. The varied student population at many of our locations allows you a diversity of perspective and broadens your experience.

Community Outreach and Partnerships

Colorado Mountain College reaches beyond its campuses to build partnerships with many K-12 school districts and other organizations in our region.

For learners requiring additional assistance, we offer GED courses and English literacy programs.

Working with four-year institutions, Colorado Mountain College delivers teacher certification programs using our interactive video network. Through a transfer agreement with Mesa State College students can complete a four-year elementary teaching degree.

Single parents in Garfield County are eligible to enroll in the Gateway program. This program provides a wide range of services designed to foster success in earning a certificate or degree.

Campus-based noncredit continuing education programs provide training for business and industry and lifelong learning opportunities for district residents.

Senior citizens benefit from tuition grants and programs tailored to their needs.

Many advanced high school students take Colorado Mountain College courses, allowing them to combine their first two years of college with their last two years of high school. Any high school student who is less than 21 years of age and is enrolled in the 9th grade of high school or higher is eligible for the CEPA program. Be sure to complete the following steps so you can enter the CEPA program:

- Get approval from your high school Counselor.

About Us

- Get approval from your school district's Superintendent.
- Submit a Concurrent Enrollment form with parent's, high school officials', and CMC Academic Counselor's signatures.
- Submit completed and signed CMC application and course registration with parent's signature. Adhere to CMC student rules and regulations as outlined in the Student Handbook.
- Take the Accuplacer assessment in English, reading, and mathematics for placement purposes.
- Create an academic plan of study with your Academic Counselor that will help you satisfy all of your graduation requirements.
- Basic skills remediation may be available through CMC in math, English, and reading for students preparing for graduation to better prepare them for college level work.

Students in our occupational certificate and degree programs reach into their communities with service projects.

The College, with many civic organizations and businesses, sponsors the First Ascent Leadership program. This program helps young people learn vital leadership skills, building self-esteem through outdoor activities.

Customized Business Services

Prepare Your Business for Success. At Colorado Mountain College, it is our vision to become your first choice in partnerships when your goal is to improve employees' performance by providing them high-quality, affordable training and development opportunities.

Founded on the belief that learning should be available wherever people work, at the time they need to learn, CMC's Customized Business Services team provides:

- Training for businesses and organizations of all sizes
- Customized for your staff, from front-line staff to executive leaders
- Onsite or on campus
- Scheduled at your convenience

We work hard to meet your unique training and development needs through services that range from providing a guest speaker to customizing an in-house training program leading to a certificate. Dedicated to providing high-quality, effective, and affordable training, CMC works with organizations to create a direct line from learning initiatives to business outcomes.

We deliver personalized business training when you need it, where you need it.

We will continue to establish community partnerships that provide access to success and accomplish our vision of being the "First Choice for Learning."

Colorado Incarcerated Offender Post-Secondary Program (CIOPP)

Colorado Mountain College partners with the Colorado Department of Corrections to offer the Colorado Incarcerated Offender Post-Secondary Program (CIOPP). Through this program, Colorado Mountain College offers credit courses at the Buena Vista Correctional Complex. Many offenders take college courses and earn their degrees or certificates while incarcerated, which enables them to find relevant occupations once they are released. These college courses count toward many degree programs offered at Colorado Mountain College and may also transfer to other public colleges in Colorado as well.

Vision, Mission, and Values

Vision

Over the next ten years, Colorado Mountain College is committed to being our communities' first choice for "learning, partnerships, and leadership."

Mission

Colorado Mountain College is creating a better future for our students, our communities, our partners, and our team members by:

- Anticipating new curriculum needs.
- Maximizing student learning and success.
- Focusing on education partnerships.
- Focusing on business partnerships.
- Building our capacity for organizational excellence.
- Recruiting, rewarding and retaining the best employees.

Core Values

Our values are embodied in the phrase "T2R2": Truth, Trust, Respect and Responsiveness.

Truth

By revealing, understanding, and blending diverse personal perceptions, biases, and "truths", as well as providing accurate and fact-based information at the start of a decision, vote, or discussion, we come closer to an inclusive Truth, thus resulting in the best course of action.

Evidenced by:

- Providing accurate and fact-based information versus guessing at the truth and having an adverse impact on sound decision making.
- Understanding others experiences and backgrounds, as well as our own bias, perceptions or understandings of the truth.
- Acknowledging internally that each of us can be wholly attached to our own perception of a situation (the Truth in our mind) and thus, may be closing ourselves off to "hearing" another viewpoint or perception of the truth.

Trust

Trusting that others are relaying the truth as they see it and are working in the best interests of the College and the students we serve by ensuring decisions and actions are guided by a commitment to student and personal success, accountability, maintaining confidentiality, keeping promises, and a commitment to life-long learning.

Evidenced by:

- Ensuring decisions and actions are guided by a profound commitment and sense of accountability to the public interest and to each other.
- Ensuring decisions and actions are guided by a profound commitment to the provision of lifelong learning enrichment to our community and to ourselves.
- Listening actively and attentively while others are speaking.
- Acknowledging and giving credit for contributions of others.

Respect

Valuing and acknowledging individual differences, opinions, and contributions by communicating openly, honestly, and directly, and treating each other fairly and consistently.

Evidenced by:

- Valuing and acknowledging individuals, listening to them, and accepting their individuality.
- Seeking to understand feelings, beliefs, values, and needs; taking these seriously and giving them genuine consideration.
- Accepting differences of opinion with graciousness.
- Listening actively and attentively while others are speaking.
- Acknowledging and giving credit for contributions of others.

Responsiveness

Being able and ready to respond, at all times, in support of our communities by remaining readily accessible, timely, solution-seeking, well-informed, accountable to our values and norms, encouraging, and responsible for our own actions.

Evidenced by:

- Awareness that, as public servants, we have the obligation to be individuals of good character, prepared at all times to be good stewards of the public trust.
- Passionately endeavoring to deserve the great support our communities give.
- Bringing our best every day.
- Keeping ourselves readily accessible to students, colleagues, and our community.
- Being timely in responding to or acknowledging the needs and requests of others.
- Being solution-oriented and proactive in facilitating solutions when problems are identified.
- Endeavoring to keep each other well-informed so accurate responsiveness is possible.
- Courageously holding each other accountable to our values and norms.
- Accepting responsibility for the outcomes of our own actions and apologizing for our behavior when we need to.

Accreditation

Colorado Mountain College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. The Commission can be reached at:

230 North LaSalle Street, Suite 7-500
Chicago, IL 60604-1411
Telephone: 1-800-621-7440

In its quest to become a Learning College, Colorado Mountain College has chosen the Higher Learning Commission's alternative accreditation through AQIP (the Academic Quality Improvement Program).

Approved for:

- General Studies Degree
- General Studies Degree
- Associate of Applied Science Degrees
- Nursing Degrees Occupational Proficiency Certificates
- Veterans' Training
- Foreign Students (Steamboat Springs, Leadville, Glenwood Springs – Spring Valley)

Approved for:

- Colorado Department of Higher Education
- Colorado Community College System (CCCS)
- Colorado State Board of Nursing
This nursing education program is a candidate for accreditation by the National League for Nursing Accrediting Commission (NLNAC).
NLNAC
3343 Peachtree Road NE
Suite 500
Atlanta, GA 30326
Ph: 404-975-5000 Fax: 404-975-5020
www.nlnac.org

Equal Opportunity Statement

Colorado Mountain College is dedicated to the principle of providing equal opportunity with regard to all prospective and current employees and students. In addition, the College shall continue to take positive steps to ensure non-discrimination based on age 40 and over, race, sex, color, religion, national origin, disability, ancestry, sexual orientation, or any other protected class.

The College complies with regulations of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments Act of 1972 in regard to sex discrimination and section 504 of the Vocational Rehabilitation Act of 1973 in regard to disability discrimination.

Inquiries or specific complaints of alleged discrimination and/or compliance with Federal or State regulations may be directed to the College's Vice President of Human Resources who serves as the EEOC (Equal Employment Opportunity Commission) Officer; or to the Vice President of Student Affairs who serves as the ADA (Americans with Disabilities Act) Officer at:

831 Grand Avenue
Glenwood Springs, Colorado 81601
(970) 945-8691

Complaints may also be filed with the Office for Civil Rights:

U.S. Department of Health & Human Services Region VIII
1961 Stout Street, Room 1426
Denver, Colorado, 80294
(303) 844-2024
(303) 844-3439 (TDD)

Contact Us

Current information, services and contact information are available on the Colorado Mountain College website:
www.coloradomtn.edu

We offer online registration and payment processing via the website. Registration information and class listings and times are available in our class schedules.

Call our Central Services Office at:
970-945-8691 or 1-800-621-8559.

Getting In

- Admissions
- Residency Classification
- Registration
- Earning Non-Traditional Credit
- Transferring Credits
- Administrative Withdrawal
- Grading Options
- Tuition and Other Costs
- Living on Campus
- Refunds

This chapter contains practical information to make sure you get off to a solid start at CMC. How to determine your residency status and the associated tuition costs, how to apply for admission, register for classes, and receive grades are all described in this section.

Lessons learned in the mountains can help you achieve your dreams. Don't let a technicality get in your way. Don't hamper your education by misunderstanding a policy. Read the policies first.

Admissions

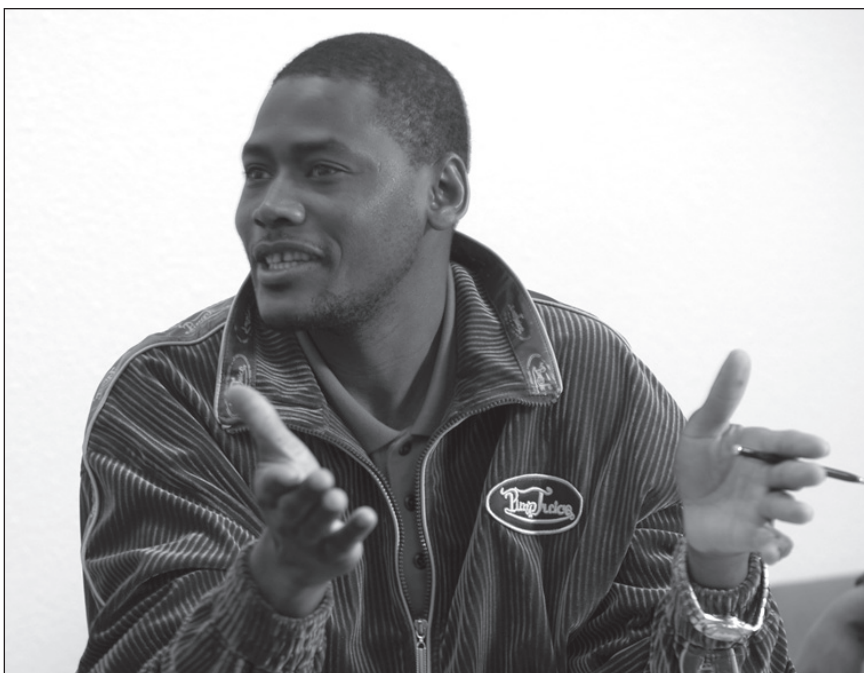
The following admissions procedures are used primarily for full-time students enrolling at our residential campuses. For admission to community campuses, please refer to the current Colorado Mountain College class schedule.

Regular Admissions Requirements

You may be granted regular admission to Colorado Mountain College if you are a high school graduate, or have earned a General Educational Development Certificate (GED). If you are not a high school graduate, you may also be admitted if you are 17 years of age or older.

All admissions are also based upon the following conditions:

- Certain programs may have limited enrollments due to staffing and facility constraints. Students are admitted based upon program admission criteria and as staffing and facilities permit.
- Transfer students seeking a degree or certificate program at a residential campus should have a cumulative grade point average of at least 2.00 on a 4.00 scale at previous colleges attended in order to be considered for admission to Colorado Mountain College. Exceptions may be approved by the Assistant Vice President, Enrollment Services.
- ACT or SAT scores are recommended and are used for advisement and placement. If you are seeking a degree and have not completed ACT or SAT exams prior to enrollment, you will be required to take a placement test.



Small classes provide great discussions.

Please contact Central Admissions at 970-945-8691 for further information.

Immunization Requirement

Colorado Mountain College must comply with the state immunization law. This law requires certain full-time students to provide documentation concerning their immunization against measles, mumps, and rubella. The Registrar's Office will notify you if this documentation is required. Questions may be addressed to the Student Services Office at your site/campus.

Selective Service Registration

Colorado law requires all males between the ages of 18-25 to certify their registration with the Selective Service. If a student is required to be registered and has not, state law prohibits the College from allowing him to enroll.

Academic Placement & Testing

All first-time students undergo testing in reading, writing, and mathematics at the beginning of their first semester of study. Required test scores may change without notice. See your College Counselor.

If you do not meet the minimum competency standards established by the college, you may be required to complete prerequisite developmental courses which will help develop the skills you need to succeed in college-level work. Students needing accommodations for testing must contact the Disabilities Services Coordinator.

Placement Test Requirements

Colorado Mountain College requires placement tests to determine which classes best suit your abilities. You will not be required to take these tests if:

1. You have taken an ACT test and achieved an English score of 18, a reading score of 17, and a math score of 23. This test must have been completed within five years of registration.

OR

You have taken an SAT test and achieved a critical reading score of 440 for English, a critical reading score of 430 for reading, and a math score of 460. This test must have been completed within five years of registration.

OR

2. You have successfully completed (“C-” or above) the equivalent course to ENG 121 and MAT 121 at a previous college. An official transcript must be provided when you are admitted.

OR

3. You are awarded credit in Math and English through the College Level Examination Program (CLEP) or through Advanced Placement Examinations.

OR

4. You have an associates degree or higher.

Application Process

Applying for admission to Colorado Mountain College is easy and there is no application fee. Students who wish to take credit classes may be required to demonstrate proficiency in college level reading, English, and math prior to enrolling in college level courses.

New Student: “I have never attended college before”

1. Complete and submit your admission application. The application is available online at www.coloradomtn.edu.

2. Submit high school transcripts (only for students who have graduated within the last five years).

3. Submit your ACT or SAT scores if taken within the last five years. These tests are not required for admission; however, certain scores may exempt you from placement testing and may be required for some academic programs.

4. Take Accuplacer Placement Test (if necessary) available at any CMC campus.

5. Colorado law requires all college freshmen born since January 1, 1957, to have had two immunizations each against measles, mumps, and rubella. You must provide proof of these immunizations before you will be allowed to register for classes. This law affects all residential campuses and associated commuter sites.

6. Schedule an advising appointment with a CMC College Counselor at the campus you plan on attending.

7. Arrange financing to pay for your college expenses.

Transfer Student: “I am transferring from a college or university to CMC”

1. Complete and submit your admission application. The application is available online at www.coloradomtn.edu.

2. Have your previous college(s)/university(ies) send official academic transcripts to CMC’s Registrar’s Office.

3. Take Accuplacer Placement Test (if necessary) available at any CMC campus.

4. Colorado law requires all college freshmen born since January 1, 1957, to have had two immunizations each against measles, mumps, and rubella. You must provide proof of these immunizations before you will be allowed to register for classes. This law affects all residential campuses and associated commuter sites.

Returning CMC Student: “I have not taken classes at CMC in over one year”

1. Complete and submit your admission application. The application is available online at www.coloradomtn.edu.

2. Schedule an advising appointment with a CMC College Counselor at the campus you plan on attending.

3. Arrange financing to pay for your college expenses.

International Student Admission (F1 Student Visa)

Colorado Mountain College is authorized by the Department of Homeland Security (DHS) to admit non-immigrant students

to only the CMC in Glenwood Springs - Spring Valley campus, the CMC in Leadville campus, the CMC in Steamboat Springs campus, and the CMC in Edwards campus. International students must submit an International Student Admission Application and all supporting documentation prior to the application deadline. Applications submitted after the deadline will not be considered.

1. Complete and submit International Student Admission Application and supporting documents. Deadlines are May 1st for fall semester and October 1st for spring semester.

2. Submit official college/university transcripts (if applicable). International transcripts must be certified and translated into English. Please request the “Catalog Match” translation. Go to www.ece.org for information. Student is responsible for all fees associated with translation services.

3. If your native language is other than English, you must submit Test of English as a Foreign Language (TOEFL) test results with a minimum total score of 500 on the written exam and 173 or higher on the computer exam. Go to www.toefl.org for more information. We also accept the Michigan Test of English Language Proficiency (minimum score of 80); recommendations from the English Language School (completion Level 109); or completion of Level 5-advanced at an Intensive English Language Center.

4. Financial certification verifying the financial resources to pay for one full year of student expenses at CMC.

5. Contact the Campus Dean of Student Affairs at the campus you plan on attending after the International Admission application and documents have been submitted.

6. I-20 Form: The CMC designated school official will send you this form after we receive items 1 through 4 above, if you meet admission requirements. The I-20 Form is required to obtain a visa or to transfer from another school.

7. Tuition and fees for international students: Out-of-state tuition and fee charges apply. Financial aid is not available for international students.

8. Housing for international students: We strongly recommend that international students live in on-campus housing. Housing information will be mailed with letters of acceptance or upon request.

9. International students are required to purchase the International Student Health

Insurance Policy offered through Colorado Mountain College.

Helpful online information for international students is available at Study in the USA: www.studyusa.com.

Selective Admissions Programs

You might be admitted to the college, but not accepted to a particular program due to enrollment limits or academic requirements. In this event, a College Counselor will help you plan a schedule for overcoming scholastic deficiencies or will suggest alternative courses or programs.

In programs where enrollment is limited due to academic requirements, meeting minimum requirements does not guarantee admission to the program. Admission to these programs is based upon academic and personal qualifications considered necessary for successful practice in the occupation. For further details about programs with limited enrollments and specialized admission requirements, please contact the Central Admissions Office at joinus@coloradomtn.edu.

Residency Classification

Domicile is defined by Colorado law. To be domiciled in Colorado for tuition classification purposes, the student (or his/her parent/legal guardian as prescribed by the law) must have physical presence in the state and/or district and an intent to maintain that as a true, fixed permanent place of residence. You may be required to furnish the following documents to assist in the verification of residency: Colorado state income tax returns, current driver's license, motor vehicle registration and voter's registration; proof of physical presence such as rent receipts, cancelled checks, or other acceptable evidence; and a petition for residency classification.

If you feel you have been incorrectly classified, you may request a tuition reclassification petition and a copy of the summary of the state statutes governing tuition classification from the Tuition Classification Officer at any Colorado Mountain College campus. This petition will be processed only if you have an application for admission on file or are currently enrolled. The petition must be submitted no later than 10 working days after the start of the semester or initial registration for the mid-semester starting classes.

Colorado Resident

To be classified as a Colorado resident for tuition purposes, you must be domiciled in the state for 12 months before becoming eligible for a change in residence classification under the tuition classification law.

If you are under the age of 23, you must prove emancipation from your parents if they are not legal residents of the district/state.

In-District Resident

To gain in-district status for tuition purposes, you must be a Colorado state resident and be domiciled in the six-county Colorado Mountain College district for a minimum period of 32 days prior to registration. If you are under the age of 23, you must prove emancipation from your parents if they reside out of the district. If you gain in-state status while residing in the district, you may earn in-district status at the time of your classification as in-state.

Any student who willfully gives wrong or misleading information to avoid paying non-resident tuition is subject to legal and disciplinary action. Disputes of the tuition classification beyond the petition are considered by the CMC Tuition Classification Review Board appointed by the Assistant Vice President, Enrollment Services.

Out-of-State Resident

An out-of-state resident is a person domiciled in Colorado for less than twelve months.

ADA Physical and Academic Requirements

Colorado Mountain College occupational certificates and degrees have certain physical and academic standards which you will be required to meet before you are admitted to the program. Students accepted into the college's vocational programs must be physically, mentally, and emotionally self-supportive with reasonable accommodations.

If you are concerned about meeting the physical and academic standards, please contact the Disability Services Coordinator who will determine your ability to participate in the program. See the Support Services for Students with Disabilities section in the Finding Help chapter.

Registration

This section describes the policies and processes for adding and dropping classes and policies related to class attendance, course load, and transferring credits into Colorado Mountain College.

Standard Registration Periods

CMC's academic year is three semester (summer, fall, spring). Standard registration periods pertain to standard and non-standard length credit courses.

Early Registration provides an opportunity for currently enrolled degree- or certificate-seeking students to register early for the upcoming semester. Students must meet campus academic advising requirements and have a zero balance on their account. Payment is deferred to a later date and not due at the time of early registration. An invoice will be mailed to the student. Fax-in, in-person, and phone-in registration methods are available during this period.

Registration is open to all students and for all class types (credit, continuing education/non-credit, and CEU). All methods of registration are available for students to use. Payment is due at the time of registration during this period.

Drop/Add Period is intended for students making changes to their current schedule or registering for a standard length course before the course has started. Some flexibility is needed to allow for students to drop/add courses or register for a course provided they meet the following "Drop/Add Period" criteria:

- Currently registered student dropping and/or adding course to make a schedule change will be allowed to register after the first class session during the drop/add period with approval from both the course Faculty and Campus Instructional Leader or designee.
- Students starting the registration process are allowed to register for a class during drop/add period one day before the first class session. Student must meet campus advising requirements and get approval from the Academic Advisor or designee.

The standard drop/add registration form will be used for this registration transaction.

Late Starting Classes: These classes are intended for students to add classes to their schedule or for a new student to get registered for classes that have not started.

Before You Register

For your success, we suggest that you meet with your Faculty Advisor or a College Counselor as you plan your semester schedule. The class schedule from each campus shows registration times and locations. This schedule, printed each semester for each campus, provides critical information concerning each course: when and where the course meets, the teacher, and the cost. The schedule also provides important dates such as the withdrawal date (the last date you can drop the class).

Courses offered at Colorado Mountain College include credit, continuing education (non-credit), and continuing education units (CEU) classes. Many short courses start throughout each semester. Checking the online class schedule throughout the semester will provide the most up-to-date course offerings and registration deadlines. Students are encouraged to register early to avoid low enrollment class cancellations or course waitlists.

The Five Registration Methods

Colorado Mountain College offers five registration options:

1. Mail
2. Fax
3. Phone
4. Online (WebAdvisor)
5. In person

Class schedules and registration information are also available on the Colorado Mountain College website at www.coloradomtn.edu/classes.

Preregistration and Financial Aid

To ensure degree planning success, current students may “preregister” for courses prior to the official registration date. Please note: students who have been awarded financial aid may use their funds to cover tuition at the payment deadline. Sufficient funds must be available or students will be dropped from their classes. To be eligible for financial aid,

it is also necessary to declare an intended major on your admission application. See the Financial Aid section of this document for more information on the financial aid applications process and the application calendar.

Payment and Prerequisite Requirements

Students must sign up for Nelnet Payment Plan or have financial aid in place at the time of registration. A student is considered to be fully enrolled in a class if allowed to remain registered in the class through the class census date.

Students who do not meet minimum course prerequisites, or who have not paid, and/or signed up for Nelnet Payment Plan may be dropped. Because of time constraints, prior notice of the drop will not be provided. Students who are dropped for non-payment will not automatically be reinstated in the class. The student may be required to join others on a waiting list.

Adding a Class

To register for a class (add), you must complete an Add/Drop Registration Form and submit it to your campus registration office. Classes may be added or dropped from your schedule only within the dates established for each class. These dates are published in the semester class schedule.

Class Cancellations and Late Registration

Some classes may have early decision dates. This means that if sufficient enrollment is not evident at an established date prior to the class start date, the class may be cancelled. In general, however, students may register for, or add, a class through the first day of class.

Drop/Add Period is intended for students making changes to their current schedule or registering for a standard length course before the course has started. Some flexibility is needed to allow for students to drop/add courses or register for a course provided they meet the following “Drop/Add Period” criteria:

- Currently registered student dropping and/or adding course to make a schedule change will be allowed to register after the first class session during the drop/add period with approval from both the course faculty and campus instructional leader or designee.

- Students starting the registration process are allowed to register for a class during drop/add period one day before the first class session. Student must meet campus advising requirements and get approval from the academic advisor or designee.

The standard drop/add registration form will be used for this registration transaction.

Class Attendance

Students are expected to attend all classes. If you wish to drop a class, you are responsible for completing the necessary Drop Form. Faculty members are authorized to drop students for excessive absences. You cannot, however, assume that a faculty member will drop you from a class. The actual number of absences necessary for a faculty member to consider dropping a student varies by course and instructor. Be sure to discuss this matter with your instructor to determine his/her minimum expectations.

Course Load

Each course offered for college credit is assigned a specific credit hour value. The credit hours usually correspond to the number of class sessions per week. For example, a standard three credit hour course offered for the full 15-week semester will usually meet three hours per week.

To complete a two-year degree program in four semesters, you would need to enroll in approximately 15 or 16 hours per semester.

In general, the minimum requirement to be considered full-time is 12 credit hours. However, requirements for different types of financial assistance (financial aid, scholarships, veterans benefits, etc.) may vary. Be sure to read carefully all correspondence from these offices and agencies when you are planning your schedule.

Disabled students may, for some purposes, be considered full-time if taking fewer than 12 credit hours. Contact the Registrar for more information.

If you plan to enroll in more than 18 hours, you must obtain authorization from your College Counselor and/or the site administration. Please contact the Registration Office for information concerning overload approval requirements.

Repeat Courses

All courses not designated repeatable for credit fall under the Course Repeat Policy. Each time a course is repeated it is recorded on the transcript. The most recent grade will be calculated in the cumulative GPA. Repeated courses will be counted one time only in the total credits earned. A course may be taken for a maximum of two (2) times (the original registration and repeated once) before written consent from the College Counselor or Instructional Administrator of the respective campus is required.

Requesting Readmittance

If you have been gone from CMC for three or more semesters, you are required to be readmitted and must complete a new admission application for the term in which you are enrolling.

Earning Non-Traditional Credit

Colorado Mountain College recognizes that learning can take place in environments outside the traditional classroom. To recognize this learning and to equate it with traditional classroom learning, we have developed the following methods of awarding credits.

These are listed in the order of preference established by the college. For example, courses which have standardized national exam equivalents should have credit awarded through use of these exams. Challenge Exams are utilized for courses which have no national exam equivalents. Likewise, Credit for Life Experience is used when neither a national exam nor a challenge exam is appropriate to the course.

Definition of Awarded and Earned Credits

National exam scores, Challenge Exams, or Credit for Life Experiences recognize prior learning. Credits representing this learning are considered to be awarded by the college.

Awarded hours are not included in meeting the minimum requirements for graduation.

Credits are considered to have been earned if they are the result of a student's official registration in the class at Colorado Mountain College.

Credit for Standardized National Exams

Certain courses have nationally-recognized examinations which satisfy certain course and program requirements. Colorado Mountain College recognizes and accepts exam results for CLEP, AP, DSST (DANTES), Excelsior College Exam, and International Baccalaureate to award credit. Please contact your College Counselor to inquire about the acceptance and the required minimum score of a specific subject matter exam through one of these national testing agencies.

Challenge Exam Credits

You may take a challenge exam in lieu of enrolling in and taking a course. Contact a College Counselor at your campus for details. If you successfully complete a challenge exam by receiving a grade of "C-" or better, the credits allowed for the course will be posted to your transcript. Challenge exam grades of "D" or "F" will not be posted to your transcript. Challenge credits are posted to transcripts with a notation indicating the credit was awarded by examination.

You must submit an application letter to the College Counselor stating which course(s) you wish to challenge. The Counselor then coordinates with the Senior Vice President of Academic Affairs to secure an approved method. After the examination has been established, you make payment to the registration staff. This payment is non-refundable. You must be currently enrolled in other classes at Colorado Mountain College to qualify for a challenge exam.

You may take as many approved challenge exams as you wish, however, you may attempt only one exam per semester for each course.

Fees for challenge exams are non-refundable and are assessed before you attempt to challenge a course. Please contact your College Counselor for fee information.

Credit for Life Experiences

Colorado Mountain College has developed a procedure for evaluating your prior learning outside the classroom and through life experiences. This method of awarding credit may be authorized for courses which, as determined by the Senior Vice President of Academic Affairs, cannot be effectively evaluated through the challenge

exam system. This procedure determines the specific learning which has taken place and equates that learning with courses within the curriculum. Contact a College Counselor to determine the availability of a challenge exam for the specific Colorado Mountain College course. If a challenge exam is not available, the Counselor will provide a copy of the Guidebook for Credit for Life Experiences.

The fees for Credit for Life Experiences are non-refundable and are assessed before you turn in a portfolio. In-District fees are 50 percent of current tuition for the credits attempted through the portfolio process; in-state and out-of-state fees are 50 percent of current tuition for in-state residency for credits attempted through the portfolio process.

Credit for Military Service and Training

Credit may be awarded for certain types of military service and schools. The training/schooling must be approved and listed in the current Guide to the Evaluation of Education Experience in the Armed Services, prepared by the American Council on Education.

Transferring Credits into Colorado Mountain College

This section describes the requirements and processes for transferring credits into Colorado Mountain College.

International Transcript Evaluation Process

International transcripts are evaluated for Colorado Mountain College by a service agency. The fee for this service is paid by the student directly to the service agency. Copies of course outlines and/or syllabi from your previous courses may be required. Please contact the Registrar's office at Colorado Mountain College to obtain the necessary information for having international transcripts evaluated for transfer credit.

Credits Not Accepted Into Colorado Mountain College

There are some courses which do not transfer or count as degree credit at Colorado Mountain College. These are grouped as follows:

1. Developmental college courses such as developmental English, remedial mathematics, remedial reading, developmental reading, and remedial science.
2. Career and technical courses not equivalent in content and/or level of Colorado Mountain College courses.
3. No more than 20 quarter or 13 semester credits completed by correspondence at another institution.
4. Courses in which a grade of “D+” or less was received (or a “P” grade, where “P” can be equal to “D+” or less level work).
5. Religious courses which are not secular in content.
6. Courses taken longer than 10 years ago must be reviewed by the Transcript Evaluator before they are accepted.

Transfer Evaluation and Reporting Process

Regular academic courses completed with a grade of “C-” or better are generally accepted in transfer. Colorado Mountain College accepts credits earned from colleges and universities accredited by regional accrediting agencies. If your college was accredited by a nationally recognized agency other than a member of the Association of Schools and Colleges, please contact the Registrar to confirm whether or not your credits are transferable.

To determine the number of credits which will be accepted in transfer to Colorado Mountain College, we prepare a Transfer Evaluation Report. This report compares an official (student copy not accepted) transcript from the transfer institution with courses at Colorado Mountain College. Equivalent course codes are assigned where possible. Not all transfer-level courses are granted an equivalent, but credit in the same general area may be allowed. If necessary, the evaluator will use the catalog course descriptions from the transferring institution as the official statement of course content. Students may be requested to provide official course descriptions for specific courses.

If you have earned credit from a non-accredited institution you may attempt to have the learning recognized through our challenge exam system. See Earning Non-Traditional Credit earlier in this chapter for more details.

Official academic transcripts must be sent to the Central Registrar’s Office.

Colorado Mountain College
Registrar Office – Transcripts
831 Grand Avenue
Glenwood Springs, CO 81601

Transfer Evaluation Appeals Process

If you are not satisfied with the completed Transfer Evaluation Report, you may submit a written appeal to the Registrar. The Registrar will review the appeal (consulting faculty and/or academic administration as appropriate) prior to making a final decision.

Dropping a Class

To withdraw from a class (drop), you must complete an Add/Drop Form and submit it to any CMC site registration office. Signature and date are required. Notifying the instructor, your Advisor, or simply not attending class are not sufficient ways to ensure that you are withdrawn/dropped from the class. If you cannot submit an Add/Drop Form to any CMC site Registration Office, you must submit a written request to be dropped. This request must be submitted to any CMC site registration office. The date the written notice or Add/Drop Form is received shall determine your eligibility to drop the class and/or receive any related refunds.

Students may not drop (withdraw from) a class after the Class Withdrawal Date. This date is published in the class schedule. It is usually the date on which 75 percent of the course instruction has occurred. Students dropping (withdrawing from) a class after the census date published in the schedule will receive a “W” grade for the class.

Administrative Withdrawal

The course instructor may drop a student from his/her class for excessive absences. Excessive absence is the point at which the faculty member feels that the student, due to absences, cannot successfully complete the course. The instructor is not, however,

required to drop the student. Excessive absences can cause the student to earn a failing grade.

If the faculty member drops (withdraws) a student, the student is awarded a grade of “AW” (Administrative Withdrawal). The instructor cannot drop a student after the Course Withdrawal Date. Students dropped through Administrative Withdrawal procedures do not receive a refund of tuition and/or fees.

Grading System and Options

You will receive a grade report for current semester courses at the end of each term. This grade report is mailed to your preferred mailing address. Reports are mailed approximately one week after the end of the academic term.

On the report, you will receive one of the following symbols for each course enrollment (unless officially withdrawn prior to the course census date):

Grade	Meaning	Quality Points
A	Excellent	4.0
A-		3.7
B+		3.3
B	Above Average	3.0
B-		2.7
C+		2.3
C	Average	2.0
C-		1.7
D+		1.3
D	Poor	1.0
D-		0.7
F	Fail	0.0
W	Withdrawal	-
AW	Administrative Withdrawal	-
AU	Audit	-
P	Pass	-
I	Incomplete	-
NG	No Grade Assigned	-
IP	In Progress	-



Fine dining chefs work with Colorado Mountain College Culinary apprentices in Beaver Creek.

Grading Options

You select your grade option at the time you register for classes. You may change your grade option up to the class refund/census date by contacting the registration staff at your campus. Most courses offer the three grading options described below.

Letter Grade Option

If you do not clearly express your desire to be evaluated using one of the grading options outlined, you will be automatically evaluated using the letter grade option. These grades are listed (A-F) under the Grading System and Options section in this chapter.

Audit Option

Students selecting the Audit Option receive an "AU" as the final grade. This means only that the student registered for the course. Audit students are not required to submit papers or take exams, but all risk management and student conduct requirements still apply. Students registered under this option earn no quality points or credit hours. Students cannot meet prerequisite requirements through this grade option. Students registered under the course audit option may re-take the course for credit later.

Pass/Fail Option

If you select the Pass/Fail Option, you will receive a "P" for the class if you earn the equivalent of a "C-" or better for the course. Likewise, an "F" is assigned if you earn a "D+", "D", "D-", or "F".

Although all courses are available through this option, only 20 percent of all courses used to meet degree/certificate requirements can be earned through the Pass/Fail Option. Courses awarded by standardized national exams, i.e., CLEP, AP, DSST (DANTES), IB or Excelsior College Exam, are given a "P" grade and are not included in the 20 percent calculation. Courses of .5 credit hours or less must be graded with the Pass/Fail Option.

Short workshops (.5 credits or less) are only available through this grading option. You must register for these courses through the Pass/Fail or Audit Options.

Grade Appeals

Evaluating student academic performance and assigning grades is one of the main professional responsibilities of the faculty. The student may, however, appeal an assigned grade if he/she has evidence indicating that the grade was awarded in a capricious manner. Capricious grading is defined as one or both of the following:

1. The faculty member used criteria other than performance in the course.
2. The standards used to assign the final grade deviated substantially from the standards announced and/or were not uniformly applied to others in the class.

Please note, simple disagreement with the subjective judgment of the instructor does not support the charge of capriciousness.

Students wishing to appeal a grade must first discuss the grade assignment with the instructor. If the matter is not resolved, a written notice of appeal must be submitted to the Chief Executive Officer of the Colorado Mountain College campus that offered the class. This notice of appeal must be received within 30 days after the first day of classes for the following term.

Tuition and Other Costs

A college education is one of the most important investments you will make. Colorado Mountain College is committed to providing access to everyone who can benefit from a program of higher education.

The cost of attending Colorado Mountain College varies depending on residency status, program of study, housing status, and other services needed. The following section covers general tuition and fee costs you may expect by attending Colorado Mountain College during the 2011-2012 academic year.

Standard Tuition Rates

The chart below lists in-district, in-state, and out-of-state tuition rates for a single credit and 15-18 semester credits. You can take an additional three credits above the 15 for no extra cost. If you choose to take more than 18 credits, however, you will be charged per credit as listed below:

Classification	Rate per credit	Total for 15 credits per semester
In-district students	\$53	\$795
In-state students	\$89	\$1335
Out-of-state students	\$279	\$4185

See the Residency Classification section earlier in this chapter for information about in-district and in-state classification.

Out-of-State Resident Tuition Rates

These students are allowed to register for up to three credits per semester at a rate equivalent to our industry rate (\$101 per credit hour), or they may enroll in one 4 or 5 credit course at this rate. (Students cannot take a series of courses that add up to either 4 or 5 credits with this rate.)

If an out-of-state resident student takes more than the allowed number of credits within one semester, all credits (including the original credits) will be charged at the regular out-of-state rate.

Industrial Tuition Rate

The industrial tuition rate enables Colorado Mountain College to provide educational services for local tax-paying businesses without penalizing them for employees who do not meet state residency requirements. Under this classification, tax-paying employers will pay \$101 per credit hour for employees who are out-of-state residents involved in job related training activities.

Senior Grant Tuition Rates

Colorado Mountain College provides grants for 50 percent of the tuition charge for district residents who are 62 years old or older. This policy applies to credit courses only.

Miscellaneous Charges and Fees

This section summarizes miscellaneous charges and fees that are levied in addition to standard tuition rates.

Fee	Cost
Bad Check	\$25 per occurrence
Library fines	(vary)
Graduation fee	\$20
Official Transcripts	\$2 to \$10

Buying Textbooks

Textbooks are required for most courses and are available through each campus or book company. Textbook costs vary by course and program.

Textbooks for all distance learning courses and courses at some other campuses are purchased through the Follett Virtual Bookstore.

Information is available at: www.coloradomtn.edu, www.colorado.mtn@fvb.com, or by phone at 800-621-4088.

Program Fees

Because of special requirements for laboratories and specialized equipment and materials, several programs carry supplemental fees in addition to other instructional costs. These are called program fees. Some programs also require you to purchase professional equipment. Check with your campus advisor to determine if program fees apply to your course of study.

Cost Summary Table

This table offers a side-by-side comparison of most conceivable costs and fees associated with attending a community or residential campus.

Because many of our campuses are located in resort communities with high rent and food costs, the residence hall with food service, at \$7928 for eight months is an affordable option for full-time students.

Product or Service	Community Campus	Residential Campus
Two 15-credit Semesters (in-District tuition)	\$1590	\$1590
Food Service (19 meal/wk plan for two semesters)	N/A	\$3768
Residence Hall (double occupancy, two semesters)	N/A	\$4160
Student Activity Fees (two semesters)	N/A	\$180
Books & Supplies (avg. for two semesters)	\$800	\$800
Graduation Fee	\$20	\$20
<i>Grand Total</i>	<i>\$2410</i>	<i>\$10518</i>

Student Activity Fees

All residential campuses provide a variety of student activities planned and supervised by student government and the Student Activities Coordinator. Dive into a pool party, take a special ski trip, catch a comedy act or just enjoy life at Colorado Mountain College. Your student fees pay for these activities. If you attend these campuses, you must pay student activity fees. The amount varies by campus and by the number of hours for which you are enrolled each semester.

Credit Hours	Steamboat Springs	Leadville	Glenwood Springs/Spring Valley
6-8.5	\$65	---	\$65
9-11.5	\$90	\$55	\$90
12+	\$90	\$90	\$90

Note: all students living in the Glenwood Springs - Spring Valley residence halls are required to pay student activity fees.

Course Specific Fees

Course specific fees are assigned to certain courses and help cover the cost of additional materials. Course fees can be found in the semester class schedules.

Payment Plan

Paying for the rising costs of a college education is a concern for most everyone. Colorado Mountain College offers a number of different options for obtaining financial assistance with these costs. Among them are a payment plan, grants, scholarships, loans and work study options.

Colorado Mountain College has partnered with Nelnet Business Solutions to offer our students a plan in which payments can be spread throughout the semester. This is not a loan program, there are no interest or finance charges assessed and there is no credit check. The cost to budget your interest-free monthly payment plan is a \$25 per semester non-refundable Nelnet enrollment fee. Payments are made either through pre-approved bank to bank transfers or through your credit card. More information about this program can be found at www.coloradomtn.edu, then select the "New Students" tab, then "Paying for College" then "Payment Plan". Payment schedules vary by semester, please contact the location you plan to attend for specifics.

Living On Campus

Food Service Choices and Costs

A variety of food service options are available at all three residential campuses. When you live in college housing, you will automatically participate in the food service program. Others may purchase food services through a meal program or a la carte. All three campuses offer a flexible selection of meal plans to suit your schedule and appetite. Prices are subject to change annually.

2011-2012 Food Service Costs per semester:

Campus	Meals	Cost
Steamboat Springs	19	\$1884
Glenwood Springs-Spring Valley	23	\$1984
Glenwood Springs-Spring Valley	19	\$1884
Glenwood Springs-Spring Valley	14	\$1784
Leadville	19	\$1884

Housing Choices and Costs

All of our residence halls are modern and comfortable, with high speed Internet access and private bathrooms. As long as you apply early, you will have an opportunity to choose or specify your ideal roommate and living situation, possibly even a single room. (Subject to availability.)

2011-2012 housing rates per semester for student housing at Steamboat Springs, Leadville, and Glenwood Springs at Spring Valley campuses are:

Occupancy	Costs
Double	\$2080
Single	\$3080

Prices are subject to change annually.

Housing Applications and Deposits

To live in college-owned housing facilities, you must submit both the Housing and Food Service Agreement and the required deposit to the appropriate campus housing office to reserve space in the residence hall. Housing is limited and can fill quickly. If you plan to live on one of these campuses, it is in your best interest to apply for admission early to allow time to receive, complete, and return the housing reservation form and \$300 deposit.

Housing and Food Service Agreements are available on the CMC website under Quicklinks, then Applications, then Forms. These forms are also mailed following all letters of acceptance to applicants for the Steamboat Springs, Leadville, and Glenwood Springs at Spring Valley residential campuses. Your housing reservation form must be accompanied by a \$300 deposit.

Steamboat Springs, Glenwood Springs at Spring Valley, and Leadville campuses require all new students under age 21 to live on campus in the residence halls during the first year. This is designed to assist your transition to college and increase your chances for success. Some exemptions apply to local students, those who have completed military service and students who have successfully completed a full year of college. Contact your campus Student Services staff or Central Admissions for details.

Residence Hall Computer Hardware Requirements

Network Configuration:

The ResNet will support any operating system that complies with industry standard TCP/IP communication protocols. The ResNet uses DHCP (Dynamic Host Configuration Protocol) to assign IP numbers to the computers. The DHCP option should be enabled on your computer's TCP/IP properties.

Windows Desktop or Laptop.

- Operating System Windows XP/Vista or Windows 7
- 10/100/1000 Base-T Ethernet Network Card minimum
- CAT 5 (Category 5) Cable with RJ 45 ends (9 to 15 feet long)
- Current up-to-date virus protection software

Macintosh Computer.

- OS X 10.5 Leopard w/latest updates installed
- 10/100 Base-T Ethernet Network Card minimum
- CAT 5 (Category 5) Cable with RJ 45 ends (9 to 15 feet long)
- Current up-to-date virus protection software

Refunds

This section discusses tuition and special charge refund policies.

Standard Class Refunds

You will receive a refund of tuition and fees for standard classes (classes which span a period longer than five days) if you drop the class within the first 15 percent of the semester (on or before the refund date). The refund date is published for each class in the semester class schedule.

To be eligible for a refund, you must submit a completed Add/Drop Form to the registration office at your campus. Lack of attendance does not constitute dropping a class. If you are unable to complete an Add/Drop Form, you must submit a written request to the registration office at your campus. It is your responsibility to ensure that the request is received by the registration office. The date of receipt of the request will be used to determine eligibility for refunds and/or final approval of the drop request.

No refund is given if a class is dropped after the refund date. If you are enrolled in a class that is cancelled, you will receive a 100 percent refund of tuition and fees.

Short Class Refunds

To receive a refund for a short class (one to five days in duration), you must submit the Add/Drop Form two working days prior to the first day of class. Working days are defined as Monday through Friday for this purpose.

Special Charge Refunds

Some courses may have special charges that are required for the course. These special charges are usually charged to cover expenses external to the college, and may have early refund dates or be non-refundable. Please check the class schedule for this information.

Finding Help

- **Financial Aid Overview, Applications, & Eligibility**
- **Scholarships**
- **Grants**
- **Loans**
- **Work-Study**
- **Accessibility Services**
- **College Libraries**
- **Counseling and Advising**
- **Developmental Education Program**
- **Student Health and Accident Insurance and Facilities**
- **Testing Services**
- **Veterans Benefits**

Financial Aid Overview, Applications, & Eligibility

Colorado Mountain College is committed to equal educational opportunity for all students. Staff is available at all campuses to help you with general information, application procedures, financial aid counseling and other related issues. If you have questions about financial aid, please call, e-mail, or write us at:

Colorado Mountain College

Office of Student Financial Aid
831 Grand Avenue
Glenwood Springs, CO 81601
800-621-8559 ext. 8338
E-mail: glewis@coloradomtn.edu

In addition to several loan options, Colorado Mountain College offers grants and over 50 different scholarships and work study opportunities, funded from both public and private sources. These are described in detail in the Scholarships, Grant Programs, Loan Programs, and Work-Study Programs sections. This section describes the Financial Aid application and eligibility determination process, and, if applicable, the award repayment process.

Financial Aid Application Process

Complete the Free Application for Federal Student Aid (FAFSA), online at www.fafsa.ed.gov.

Additional information may be requested before processing your information. Applications received before March 31 receive priority consideration for the following academic year. Need analysis information received after this date will be processed and students will be approved for assistance as funds are available. You are encouraged to complete the FAFSA even if you have missed the priority date.

Summer Semester Financial Aid Application Process

To request assistance for the summer term, you must submit a separate summer application and a Free Application for Federal Student Aid if you have not already completed one.

The summer application is available online after February 1. Funds are limited and may not be available in the summer. However, you may be eligible for a Federal Pell Grant or a student loan.

Transfer Student Financial Aid Application Process

Complete the FAFSA online, and add our code 004506.

Disbursement of Financial Aid

Financial aid in the form of grants, scholarships and loans will first be applied toward the payment of outstanding tuition and fees owed to the college. Financial aid awarded in excess of outstanding tuition and fees will be disbursed by check to you approximately two weeks into the semester.

Exception: For first time borrowers, disbursement of the loan funds will occur four weeks after the beginning of the semester. For students receiving a one-semester loan, two disbursements will be made. The first half will disburse two weeks after the semester begins; the second half will disburse four weeks later (six weeks into the semester).

Demonstrating Satisfactory Academic Progress

All students receiving federal and/or state-funded financial aid are required to meet certain standards to ensure that they are making reasonable progress toward obtaining a degree or certificate. In addition to maintaining a particular grade point average, students are expected to complete a minimum number of credit hours each semester. The number of

hours to be completed varies according to the student's enrollment classification. In addition, students have a maximum time frame in which to complete their degree. This standard applies to their entire academic career and includes transfer credits. Students failing to meet satisfactory academic progress guidelines may lose their financial aid.

A detailed Satisfactory Academic Progress Policy can be accessed at www.coloradomtn.edu.

Reestablishing Financial Aid Eligibility

Financial aid recipients must reapply each year to reestablish eligibility. You may use the Renewal Application available at www.fafsa.ed.gov.

Returning Title IV Funds

The law specifies how your school must determine the amount of Title IV program assistance that you earn if you withdraw from school. The Title IV programs that are covered by this law are: Federal Pell Grants, Direct Loans, PLUS Direct Loans, and Federal Supplemental Educational Opportunity Grants (FSEOGs).

When you withdraw during your payment period or period of enrollment (your school can define these for you and tell you which one applies) the amount of Title IV program assistance that you have earned up to that point is determined by a specific formula. If you receive (or your school or parent received on your behalf) less assistance than the amount that you earned, you may be able to receive those additional funds. If you received more assistance than you earned, the excess funds must be returned by the school and/or you.

The amount of assistance that you have earned is determined on a prorated basis. For example, if you completed 30 percent of your payment period or period of enrollment, you earn 30 percent of the assistance you were originally scheduled to receive. Once you have completed more than 60 percent of the payment period or period of enrollment, you earn all the assistance that you were scheduled to receive for that period.

If you did not receive all the funds that you earned, you may be due a post-withdrawal disbursement. If your post-withdrawal disbursement includes loan funds, your school must get your permission before it can disburse them.

You may choose to decline some or all of the loan funds so that you don't incur additional debt. Your school may automatically use all or a portion of your post-withdrawal disbursement of grant funds for tuition, fees, and room and board charges (as contracted with the school). The school needs your permission to use the post-withdrawal grant disbursement for all other school charges. If you do not give permission (some schools ask for this when you enroll), you will be offered the funds. However, it may be in your best interest to allow the school to keep the funds to reduce your debt at the school.

There are some Title IV funds that you were scheduled to receive that cannot be disbursed to you once you withdraw because of other eligibility requirements. For example, if you are a first-time, first-year undergraduate student and you have not completed the first 30 days of your program before you withdraw, you will not receive any FFEL or Direct loan funds that you would have received had you remained enrolled past the 30th day.

If you receive (or your school or parent receives on your behalf) excess Title IV program funds that must be returned, your school must return a portion of the excess equal to the lesser of:

1. Your institutional charges multiplied by the unearned percentage of your funds, or
2. The entire amount of excess funds.

The school must return this amount even if it didn't keep this amount of your Title IV program funds.

If your school is not required to return all of the excess funds, you must return the remaining amount. Any loan funds that you must return, you (or your parent for a PLUS loan) repay in accordance with the terms of the promissory note. That is, you make the scheduled payments to the holder of the loan over a period of time.

Any amount of unearned grant funds that you must return is called an overpayment. The maximum amount of a grant overpayment that you must repay is half of the grant funds you received or were scheduled to receive. You must make arrangements with your school or the Department of Education to return the unearned grant funds.

The requirements for Title IV program funds when you withdraw are separate from any refund policy that your school may have. Therefore, you may still owe funds to the school to cover unpaid institutional charges. Your school may also charge you for any Title IV program funds that the school was required to return. If you don't already know what your school's refund policy is, you can ask your school for a copy. Your school can also provide you with the requirements and procedures for officially withdrawing from school.

If you have questions about your Title IV program funds, visit Student Aid on the Web at www.studentaid.ed.gov.

Title IV Fund Repayment Order

A school must return Title IV funds to the programs from which the student received aid during the payment period or period of enrollment if applicable, in the following order, up to the net amount disbursed from each source"

1. Unsubsidized Direct Stafford loans (other than PLUS loans)
2. Subsidized Direct Stafford loans
3. Direct PLUS loans
4. Federal Pell Grants for which a return of funds is required
5. Federal Supplemental Educational Opportunity Grants (FSEOG) for which a return of funds is required.

Scholarships

Colorado Mountain College Foundation Scholarships

The Colorado Mountain College Foundation administers many privately-funded scholarships available both on a campus-specific and multi-campus basis. These scholarships are funded through the generous gifts of employees, staff members, family, friends, foundations, corporations and business and community partners. The awards are based on achievement, residency, financial need or career goals and do not have to be repaid.

For more information or to apply on-line for Colorado Mountain College Foundation Scholarships go to www.cmcfoundation.org. Additionally, you can find the Colorado Mountain College Foundation Scholarship

information in the annual Foundation Scholarship Brochure available at each campus or by calling the Foundation at 800-621-8559, ext. 8355.

Application Process. The Foundation Scholarship application deadline date is March 15, unless otherwise indicated. Award will be for the academic year following the deadline date. Any funds not awarded during the spring selection process will be available for award on a first come first serve basis throughout the academic year.

Colorado Mountain College Scholarships

Colorado Mountain College in partnership with the Colorado Mountain College Foundation, offers three scholarships to recognize and encourage students to begin or continue their educational pursuits. These scholarships are included in the Colorado Mountain College Foundation Scholarship brochure and also can be found at www.cmcfoundation.org.

Application Process. The Colorado Mountain College Scholarships require the same application as used for the CMC Foundation Scholarships. The application deadline date is March 15. Award will be for the academic year following the deadline date. Any funds not awarded during the spring selection process will be available for award on a first come first serve basis throughout the academic year.

Grant Programs

These funds do not have to be repaid. Colorado Mountain College offers federal, state, and privately-funded grants.

State Grant Programs

College Responsibility Program

These funds do not have to be repaid.

Eligibility. Demonstrate financial need, enrolled full time.

Award Amount. College Responsibility Program (CRP): Awards depend on availability of funding.

Application Process FAFSA (see the Financial Aid Application section).

Leveraging Educational Assistance Partnership (LEAP)

These funds do not have to be repaid.

Eligibility. Demonstrate financial need.

Award Amount. Leveraging Educational Assistance Partnership (LEAP): \$200 to \$2500 per year.

Application Process. FAFSA (see the Financial Aid Application section).

Federal Grants: FSEOG and Pell Grants

These funds do not have to be repaid.

Eligibility. Demonstrate financial need only for FSEOG and Pell.

Award Amount. Federal Supplemental Educational Opportunity Grant (FSEOG): \$4000 maximum. Federal Pell Grant: \$5550 maximum.

Application Process. FAFSA (see the Financial Aid Application section). Contact our Office of Student Financial Aid for more detailed information concerning the application process. Some Pell Grant money may be available for students attending less than half-time.

Richard C. Martin Grant

Funded by CMC. In the early 1960s, Dick Martin joined with others of his community to establish the Colorado Mountain College District. Once the college was established, Dick was elected to the Board of Trustees where he served for 14 productive years. When Dick retired from the board in 1984, his fellow board members established the Richard C. Martin Grant to help local young people pursue their education.

Eligibility. Student does not need to be a high school graduate but must have attended high school in the Colorado Mountain College District, meet in-district residency requirements and complete associate degree requirements at Colorado Mountain College within five years following initial enrollment at the college. Courses completed while the student is still enrolled in high school are not eligible for this grant. The student must complete a two-year degree program at Colorado Mountain College before he or she is eligible to receive the Richard C. Martin Grant to assist in completing the remaining two years of a baccalaureate degree at a four-year institution.

Award Amount. The grant amount is determined annually by the Board of Trustees and will approximate the cumulative amount of tuition paid by the student for credit received while attending Colorado Mountain College.

Application Process. The application for the Richard C. Martin Grant is available from any campus or center at the time of admission to Colorado Mountain College. The application may be completed at any time during the first semester in which you are enrolled and within two years of your high school graduation. Contact the Colorado Mountain College Financial Aid office for more information.

Loan Programs

Colorado Mountain College participates in the Direct Loan program, including the Federal Stafford loan and Federal Parent (PLUS) loan.

Federal Direct Parent Loan (PLUS Loan)

These funds must be repaid.

Eligibility. Parent's credit.

Award Amount. Cost of attendance minus estimated financial assistance.

Application Process. See the Financial Aid Application. Parent Borrower form online.

Subsidized Federal Direct Stafford Student Loan

These funds must be repaid.

Eligibility. Demonstrate financial need.

Award Amount. \$3500 first year. \$4500 second year. \$5500 remaining undergraduate years.

Application Process. FAFSA (see Financial Aid Application Processes).

Unsubsidized Federal Direct Stafford Student Loan

These funds must be repaid.

Eligibility. Not need based.

Award Amount. \$5500 first year. \$6500 second year.

Application Process. FAFSA (see Financial Aid Application process). Separate loan application required for Direct and PLUS loans. Contact our Office of Student Financial Aid for more detailed information concerning the application process.

Work Study Programs

Work-Study funds are funds that are not applied toward tuition; they are paid to the enrolled student while employed by Colorado Mountain College. There are two types of work-study: Federal College Work-Study (FCWS) and Colorado Work-Study.

Federal College Work-Study (FCWS)

Eligibility. Demonstrate financial need. (Some students who do not show financial need may qualify for the Colorado Work-Study program.)

Award Amount. Federal College Work-Study (FCWS): Students can earn \$1500 to \$3000 per year. Work-study funds are not applied toward tuition.

Application Process. FAFSA (see above). The Immigration Reform and Control Act of 1986 requires college work-study students to provide documentation of employment eligibility. Contact the Office of Student Financial Aid to find out which documents you will be required to submit.

Colorado Work-Study Program

Eligibility. Demonstrate financial need. (Some students who do not show financial need may qualify for the Colorado Work-Study program.)

Award Amount. Colorado Work-Study Program: Students can earn \$1500 to \$3000 per year. Work-study funds are not applied toward tuition.

Application Process. FAFSA (see above). The Immigration Reform and Control Act of 1986 requires students to provide documentation of employment eligibility. Contact the Office of Student Financial Aid to find out which documents you will be required to submit.

Accessibility Services

This section describes the variety of methods we use to foster educational access and success at all Colorado Mountain College campuses. Accessibility, or supplemental, services are available to students with an identified disability. These services include instructional support such as note taking, extended time or oral testing, proofing written work, interpreting, books on tape, and tutoring. Special equipment may be provided upon request. Please read the following section and contact the Disability Services Coordinator for assistance.

Support Services for Students with Disabilities

Colorado Mountain College (CMC) is committed to assisting students with disabilities become successful in their academic programs. In addition to receiving the support needed to complete your chosen area of study and enhance your basic academic skills, we are committed to equal access in the classroom while preserving the integrity of the course objectives.

Students who are seeking support services from CMC on the basis of a diagnosed disability are required under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Amended Act of 2009 to submit documentation to verify eligibility. Protection under these civil rights statutes are determined on a case-by-case basis and is based upon documentation of a disability that currently and substantially limits some major life activity including learning.

CMC offers many services to its students with disabilities. Eligibility for these services is determined individually based on a documented need. Services can include:

- Pre-admission advising and new student orientation
- Academic accommodations
- Academic advising and registration assistance
- Testing accommodations
- Note taking assistance
- Alternate formats for printed materials
- Sign language interpreters and assistive listening devices
- Assistive technology
- Residential accommodations available at Alpine, Spring Valley and Timberline Campuses

For more information concerning Disability Services, please contact:

Alpine and Vail/Eagle Valley Campuses
Deb Farmer at 970-870-4450.

West Garfield, Aspen, and Roaring Fork Campuses:
Dr. Anne Moll at 970-947-8256.

Timberline, Summit, and Chaffee County Campuses:
Sandi Conner at 719-486-4200.

College Libraries

This section summarizes the two primary library types and library services available at Colorado Mountain College.

Library Contact Information

Alpine Campus Library - 970-870-4445

Roaring Fork Campus - Quigley Library - 970-947-8271

Timberline Campus Library - 719-486-4249

Virtual Library - 970-453-6757 ext. 2629 or reference@coloradomtn.edu.

Traditional Libraries

Colorado Mountain College has three traditional libraries located on residential campuses in Glenwood Springs, Leadville, and Steamboat Springs. It also has a Virtual Library which can be found at www.coloradomtn.edu/library.

The three traditional libraries offer an extensive collection of books, journals, magazines, maps, government documents, and course reserves. They also offer a variety of services, including research assistance and the Interlibrary Loan service.

Additional information about the three traditional CMC libraries can be found at www.coloradomtn.edu/library.

Virtual Library

The Virtual Library has its doors open 24/7, providing access to thousands of online journals and newspapers, books and art images, downloadable videos and audio books, career resources and practice tests. The Virtual Library supplements its digital collection with a free Interlibrary Loan service, leaving no materials outside of your reach. Research consultation services are offered online and in person.

Counseling and Advising

This section describes the counseling and advising services available at Colorado Mountain College.

Career Planning

College Counselors provide individual and group career counseling sessions. A variety of tests are offered to help you evaluate your interests, aptitudes and abilities. A comprehensive job information library is also available.

Career and Personality Guidance Testing

Student services staff use a variety of testing instruments to help you through the career/life planning process. The CHOICES system is available at all locations. This instrument measures and correlates interests, abilities, and values across various occupational categories. The Strong (Interest Inventory), and Myers-Briggs (Personality Inventory), and COP System (Career Planning) are also offered at some locations. Contact your College Counselor for more information.

Educational Advising

A successful education begins with advising. We strongly recommend that you seek out an Advisor before registering to develop a meaningful and successful program of study. College Counselors and Faculty Advisors can introduce you to the full range of programs and services offered by Colorado Mountain College and tailor them to your educational and occupational goals.

It is also important to work closely with your Advisor/Counselor to ensure successful transfer of your credits to four-year institutions. Don't hesitate to ask a College Counselor, Advisor or Disability Services Coordinator for help as questions arise.

Personal Counseling

College Counselors are prepared to assist with personal problems. These Counselors work with several professional agencies and will refer you to these agencies if necessary.

Student Support Services - Success Center

(SSS) is a federally-funded TRIO program designed to assist students who are low-income (with an income meeting federal guidelines for the program), who come from a family where neither parent has a baccalaureate four-year degree, and/or who have a documented disability.

The Student Support Services Centers are available to students at CMC - Steamboat Springs, CMC - Glenwood Springs, CMC - Leadville, CMC - Rifle, and CMC - Edwards.

The purpose of the program is to help students successfully complete their educational goals. The objectives of the Colorado Mountain College Success Center are to increase retention, graduation, and transfer rates for students enrolled in the program.

Some of the services available to students in achieving academic success include tutoring, career advising, study and life skills workshops, transfer services, help finding and applying for appropriate financial aid, obtaining supplemental grant aid, and advocating on the student's behalf with faculty, staff, and other students.

Developmental Education Program

The Developmental Education program is designed to help you achieve the most from your college education. Here are some resources that can assist you:

Accuplacer assessment at the beginning of your first semester will make sure you are placed in classes that best meet your needs. We offer Accuplacer assessments in math, reading and English. Please contact the campus you are interested in attending for more information.

See Accuplacer Assessment under Testing Services for more information.

College preparation courses are available in math, reading, English and study skills to help you prepare for college-level work.

Learning labs are a great resource to support you in being successful at CMC. Learning labs offer help in math, reading, writing class assignments, GED preparation, studying to take the Accuplacer, and college-level courses. Work at your own pace and level in small groups or one-on-one with tutors or instructors in the areas you need help in.

English as a Second Language (ESL) classes are offered at most CMC locations. These courses are designed for English Language Learners from beginning through advanced who want to improve their skills in reading, writing, speaking, and listening in English. The emphasis is on life skills needed for adults living and working in the CMC service area. Please contact the nearest campus for class schedule information.

General Educational Development (GED)

General Educational Development (GED) test preparation classes and testing are available at CMC. We can help you prepare for the GED test through our GED prep program and when you're ready to test,

you can test with us too. Please contact the campus nearest you for more information.

The GED exam consists of five tests (writing skills, social studies, science, reading and mathematics). GED preparation classes are provided at many of our campuses. After successfully completing the exam, you will receive a Colorado High School Equivalency Certificate from the State of Colorado Department of Education. Some campuses offer the GED exam in Spanish. For more information, contact the nearest campus.

The Gateway Program

The Gateway Program is an educational training and employment program that helps single parents achieve their personal and career goals for those living in Garfield, Eagle and Pitkin counties.

The Wo/Men in Transition Scholarship is a fund that can help with the cost of tuition and books for college. To be eligible for this scholarship, you must meet the following criteria:

- Be a single parent with at least one child at home
- Live in Garfield, Eagle or Pitkin counties
- Attend or plan on attending CMC
- Not be eligible for Pell Grant funding
- Be in good standing (GPA of 2.5 or better) if you are currently attending CMC.

For more information on how to apply for this scholarship, please contact Jill Ziemann, Director of the Gateway Program, at 970-384-8518.

Student Handbooks

Handbooks for students serve as essential resources of information and support options. In addition to providing detailed information about residential life, disability services, and various support services, the handbooks also contain information about Student Rights and Responsibilities and processes for filing complaints. Go online to the college web page, click on Student Services, then click on Handbooks to find the Student Handbook, Residence Hall Handbook, and A Transition Guide for Students and Parents (Disability Services).

Student Health & Accident Insurance & Facilities

Insurance Coverage for Full-Time Students

Students enrolling in six or more credit hours at Colorado Mountain College are expected to have some type of health insurance coverage. We are pleased to be able to offer a comprehensive group health and accident insurance program for those who do not have their own coverage. Students and parents are encouraged to read the insurance brochure carefully to determine if this program meets their needs. Policy options as well as associated fees are listed at the website www.acsa.com under the link to Colorado Mountain College. Students who want to have the student health insurance coverage must enroll in the insurance program at the time of registration for the semester.

Alpine Campus Student Wellness Center

CMC Alpine Campus Student Government provides a Student Health Center and a Student Mental Health Center for students through allocation of student activity fees. These services are available at no additional charge for students taking six or more credit hours (fee paying students). Students are seen by a Physician Assistant on a walk-in basis in the Student Health Center; no appointment is necessary. The hours are posted for approximately 12 hours per week of availability. A flu vaccine, typically free for full time students, is offered in the fall.

A Colorado West Mental Health Counselor is available in the Student Mental Health Center by appointment or during limited walk-in hours.

Testing Services

Check with your local CMC site for our College Counselors. They will help you with your testing needs. The following section summarizes those services.

American College Testing (ACT)

The ACT is used as an entrance requirement by many colleges. All registration for ACT is handled through the ACT website at www.act.org.

Accuplacer Assessment

Accuplacer is an assessment tool used by CMC to determine the appropriate level at which students will be placed in math, reading, and English prior to registration. If a student has not taken the ACT or SAT, or does not have prior college-level coursework, they are encouraged to seek assistance from an Advisor or College Counselor for Accuplacer review options and study guide resources.

The Accuplacer scoring process counts all unanswered items as incorrect. The Accuplacer test is not timed. A calculator is not to be used. On the higher-level math courses, a calculator will automatically appear when it is acceptable to use.

Research on Colorado's assessment programs indicate that new students who follow assessment-related advice have a much higher chance of academic success than those who do not follow such advice.

Retesting

For the reading and English portions of the Accuplacer, students may retest once per subject per semester and must provide documentation of review of subject matter prior to retesting, after a minimum waiting period of one day. The highest score will be used.

For the mathematics portion of the Accuplacer, a student may retest once per semester with documentation of review of the subject matter prior to retesting, and after a minimum waiting period of one day until he/she has attended his/her first math class. Once a student has begun his/her math course sequence, then he/she will not be permitted to retake the Accuplacer to skip or place in a higher math course. If the student wishes to skip or place in a higher math course after he/she has begun the course sequence, then with permission from the student's current math instructor or an Advisor, the student may take an alternative math placement exam. Please see your Counselor for complete retest information.

The assessment/placement tests measure current academic skills in particular subject areas. Since current academic skill is at least in part dependent upon recency and current experience, placement test scores will be valid for no longer than two calendar years from the date of the test. Students who wish to enroll into

courses in the placement disciplines will need to retest if their scores are more than two years old and they have not already taken a course in the discipline. Students who have satisfactorily completed a course in the discipline may enroll in the next course in the sequence without retesting.

College-Level Examination Program (CLEP)

CLEP exams allow you to earn credit by examination. See the awarded vs earned credit section of this catalog for more information.

There are five General Examinations (English composition, humanities, mathematics, natural sciences, and history) and over 30 Subject Examinations. You may earn from one to six semester hours of credit for satisfactory scores on each exam. See your Student Services Counselor to discuss your CLEP options and associated fees.

General Educational Development (GED)

The GED exam consists of five tests (writing skills, social studies, science, reading and mathematics.)

After successfully completing the exam, you will receive a Colorado High School Equivalency Certificate from the State of Colorado Department of Education. In addition to preparing students for the GED, Colorado Mountain College offers a combination English as a Second Language (ESL) and GED preparation program at many campus locations. Check with your local CMC site to see if the GED in Spanish is given.

Law School Admissions Test (LSAT)

The LSAT is the standard exam required for admission to law school. It is offered once each year at the Vail/Eagle Valley Campus, usually in late fall.

Miller Analogies Test (MAT)

The Miller Analogies Test (MAT) is a high-level analytic ability test requiring the solution of problems stated as analogies. Most of the analogies on the MAT are verbal analogies, and a few are quantitative. The test consists of 100 partial analogies that are to be completed in 50 minutes.

Contact List of Educational Assessment Tests

The table below lists contact information for several educational assessment tests. Many of these are offered at a Colorado Mountain College location. Some of these tests are offered via computer.

**Hosted at a Colorado Mountain College location. Call testing organization or check their website for time and campus.*

Test	Registration Phone	Website
ACT*	319-337-1270	www.act.org
GED	CMC Counselor	www.coloradomtn.edu/contact.html
GMAT	800-717-4628	www.gmat.org
GRE	800-290-5992	www.gre.org
LSAT*	215-968-1001	www.lsat.org
PLACE	413-256-2885	www.place.nesinc.com
TOEFL	609-921-9000	www.toefl.org
SAT*	690-921-9000	www.sat.org
CLEP	CMC Counselor	www.collegeboard.org

Veterans Benefits

Most degree programs offered through Colorado Mountain College are approved for veterans' educational benefits.

Because the application and approval process takes an average of 60 to 90 days, come prepared to personally meet all educational and living expenses for at least three months.

All students receiving assistance from the Veterans Administration and/or state funding agencies must comply with current regulations, including regulations related to satisfactory course progress, attendance, and reporting of previous educational training to the funding agency.

The Veterans Administration approves work experience courses for V.A. Educational Benefits only if the course is required of all students earning the specific degree or certificate. Please be sure to read the degree/certificate requirements carefully.

Moving On

Moving On:

- **Graduation Requirements**
- **Requesting CMC Transcripts**
- **Transferring CMC Credits**
- **Statewide & Program Specific Transfer/ Articulation Agreements**
- **Student Privacy, Records & Rights**
- **Alumni: Staying in Touch**

As much as you'd like to stay at CMC, you will eventually need to move on. This chapter tells you how to submit a graduation petition, request transcripts, transfer credits to another college and stay in touch long after you have left us. If you want to understand graduation, transfer and privacy policies, have your records sent to a four-year university, or contact other CMC alumni, you'll find that information here.

Graduation Requirements

Graduation requirements for each degree and certificate program are outlined in the Associate of Arts and Sciences and Occupational Degree and Certificate sections of this catalog. The catalog that is current at the time you begin a program will be used to establish graduation requirements. See Catalog In Force Requirements for more information.

Earning Additional CMC Degrees

If you already have a Colorado Mountain College degree, you must earn at least 15 additional credits, not already applied to the first degree(s), and fulfill all of the degree requirements of the subsequent degree(s).

Continuous Enrollment Policy

Continuous enrollment for this purpose is defined as the successful completion at Colorado Mountain College of at least three credit hours, which are applicable to the program requirements including any developmental courses required, within the previous three semesters including the summer semester.

You also have the option of selecting the catalog that is in force at the time you apply for graduation. For more information, see Catalog in Force/Catalog of Record, under Academic Policies in the chapter entitled "Courses."



You must submit your petition for graduation during the semester prior to the semester in which you want to graduate.

Petition for Graduation

When completing an associate degree or certificate of occupational proficiency program, you must submit a graduation petition. This petition must be submitted during the semester prior to the semester in which you plan to graduate. If you choose to participate in the commencement ceremony a \$20 fee is required. All financial obligations to the college must be fulfilled prior to graduation.

Higher Education Admission Requirement (HEAR)

Students graduating high school in 2010 and beyond must have the following requirements:

Academic Area*	2010+ Graduates
English**	4 years
Mathematics (Must include Algebra I, Geometry, Algebra II or equivalents)***	4 years
Natural/Physical Sciences (two units must be lab-based)***	3 years
Social Sciences (at least one unit of U.S. or world history)	3 years
Foreign Language	1 year
Academic Electives****	2 years

* CCHE, CDE and School Districts are developing standards for alternative demonstration of proficiency to be accepted in lieu of course completion. For course guidelines see paragraph 4.01 of the *Admissions Standards Policy*.

** Two units of ESL English may count for HEAR requirements when combined with two units of successfully completed college preparatory English.

*** College-preparatory ESL mathematics/science courses that include content and academic rigor/level comparable to other acceptable courses may satisfy HEAR requirements.

**** Acceptable Academic Electives include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses.

Combining Transfer Credit with CMC Credit

You may meet graduation requirements by combining Colorado Mountain College courses (or credit awarded through non-traditional means) and transfer credit. A minimum of 15 college-level credit hours must be earned at Colorado Mountain College. Awarded or non-traditional credit may not be used to fulfill this requirement.

You may be authorized to complete a degree awarded by Colorado Mountain College after transferring to another institution. This option must have prior written approval from the appropriate Instructional Dean and the Registrar. If you request this option for awarding an A.A., A.S., A.G.S., or A.A.S. degree, you must have earned a minimum of 45 credit hours of course work at Colorado Mountain College.

Please see the "Definition of Awarded and Earned Credits" section for more information.

Graduating from Discontinued Programs

Colorado Mountain College will not award a degree or certificate for a program that is completed more than 24 months after the program is discontinued by the college. Students must maintain contact with their major department for information concerning deadlines.

Requesting CMC Transcripts

Transcripts that include the current semester will be available approximately one week after classes end. However, copies of records, including transcripts, may be withheld because of outstanding financial obligations to Colorado Mountain College.

Please allow adequate processing and mailing time if transcripts are to be sent to other institutions.

Transcript requests must have the following:

- Name and any names attended under
- Student ID or Social Security number
- Dates attended
- Campuses attended
- Student's Current Mailing Address
- Where mailing or faxing transcripts to (Name of institution, to who's attention, address, and fax number)
- Student's Signature and date

Only official transcripts, being sent to a college or university, may be ordered by the student, parent, or spouse via telephone at 970-947-8330.

All other transcripts requests must be submitted with the student's signature; mailed, delivered, or faxed to the following:

Colorado Mountain College
 Transcript Department
 831 Grand Avenue
 Glenwood Springs, CO 81601
 FAX: 970-947-8387
 Transcript Hot line: 970-947-8486

Transcript Sent:	Cost
To other educational institution	Free
To non-educational institution	First 5 Free, \$2 each thereafter.
Faxed within U.S.	\$5
Faxed Internationally	\$10

Transcript Request Form

Please download the Transcript Request Form PDF, fill it out and fax or mail per the instructions on the form. If you need help, please contact the CMC Service Desk Monday thru Thursday, 7:30 am - 10 p.m. and Friday, 7:30 am - 5 p.m., at 970-947-8438 or 866-642-0495. Or e-mail the CMC Service Desk at servicedesk@coloradomtn.edu.

Faxed Transcripts

Colorado Mountain College does not accept transcripts received by fax. Students may, however, need to have their transcripts faxed elsewhere. Students should check with the receiving institution to determine if they will accept faxed transcripts. The fee for faxing transcripts within the United States is \$5.

We will fax transcripts outside the United States, but cannot accept responsibility for getting the call delivered. We will only attempt to fax during regular business hours. Transcripts faxed outside the United States are \$10 per destination. Copies of records, including transcripts, may be withheld because of outstanding financial obligations to Colorado Mountain College.

Non-Credit

Prior to summer 2003, non-credit courses did not appear on the students' academic record. Currently, there is a special non-credit transcript available upon request.

CEU Transcript

Starting with the 2005 fall semester, students who took a CEU designated course will have a CEU transcript listing those courses.

Grades and Other Codes on Transcripts

If you officially drop a course prior to the class census date (usually defined as the completion of 15 percent of the course instruction), the class will not appear on your transcript. If you drop after the census date but before the Class Withdrawal (drop) Date (usually defined as the completion of 75 percent of the course instruction), a "W" will be assigned for the class. Students enrolled in a class after this date must receive an evaluative or Audit grade ("A" through "F", "P" or "AU"). Please see the registration section, "Course Withdrawals" for required procedures for dropping a class.

"W" – Withdrawal: A "W" is assigned if the student officially drops a class after the census date.

"AW" – Administrative Withdrawal: If a student is withdrawn from a course by the faculty member or other college administrator, a symbol of "AW" is assigned for the course.

"I" – Incomplete: An "I" indicates that the course objectives are not yet fulfilled. It is the responsibility of the student to request, if needed, the assignment of an incomplete grade by the instructor. The instructor's decision to authorize or not authorize an incomplete grade is final. Arrangements concerning the completion of the course work must be made with the faculty member prior to the assignment of the "I" grade. This agreement must be written on an Incomplete Course Form. The faculty member may allow up to one semester (not including summer) to complete the course requirements. Work must be completed in sufficient time for the grade change form to be received by the Registrars Office prior to the end of the semester date printed in this catalog. Those grades that are not changed by the end of the semester will automatically become failing grades ("F").

"IP" – In Progress: The IP grade is awarded to the student enrolled in AAA-010 who actively participates in the full course and makes significant effort to learn the materials. He/she must be making at least average progress, but has not reached the level necessary to be awarded a passing grade for the course and therefore not allowed to move to the next level.

"AU" – Audit: An "AU" will be assigned for courses that are audited. This symbol verifies only that the student registered for the class. The student is not required to regularly attend the class or to be evaluated.

"NG" – No Grade: Occasionally, emergencies cause an instructor to be delayed in reporting grades for a class that has been completed. While awaiting the reporting of the grades, the temporary symbol of "NG" is assigned.

" * " – Grade Removed by Appeal: This symbol is entered if the grade originally assigned by the instructor is removed by the Grade Appeal Committee. The course remains on the transcript only as a historical record.

Grades for Repeated Courses: Courses are designated by the college as repeatable or non-repeatable. When you retake repeatable courses, the grade, credits, and quality points earned for both courses will be counted in your cumulative grade point average.

Non-repeatable courses may be retaken, but only the grade and credits earned in the most recent enrollment will be counted in your cumulative record. The first registration in the course remains on your transcript with an "R" next to the grade.

Non-Traditional Credit. Colorado Mountain College awards credit through national standardized exams, challenge exams, and credit for life experience. To be awarded credit, students must be currently enrolled in a degree or certificate program. Credits posted to a students' academic record through one of these non-traditional methods are noted indicating the method by which they were awarded.

Transferring CMC Credits

This section of the catalog describes the transfer policies pertaining to the Colorado State Guaranteed Course Transfer, as well as program-specific and school-specific transfer policies.

Because policies related to credit transfer are continually evolving, we strongly recommend close and ongoing communication with your Academic Advisor to ensure a smooth transfer of credits, at both CMC and the receiving institution.

For the latest list of Colorado State Guaranteed General Education Courses and participating institutions, <http://higher.edu/colorado.gov/academics/transfers>.

See the Colorado Mountain College Advising page at www.coloradomtn.edu/advising for contact information and advice.

General Education Transfer FAQs

1. Where can I find a list of approved general education courses that apply to the statewide guaranteed transfer program?

<http://www.highered.colorado.gov/academics/transfers>.

2. Since there is a list of approved general education courses guaranteed to transfer statewide, does this mean that if I take these courses I am guaranteed admission if I apply to transfer to another Colorado public institution?

No. There are separate admission policies approved by the CDHE for first-time and transfer students for all public higher educa-

tion institutions in Colorado. The statewide guarantee applies to general education courses successfully completed (grade C or better) upon acceptance for transfer.

The Business and Engineering degrees have additional admissions requirements. Please check with the receiving institution.

3. What is the advantage of completing my community college degree requirements under the new statewide transfer policy?

By finishing your AA or AS degree requirements before transferring to a public four-year institution in Colorado, you may expect to be able, upon acceptance, to transfer 60 community college semester credits and enter the four-year institution with junior standing. In liberal arts and science majors, you will be able to finish a BA or BS degree with 60 additional credits at the transfer institution. In other words, if you complete an AA or AS degree program with 35-37 credits of state-guaranteed general education, all of your course credits (up to 60 hours) that applied to your degree requirements for the community college degree will be guaranteed to transfer, upon acceptance, to a four-year college or university. Please see a CMC Advisor for further information.

4. What if I change my major while enrolled in a public higher education institution in Colorado?

If you change your major between two liberal arts and sciences programs, the same general education guarantee applies. However, students who change their major after the first 60 hours accept the responsibility that this decision may require additional courses.

5. What if I took a general education course that was not guaranteed to transfer until after I completed it? Will I still be able to transfer the course?

Yes, with certain restrictions:

A. If you FINISH the AA or AS with 35-37 state guaranteed general education course credits completed, the non-state guaranteed general courses will transfer under the 60+60 concept.

B. Non-state guaranteed general education courses may transfer. This decision is at the discretion of the receiving institution; but it is highly likely that these courses will transfer.

6. If I am thinking of transferring, where can I find out about another college's degree requirements?

See CDHE's website at <http://higher.colo-rado.gov/academics/transfers> for additional information or www.collegeincolorado.org.

Credit Transfer Requirements

Only academic courses completed with a "C" grade or better will be accepted for transfer. Students who have earned scores of three or better on Advanced Placement tests, or four or better on high-level International Baccalaureate tests will be awarded credit that will count toward graduation.

General education requirements can be completed while a student is in high school, but credit is not granted for college business courses taken this way.

If you do not complete the AA or AS degree in its entirety, your courses will be evaluated on a course-by-course basis. Individual courses may transfer, but the full, 60-credit transfer will not be guaranteed.

Colorado public four-year higher education institutions will honor the full transfer of an Associate of AA/AS degree earned at Colorado Mountain College. When you earn an AA/AS degree at Colorado Mountain College, completing the State Guaranteed General Education Courses with a grade of "C" or better in each course applied to the degree, you will transfer with junior standing into any arts and science degree program offered by a Colorado public four-year college.

You should be able to complete your AA/AS degree program in no more than 60 credit hours and your baccalaureate (four-year) degree in no more than a total of 120 credit hours, unless there are additional degree requirements recognized by the Colorado Department of Higher Education. This means that if you complete your AA/AS degree at Colorado Mountain College, you can complete your four-year degree with the same number of credits as students who began at the receiving institution. If you have

received credit for prior learning, advanced placement, or correspondence courses, this will be reviewed by the receiving institution.

Transferring Out Credit for a Course or Courses

In addition to the full degree (60+60 credit) transfer, Colorado policy now ensures that students who successfully complete State Guaranteed General Education Courses will receive transfer credits for this course applied to graduation requirements in all majors at all public institutions unless a specific statewide articulation agreement already exists (currently Business, Elementary Education, Early Childhood Education, and Nursing programs).

It is also possible to transfer out credit for certain examinations and independent study courses. See the following sections for details.

Colorado State Guaranteed Transfer Courses

During fall semester 2003, Colorado implemented a new transfer policy to make it easier to transfer course credits to all state institutions. Under the new policy, courses that are designated State Guaranteed Transfer Courses are guaranteed to satisfy general education requirements at all Colorado public higher education institutions and will count toward graduation for an Associate of Arts or Bachelor's degree.

Within this document, Colorado State Guaranteed Transfer Courses are delineated by a padlock (🔒) icon.

Colorado State Guaranteed Transfer Acronyms

The Colorado State Guaranteed Transfer Courses are grouped into larger academic/program categories indicating what programs they are intended to transfer into and the appropriate grade level. For degree planning, our AA and AS certificate and degree checklists group required and elective State Guaranteed General Education Courses into these categories. The table below summarizes these codes and their meanings.

See <http://higher.colo-rado.gov/academics/transfers> for the most current list.

Transferability Symbols

Because we want you to take your learning experience with you, the Colorado Mountain College Catalog and Class Schedules use two symbols to designate course transferability.

The padlock symbol (🔒) designates courses that are part of the approved State Guaranteed General Education Transfer Course list.

The complete list of these state guaranteed general education courses is available on the Colorado Department of Higher Education website <http://higher.colo-rado.gov/academics/transfers>.

The asterisk (*) symbol designates courses that apply to the CMC AA/AS degree, and that satisfy program-specific transfer agreements for the business, engineering, and elementary education programs.

Transferring Credit Through Examinations

Colorado Mountain College awards credit through examinations such as the CLEP test. Although this type of test is standard throughout the country, it will often be reevaluated when you transfer, and the admissions office at the four-year institution may choose to award a different amount of credits than awarded by Colorado Mountain College.

Transferable Electives

Transferable electives are summarized within the certificate and degree checklists and at the beginning of the program descriptions. You can identify them by the padlock (🔒) symbol.

Transferring Special Topics Credits

Special Topics courses (number 175 and 275) are courses to provide you the chance to study subjects not included in the standard curriculum. When transferring, remember that each institution will evaluate these courses according to its own guidelines. If you wish to have these kinds of courses considered for transfer, you must keep all records of the class (syllabus, tests, papers and other projects) so that they can be evaluated by the receiving institution.

Transferring Out Credits for an Entire Program

Completion of the Guaranteed General Education Transfer Courses and an AA or AS degree with a grade of "C" or better in each of the courses in the transfer qualifies the student to transfer under the Colorado Statewide Transfer Policy (60+60).

State Guaranteed General Education Transfer Courses

During fall semester 2003, Colorado required all state higher education institutions to implement a new State Guaranteed General Education Transfer (GT) Curriculum. Under this policy, courses that are designated State Guaranteed General Education Transfer Courses are guaranteed to satisfy general education requirements at all Colorado public institutions of higher education and will count toward graduation for an Associate of Arts, Associates of Science, Bachelor of Arts, or Bachelor of Science degree.

Completion of both the General Education Transfer Core and an AA/AS degree with a grade of "C" or better in each of the transfer courses allows the student to transfer at least 60 credit hours to any Colorado public institution under the 60+60 Statewide Transfer Policy.

The General Education Transfer (GT) includes courses that are listed at <http://highered.colorado.gov/academics/transfers>.

Courses listed in the 2010-2011 master course listing and degree checklist that have the padlock (🔒) icon are part of the State Guaranteed General Education Transfer Curriculum.

By finishing your AA or AS degree requirements before transferring to a public four-year institution in Colorado, you may expect, upon acceptance, to transfer 60 community college semester credits and enter the four-year institution with junior standing. Liberal Arts Science majors will be able to finish a BA or BS degree with 60 additional credits at the transfer institution. In other words, if you complete an AA or AS degree program with 35-37 credits of state-guaranteed general education, all of your course credits (up to 60 hours) that applied to your degree requirements for the community college degree will be guaranteed to

transfer, upon acceptance, to a four-year college or university. And, you should be able to complete a Bachelor of Arts or Bachelor of Science degree within another 60 credit hours. This is called a 60+60 transfer plan.

If you change your major between two liberal arts and sciences programs, the same general education guarantee applies. However, students who change their major after the first 60 hours accept the responsibility that this decision may require additional courses.

Non-state guaranteed general education courses marked with a * in the catalog may transfer on a course-by-course basis. This decision is at the discretion of the receiving institution; but it is highly likely that these courses will transfer.

For a list of applicable degrees at Colorado institutions of higher education, <http://highered.colorado.gov/academics/transfers>.

Statewide and Program-Specific Transfer/Articulation Agreements

Statewide Transfer/Articulation Agreements

Several bachelor degree programs in Colorado offer transfer under separate agreements. Colorado has developed state-wide transfer agreements for the following Associate of Arts degree programs: Early Childhood Teacher Education, Elementary Teacher Education, Business Degree programs, Economics, and Engineering. In some cases, these agreements supersede the State Guaranteed General Education Transfer policies.

See the Colorado Department of Higher Education website at <http://highered.colorado.gov/academic/transfers/> for a list of these state-wide transfer requirements and four year advising guides.

Program-Specific Transfer/Articulation Agreements

Colorado Mountain College maintains further articulation agreements with public Colorado colleges and universities that address the transfer of some courses that are part of specialized degree or certificate programs. Colorado Mountain College was

the first two-year college to sign a comprehensive agreement with the University of Colorado, Boulder, School of Engineering.

Colorado Mountain College has signed agreements outlining transfer of degrees in many areas. go to www.coloradomtn.edu for the complete listing.

Please consult the appropriate certificate and degree checklists, Colorado Mountain College Advisor, and receiving institution for current information about transferring your credits using state-wide or program-specific articulation agreements.

Transferring AAS and Occupational Proficiency Course Credits

Although career and technical degrees and the courses within them are designed for immediate employment, some courses and programs transfer to selected baccalaureate degree-granting institutions.

Courses leading to an Associate of Applied Science degree or Certificate of Occupational Proficiency at Colorado Mountain College may transfer into four-year degree programs when the courses are considered similar in content to those offered at the four-year institution. For occupational certificates and degrees without specific transfer agreements, each four-year institution uses its own discretion as to the credits it will accept in transfer.

Please see your program Advisor for further details.

Tips for a Simple and Smooth Transfer

1. Know your career objective and major field of study. If necessary, seek out career counseling or assessment testing. The College Counselors at each CMC campus would be happy to help you do this.
2. Choose a college that is right for you and will help you to meet your goals. Review majors and course offerings, and consider factors like student services, financial aid availability, cost, location and extra-curricular opportunities. There are many good websites that can assist you with a comprehensive college search.
3. Get assistance in formulating your degree and transfer plans. Academic Advisors and faculty knowledgeable in your field of interest can help you make sure that you are building the foundation you need to continue.

4. Plan to complete the GT Core Curriculum requirements; these are the standardized general education requirements at all community and junior colleges in Colorado. Most Colorado universities will accept the Core requirements as a substitute for their general education requirements.

5. Plan to complete all lower division (freshman and sophomore) requirements. Check your transfer school's catalog to determine its expectations for freshmen and sophomores. Try to match its requirements for freshmen and sophomores as closely as possible.

6. Check the transferability of courses before you register for them. Remember that the receiving institution is the final authority for accepting your CMC credits. If you have questions about a course that a CMC Advisor cannot answer, talk to an Admissions Counselor at the transfer school.

7. Check on the minimum GPA requirements and the maximum number of transfer credits allowable at your chosen school. CMC offers only "lower division" credits – freshman and sophomore level courses – and most four-year institutions set a limit on the number of lower division credits they will accept for transfer.

8. Select more than one transfer school that fits your academic needs. Always have an alternative plan. Don't automatically eliminate expensive schools from consideration because you think you can't afford them. They realize that they are expensive and often offer better financial aid opportunities. But have a "safety net" school that meets your basic needs.

9. Apply early and know when transcripts are required to be sent. Plan on having transfer applications in the mail by the beginning of your last semester at CMC. Sending partial transcripts may speed up the admissions process.

10. Ask Professors and College Counselors for letters of recommendation well in advance of application deadlines.

Additional Transferability Considerations

Not all courses at Colorado Mountain College will transfer. Developmental (numbered 000-099 and 900-999) and Career and Technical Education courses are never intended to transfer. If you plan to transfer, you should meet regularly with an Academic Advisor to ensure a smooth transition to the four-year college of your choice. Transfer guidelines for public Colorado institutions may be available from your Advisor. These should be used only as general guides. Contact the receiving institution for the latest requirements.

Courses in this catalog that are marked with an asterisk (*) apply to the Colorado Mountain College Associate of Arts and Associate of Science degrees. When choosing electives, choosing courses with this symbol may provide a smoother transfer for you. To ensure that elective courses will transfer, always check with the receiving institution first.

Student Privacy, Records & Rights

Student Educational Rights and Privacy Act

Student records help staff and faculty plan educational opportunities to meet individual student needs, better understand students and counsel them more effectively for academic success during the school year and in finding gainful and fulfilling employment after graduation. Colorado Mountain College will not provide names and addresses to outside agencies for commercial use.

Confidentiality of Records

Student records are confidential. These records will be released to faculty and professional staff for authorized educational purposes. Your academic records are released only with written consent by you or under specific guidelines in the Family Educational Rights and Privacy Act of 1974 (FERPA).

Copies of Colorado Mountain College policy relating to the Family Educational Rights and Privacy Act of 1974, as amended, are available in the registration office of each campus. This act was designated to protect the privacy of education records, to establish the right of students to inspect and review

their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office concerning alleged failures by the institution to comply with the Act.

If you have questions concerning the Family Educational Rights and Privacy Act, contact the Colorado Mountain College Registration staff.

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) gives students certain rights with respect to their education records.

1. The right to inspect and review the student's educational records within 45 days of the day the College receives a request for access. Students must submit to the Records Custodian a written request that identifies the records(s) they wish to inspect. The Records Custodian will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Records Custodian to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's educational records that the student believes are inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They must write the College Records Custodian responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing. This section does not apply to the assignment of grades.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic research, or support staff position; a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate education interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

4. The College has specified the following items as directory information: Student name, dates of attendance, enrollment status, degrees and awards received, activity and sports participation and major. The College may disclose any of these items without prior written consent, unless notified in writing to the contrary by the first official class meeting date of each term. This date is found in the College Catalog. Notification must be provided to the Registration Office. A form is provided for your use.

5. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-4605.

Upon request, the College discloses education records without consent to officials of another school in which the student seeks or intends to enroll. In addition, Federal Law requires the College to release, upon request, specific items of information from the student's educational records to the military services.

Colorado Mountain College will disclose information from the student's education records only with the written consent of the student. CMC has a waiver form available at each location that students may sign to allow parents access to their records.

Withholding Directory Information

Currently enrolled students may withhold disclosure of directory information by notifying the Registrar, in writing, that they do not want the directory information released. Colorado Mountain College will honor this request. All information will be held confidential. This notification is effective until rescinded, in writing, by the student. Colorado Mountain College assumes that unless a student specifically requests that directory information is to be withheld, the student is approving this information for disclosure.

Sex Offender Reporting Policy

Federal Law requires that sex offenders register if working at or attending an educational institution. This law instructs the educational institution to notify students of the method to access this information. Colorado Mountain College requires sex offenders to meet with the Assistant Vice President of Student Affairs or designee prior to their enrollment. For more information, please contact the Assistant Vice President of Student Affairs office at (970) 947-8351. In addition to the information provided below, the Colorado Department of Public Safety maintains a website providing information about those registered in Colorado. The site is www.sor.state.co.us/default.asp.

Information concerning persons who are required by Colorado law to register as sex offenders, including registered sex offenders who are enrolled, employed, or volunteering at Colorado Mountain College, may be obtained from your local Police Department, or the County Sheriff's Department.

Alumni: Staying in Touch

The inspiring scenery of the Colorado mountains and the experiences you will have at Colorado Mountain College stay with you long after you graduate. So will many of your friendships formed here. That's why we have alumni resources available to help you stay in touch with your chosen interest area and your classmates.

Join the CMC online alumni community to stay in touch with your friends and the college. Visit CMC's Alumni Page at www.facebook.com/cmcalumni and become a fan. Contact the Colorado Mountain College Foundation office at (970) 947-8378 for more information about alumni opportunities and resources.

Programs of Study

Programs of Study

- **Planning Your Degree**
- **Where our Programs are Offered**
- **Associate of Arts Degrees**
- **Associate of Science Degrees**
- **Associate of General Studies Degrees**
- **Career & Technical Degrees and Certificates**

Where Our Programs are Offered

The table on page 33 summarizes our certificate and degree programs and the location and delivery methods for each.

Planning Your Degree

The Associate of Arts and Associate of Science degrees give you a solid, affordable start before transferring to a four-year college. All of the Colorado Mountain College Associate of Arts (AA) and Associate of Science (AS) degrees are designed to satisfy the lower division requirements of a four-year Bachelor's/Baccalaureate degree. After you transfer to a four-year college or university you may concentrate in a major area of study during your junior and senior years.

See the Moving On section of this document for details on transferring your credits to four-year colleges and universities.

CMC's AA and AS degrees provide the foundation for a traditional liberal arts education. Studies include the humanities, social sciences, communication, mathematics and science. The liberal arts develop critical and analytic skills demanded by constantly changing social and work environments.

The Associate of Arts degree is offered at all campuses. The Associate of Science degree is offered at all campuses except Aspen.

We also offer the Associate of General Studies (AGS) degrees for students whose needs are not met by our other degrees. You may design the Associate of General Studies degree to fit your personal needs, upgrade job skills or prepare for professional school. This degree includes Colorado Guaranteed Transfer Curriculum. Several options allow you to take specialized transfer programs. While earning the Associate of

Whether your academic goal is to transfer to a four-year school or upgrade your technical job skills, Colorado Mountain College degree and certificate programs are designed to challenge and prepare you for greater educational and professional success.

The Degree and Certificate Programs chapter summarizes all of our current degree and certificate offerings including locations and program requirements. More information is available on our web site at www.coloradomtn.edu.

General Studies degree you can focus on Criminal Justice, Engineering, or Outdoor Recreation Leadership and transfer most of the credits earned to one or more four-year schools that have majors in these areas.

Please note that recent changes to the Colorado Department of Education's policy for Higher Education Admissions Requirements (HEAR) stipulate that students wishing to enter or transfer to any public four-year school in Colorado must successfully complete at least one year of foreign language at the high school level. If you have not fulfilled this requirement, please be advised that you are required to take FRE 111, GER 111, ITA 111, JPN 111, RUS 111, or SPA 111 to gain admittance to a four-year school. Although these courses do not fulfill the Guaranteed Transfer Arts and Humanities requirement, they do count as five elective credits.

Degree & Certificate Descriptions & Requirements

The degree and certificate requirements in this printed catalog are current for the 11-12 academic year. Degree and certificate programs are reviewed on an annual basis and there may be additions, deletions, and/or changes for the 11-12 academic year. Please see the most current program information on our web site at www.coloradomtn.edu/catalog. Please work with your advisor to avoid any confusion or disappointment as you work toward your degree.

Please be sure to submit a Petition for Graduation during the semester prior to your last semester in order to receive your diploma. See the Graduation section of this catalog for more details, and work with your advisor.

Transferability Symbols Because we want you to take your learning experience with you, the Colorado Mountain College catalog and class schedules use two symbols to designate course transferability.

The lock symbol (🔒) designates courses that are part of the approved State Guaranteed General Education Transfer Course list. The complete list of these general education courses is available on the Colorado Department of Higher Education web site at: <http://higher.ed.colorado.gov/Academics/Transfers/gtPathways/curriculum.html>.

The asterisk (*) symbol designates courses that apply to the CMC AA/AS/AGS degrees, and that may satisfy program-specific transfer agreements for the business, engineering, and elementary education programs. Please work with your advisor to ensure that the courses you select will be accepted at the four-year college of your choice.

General Education Philosophy

General education benefits students by encouraging them to acquire the intellectual tools, knowledge, and creative capabilities necessary to be able to study the world as it is, as it has been understood, and as it might become. General education prepares students for fulfilled lives as educated persons

and effective contributors to a democratic society. To develop a breadth of knowledge, general education courses acquaint students with the methods of inquiry of the various academic disciplines and the different ways these disciplines view the world as well as prepare you for employment. Effective general education helps students act ethically and responsibly, and develops habits of critical thinking and action, intellectual sophistication, and an orientation to learning and investigation that will become lifelong.

CMC Signature Learning Outcomes

CMC students will be able to incorporate in their lives by the time they graduate the following institutional learning outcomes:

Knowledge of Human Cultures and Physical and Natural World

- Through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts
- Respect for the interconnectedness of the human, physical, and natural world

Focused by engagement with big questions, both contemporary and enduring.

Intellectual and Practical Skills, including

- Inquiry and analysis
- Critical and creative thinking
- Written and oral communication
- Quantitative literacy
- Information literacy
- Technological literacy
- Teamwork and problem solving

Practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance.

Personal and Social Responsibility, including

- Civic knowledge and engagement - local and global
- Intercultural knowledge and competence
- Ethical reasoning and action
- Foundations and skills for lifelong learning



Faculty and students often collaborate on projects for experiential learning.

- Incorporation of life practices leading to health and wellness
- The ability to apply ethical and responsible behaviors towards our environment
- Taking responsibility for academic success

Anchored through active involvement with diverse communities and real-world challenges.

Integrative and Applied Learning, including

- Synthesis and advanced accomplishment across general and specialized studies.

Demonstrated through the application of knowledge, skills, and responsibilities to new settings and complex problems.

Where Our Programs are Offered

Programs of Study

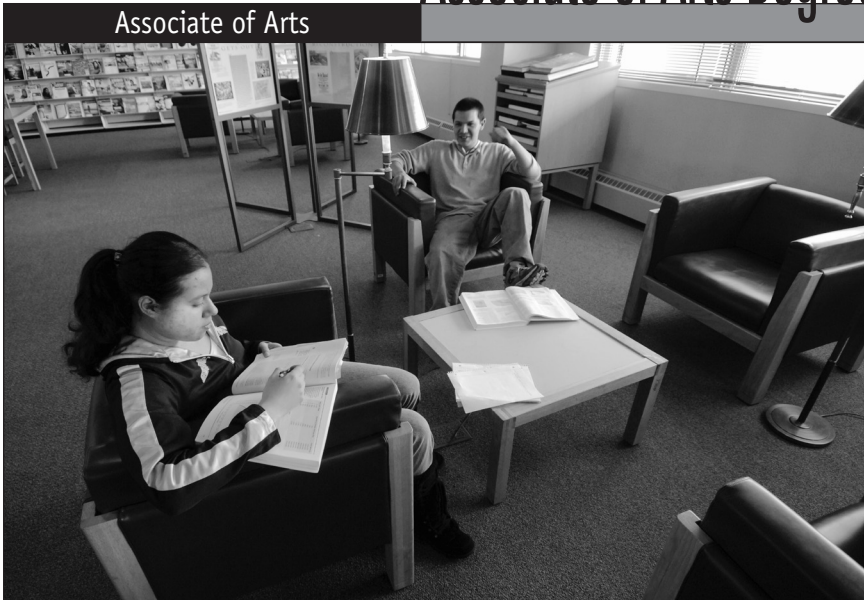
Colorado Mountain College Campuses	PAGE #	STEAMBOAT	ASPEN	CRB/SP VAL/GWS	BRECK/DILLON	LEADVILLE/BV	EDWARDS	RIFLE	ONLINE
Associate of Arts Degree (AA)	34	•	•	•	•	•	•	•	•
Anthropology (AA)	37	•	•	•	•	•	•	•	•
Associate of General Studies Degree (AGS)	65	•	•	•	•	•	•	•	•
Associate of Science (AS)	53	•	•	•	•	•	•	•	•
Agriculture and Natural Resources									
Animal Shelter Management (C)	75			•					
Environmental Science (AS)	60	•		•	•	•			
Environmental Studies (AA)	45	•	•	•	•	•	•		
Forestry Technician (C)	88					•			
Natural Resource Management (AAS)	100					•			
NRM: Field Technician (C)	101					•			
Veterinary Technology (AAS)	114			•					
Art, Design, and Photography									
Creative Arts (CC)	117		•						
Graphic Design (AAS)	90			•					
Graphic Technology (C)	91			•	•				
Professional Photography (AAS)	105			•					
Theatre (AA)	49			•					
Visual Art (AA)	51	•	•					•	
Web Technology (C)	91			•					
Business and Public Administration									
Accounting (AAS, C)	74	•	•	•	•	•	•	•	•
Statewide Business Agreement (AA)	38	•	•	•	•	•	•	•	•
Statewide Economics Agreement (AA)	41	•	•	•	•	•	•	•	•
Entrepreneurship (AAS, C)	85	•	•	•	•	•	•	•	•
Paralegal (AAS, C)	104								•
Real Estate (C)	106	•	•			•	•	•	•
Small Business Finance (C)	85	•	•			•	•		•
E-Business/E-Commerce (C)	85								•
Education									
Early Childhood Director/Group Leader (C)	81	•	•		•	•	•	•	•
Early Childhood Education (AAS)	81	•			•	•	•	•	•
Early Childhood Education (AA)	40	•			•	•	•	•	•
Elementary Ed (AA)	43	•	•	•	•	•	•	•	•
Energy									
Basic Solar Photovoltaic (C)	98							•	•
Industrial Instrumentation Control Technician (C)	97							•	
Petroleum Technology Operator (C)	96							•	
Photovoltaic Installer (C)	98							•	
Process Technology (AAS, C)	96							•	
Safety in Process Technology (C)	96							•	
SolarThermal Installer (C)	98							•	
Health Sciences									
Certified Nurse Aide (C)	102							•	•
Medical Assistant (AAS, C)	99							•	•
Nursing: Associate Degree RN (AAS)	103			•					

LOCATION	DEGREE OR CERTIFICATE
STEAMBOAT Steamboat Springs	AA Associate of Arts
ASPEN Aspen	AS Associate of Science
CRB/SP VAL/GWS Carbondale, Glenwood Springs & Spring Valley	AGS Associate of General Studies
BRECK/DILLON Breckenridge & Dillon	AAS Associate of Applied Science
LEADVILLE/BV Leadville & Buena Vista	C Certificate of completion (<i>One year or less</i>)
EDWARDS Edwards	CC Certificate of completion (<i>Not a state-approved certificate, although some courses may transfer.</i>)
RIFLE Rifle	
ONLINE Online & Interactive Video	

Colorado Mountain College Campuses	PAGE #	STEAMBOAT	ASPEN	CRB/SP VAL/GWS	BRECK/DILLON	LEADVILLE/BV	EDWARDS	RIFLE	ONLINE
Hospitality, Tourism, Ski & Resort Management									
Culinary Arts (AAS, C)	78				•		•		
Hospitality Operations (C)	107	•							•
Resort Management (AAS)	107	•							
Ski Area Operations (AAS)	110					•			
Ski Patrol Operations Levels I & II (C)	111					•			
Ski & Snowboard Business (AAS)	112	•							
Ski & Snowboard Guide (C)	113	•							
Ski & Snowboard Mktg Media Mgr (C)	113	•							
Ski & Snowboard Shop Tech I & II (C)	112	•							
Slope & Trail Maintenance (C)	111					•			
Spa Management (C)	108	•							
Sustainable Cuisine (AAS, C)	79						•		
Information Technology & Web Development									
Information Technology Specialist (AAS)	94			•	•				
A+ Computer Technician (C)	94			•	•				
Cisco Certified Network Associate (C)	95				•				
Geographic Information Systems (C)	89					•			
Microsoft Office® Specialist (C)	95			•					•
Network+ (C)	95			•	•				
Security+ (C)	95								•
Server+ (C)	95			•	•				•
Outdoor Studies									
Fly Fishing Guide (CC)	118					•			
Outdoor Education (AA)	47	•	•	•	•	•	•		
Outdoor Recreation Leadership (AGS)	71					•			
Public Safety									
CLETA: Colorado Law Enforcement Training Academy (C)	77			•		•			
Criminal Justice (AGS)	69					•			
Emergency Medical Technician - Basic (C)	82	•	•	•	•	•	•	•	•
Emergency Medical Technician - Intermediate (EMT-I)	83	•		•	•	•			
EMT-Paramedic (AAS, C)	82						•		
Wilderness EMS (C)	84				•				
Fire Science Technology (AAS)	86					•	•		
Fire Science: Company Officer (C)	87						•		
Fire Academy I & II (C)	87					•	•	•	
Science and Engineering									
Biology (AS)	56	•		•	•	•	•	•	•
Chemistry (AS)	58	•		•	•	•	•	•	•
CMC & CU-Boulder Mechanical Eng (AGS)	68	•							
Environmental Science (AS)	60	•		•		•	•	•	•
Physics (AS)	62	•		•	•	•	•	•	•
Statewide Engineering Agreement (AS)	64	•	•	•		•	•	•	•
Skilled Trades and Technical Sciences									
Automotive Service Technology (C)	76						•		
Historic Preservation (AAS, C)	92					•			
Ropeway Maintenance Technician (C)	109					•			•
Welding (C)	115					•			•

Note: Please check with your campus. Not all courses are available at every campus and may require travel to another campus or access via Online Learning.

Associate of Arts Degrees



Associate of Arts

The library at Alpine Campus provides views from above the town of Steamboat.

Associate of Arts Degrees

The Associate of Arts degree program offers a liberal arts education that includes the Colorado State Guaranteed General Education Curriculum. This Curriculum includes a minimum of one year of course work in communication, humanities, social sciences, mathematics and science. In addition to these required disciplines, we encourage you to explore a broad range of subjects through elective course work in the fine arts, behavioral sciences, natural sciences and mathematics, literature, business and humanistic studies.

The Associate of Arts degree program is offered at all campuses.

To be accepted into the Associate of Arts program you must demonstrate college-level proficiency through ACT/SAT scores, college transcripts or placement tests. Inadequate skills in reading, writing and mathematics may require you to enroll in developmental studies courses before enrolling in courses required for the degree. This could affect the sequence in which you can take courses and may extend the time required to earn your degree. For more details please see Academic Placement and Testing. See Scholarships and Awards for scholarship opportunities related to this program.

Please note that recent changes to the Colorado Department of Education's policy for Higher Education Admissions Requirements (HEAR) stipulate that students wishing to enter or transfer to any public four-year

school in Colorado must successfully complete at least one year of foreign language at the high school level. If you have not fulfilled this requirement, please be advised that you are required to take FRE 111, GER 111, ITA 111, JPN 111, RUS 111, or SPA 111 to gain admittance to a four-year school. Although these courses do not fulfill the Guaranteed Transfer Arts and Humanities requirement, they do count as five elective credits.

Associate of Arts Degree Requirements

Completion of the degree requires taking at least 60 credits from among courses numbered 100 through 299 which are designed for transfer.

State Guaranteed General Education Curriculum courses are designated by a padlock (🔒) icon. An asterisk (*) icon denotes courses which apply to the Associate of Arts and Associate of Science degrees, and are generally transferable to other Colorado public universities and colleges. Colorado public four-year higher education institutions will honor the full transfer of an Associate of Arts (AA) degree earned at Colorado Mountain College. When you earn an Associate of Arts degree at Colorado Mountain College, completing the state guaranteed general education courses with a grade of C or better in each course applied to the degree, you will transfer with 60 credit hours toward a baccalaureate degree into any arts and science degree program offered by a Colorado public four-year college.

To graduate, a student must have a cumulative grade point average of 2.0 ("C" average) or "P" (passing) or better on all courses taken at Colorado Mountain College. At least 80 percent of the semester credits applied toward graduation must be letter graded.

You must earn 45 credits at Colorado Mountain College or, if transferring previous credits, a minimum of 15 college-level credit hours must be earned at Colorado Mountain College. Awarded or non-traditional credit may not be used to fulfill this requirement. No more than six credits of work experience, internship, special topics, and/or cooperative education may be applied toward graduation. These credits must be considered transferable to a four-year school. If you already have a Colorado Mountain College degree, you must earn at least 15 additional credits, not already applied to the first degree, to receive a second degree.

You should be able to complete your Associate of Arts degree program in no more than 60 credit hours and your baccalaureate (four-year) degree in no more than a total of 120 credit hours, unless there are additional degree requirements recognized by the Colorado Department of Higher Education or by the receiving institution. This means that if you complete your Associate of Arts degree at Colorado Mountain College, you can complete your four-year degree with the same number of credits as students who began at the receiving institution. If you have received credit for prior learning, Advanced Placement, or correspondence courses, this will be reviewed by the receiving institution.

You must complete the entire AA degree to guarantee transfer of any course not on the State Guaranteed curriculum. Transfer of courses marked by the asterisk (*) icon is probable but not guaranteed. Please check the requirements of the receiving institution.

AA Degree Descriptions

The Associate of Arts degree includes several options described in the following section. Degree checklists are available on the College web site. Please use those when you visit with your advisor to assist you in your courses selection process. The online catalog at www.coloradomtn.edu/catalog contains the most updated information on degrees and programs.

See the section on Financial Aid and Scholarships for available funds for this degree.

Associate of Arts Degrees

Associate of Arts

The Associate of Arts degree includes several options selected from courses listed below. By completing your AA degree requirements before transferring to a public four-year institution in Colorado, 60 credits are guaranteed to transfer once you are accepted for admission. Liberal arts majors will be able to finish a BA degree with 60 additional credits at the transfer institution. This is called a 60 + 60 transfer plan.

If you do not finish the full 60-credit AA degree then non-state guaranteed general education courses (* courses) may transfer on a course-by-course basis. This decision is at the discretion of the receiving institution; please see your advisor. If you change your major between two liberal arts programs, the same general education guarantee applies; however, students who change their major after the first 60 hours accept the responsibility that this decision may require additional courses. This will help you avoid any confusion or disappointment as you work toward completing your degree.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(31 credits minimum across 5 content areas, plus 3 credits of COM required)

Communication - 6 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	ENG 201 English Composition III: Writing for Public Discourse	3
	* COM 115 Public Speaking	3
	* COM 125 Interpersonal Communication	3

Mathematics 3-6 credits. Credits over 3 will be added to electives. ***Students must take both MAT 155 and MAT 156 to satisfy this requirement.** (GT-MA1)

	MAT 120 Math for Liberal Arts	4
	MAT 121 College Algebra	4
	MAT 122 College Trigonometry	3
	MAT 123 Finite Mathematics	4
	MAT 125 Survey of Calculus	4
	MAT 135 Introduction to Statistics	3
*	MAT 155 Integrated Math I (for teacher prep only)	3
	AND	
	MAT 156 Integrated Math II (for teacher prep only)	3
	MAT 166 Pre-Calculus	5
	MAT 201 Calculus I	5
	MAT 202 Calculus II	5
	MAT 203 Calculus III	4
	MAT 265 Differential Equations	3

Physical and Life Science 7 credits from the following courses. Credits over 7 will be applied to the electives category. ***Students must take both SCI 155 and SCI 156 to satisfy this requirement.** (GT-SC1)

	AST 101 Astronomy I	4
	AST 102 Astronomy II	4
	BIO 105 Science of Biology	4

	BIO 111 General College Biology I	5
	BIO 112 General College Biology II	5
	BIO 201 Human Anatomy and Physiology I	4
	BIO 202 Human Anatomy and Physiology II	4
	BIO 204 Microbiology	4
	BIO 221 Botany	5
	CHE 101 Introduction to Chemistry I	5
	CHE 105 Chemistry in Context	5
	CHE 111 General College Chemistry I	5
	CHE 112 General College Chemistry II	5
	ENV 101 Introduction to Environmental Science	4
	GEO 111 Physical Geography	4
	GEO 112 Physical Geography: Weather and Climate	4
	GEY 111 Physical Geology	4
	GEY 121 Historical Geology	4
	MET 150 General Meteorology	4
	NRE 251 General Oceanography I	3
	PHY 105 Conceptual Physics	4
	PHY 107 Energy Science and Technology	4
	PHY 111 Physics: Algebra-Based I with Lab	5
	PHY 112 Physics: Algebra-Based II with Lab	5
	PHY 211 Physics: Calculus-Based I with Lab	5
	PHY 212 Physics: Calculus-Based II with Lab	5
*	SCI 155 Integrated Science I (for teacher prep only)	4
	AND	
	SCI 156 Integrated Science II (for teacher prep only)	4

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

	ART 110 Art Appreciation	3
	ART 111 Art History Ancient to Medieval	3
	ART 112 Art History Renaissance to Modern (1900)	3
	ART 207 Art History - 1900 to present	3
	DAN 125 History of Dance I	3
	MUS 120 Music Appreciation	3
	MUS 121 Music History I	3
	MUS 122 Music History II	3
	MUS 123 Survey of World Music	3
	MUS 125 History of Jazz	3
	THE 105 Theatre Appreciation	3
	THE 211 Development of Theatre I	3
	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

	HUM 115 World Mythology	3
	HUM 121 Early Civilizations	3
	HUM 122 From Medieval to Modern	3
	HUM 123 The Modern World	3
	LIT 115 Introduction to Literature I	3
	LIT 201 World Literature to 1600	3
	LIT 202 World Literature after 1600	3
	LIT 205 Ethnic Literature	3
	LIT 211 Survey of American Literature I	3
	LIT 212 Survey of American Literature II	3
	LIT 221 Survey of British Literature I	3
	LIT 222 Survey of British Literature II	3
	LIT 225 Introduction to Shakespeare	3
	LIT 268 Celtic Literature	3

Continued on page 36

Associate of Arts Degrees

Associate of Arts

Continued from page 35

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours).

Select 2 courses, 1 of which must be history.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 101 Economics of Social Issues	3
_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3
_____	🔒 POS 205 International Relations	3
_____	🔒 POS 225 Comparative Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Geography	3
_____	🔒 GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

_____ 1 additional course, if needed 3

Wellness Requirements Transfer Level (*) PED/OUT/DAN/

HWE 100 or 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Electives

24 credits from courses numbered 100-299; Guaranteed Transfer (🔒) or General Transfer (*) in the Course Description section and CIS 118, if required. No PED 100-249 or PED 275 courses allowed for this requirement.

Total Elective Credits (minimum 24) _____

Total Credits Earned (minimum 60) _____

State Guaranteed General Education Requirements (min. 31) _____

COM 115 or COM 125 (3) _____

Wellness Requirements (min. 2) _____

Electives (min. 24) _____

Total credits toward Associate of Arts degree (min. 60) _____

Anthropology Emphasis

Associate of Arts

Associate of Arts: Anthropology Emphasis. Colorado Mountain College offers students the opportunity to complete the AA-Anthropology requirements at CMC and then transfer into a degree program at a participating Colorado public four-year college or university. To ensure maximum transferability of your degree credits toward your goals, please see your advisor.

See the section on Scholarships and Awards for scholarship opportunities related to this program. The Associate of Arts - Anthropology Emphasis degree is offered at all locations. Not every course is offered on every campus.

State Guaranteed General Education Requirements

Communication 6 credits ENG (GT-C01-2) plus 3 credits COM

GRADE/SEM	COURSE #	CREDIT
	🔒 ENG 121 English Composition I	3
	🔒 ENG 122 English Composition II	3
	* COM115 Public Speaking	3

Mathematics 3-4 credits (GT-MA1)

	🔒 MAT 120 Math for the Liberal Arts	4
	OR	
	🔒 MAT 135 Introduction to Statistics	(3)
	OR	
	🔒 MAT 121 College Algebra	(4)

Arts & Humanities 9 credits (GT-AH1-3)

	🔒 ART 110 Art Appreciation	3
	🔒 FRE 211 French Language III	3
	🔒 FRE 212 French Language IV	3
	🔒 GER 211 German Language III	3
	🔒 GER 212 German Language IV	3
	🔒 HUM115 World Mythology	3
	🔒 HUM121 Early Civilizations	3
	🔒 ITA 211 Italian Language III	3
	🔒 ITA 212 Italian Language IV	3
	🔒 JPN 211 Japanese Language III	3
	🔒 JPN 212 Japanese Language IV	3
	🔒 LIT 201 World Literature to 1600	3
	🔒 LIT 202 World Literature after 1600	3
	🔒 LIT 205 Ethnic Literature	3
	🔒 RUS 211 Russian Language III	3
	🔒 RUS 212 Russian Language IV	3
	🔒 PHI 112 Ethics	3
	🔒 PHI 218 Environmental Ethics	3
	🔒 SPA 211 Spanish Language III	3
	🔒 SPA 212 Spanish Language IV	3

Physical and Life Sciences 7 credits from the following courses. Credits over 7 will be applied to the electives category. (GT-SC1)

	🔒 BIO 105 Science of Biology	4
	🔒 BIO 111 General College Biology I	5
	🔒 BIO 201 Human Anatomy and Physiology I	4
	🔒 ENV 101 Introduction to Environmental Science	4
	🔒 GEY 111 Physical Geology	4
	🔒 GEY 121 Historical Geology	4

Social & Behavioral Sciences 12 credits (GT-SS3 (GT-HI1)) 3 credits must be in History.

	🔒 ANT 101 Cultural Anthropology	3
	🔒 ANT 107 Introduction to Archaeology	3
	🔒 ANT 108 Archaeology of World Rock Art	3
	🔒 ANT 111 Physical Anthropology	3
	🔒 ANT 201 Introduction to Forensic Anthropology	3
	🔒 ANT 215 Indians of North America	3
	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
	🔒 HIS 111 The World: Antiquity - 1500	3

Wellness Requirements 2 credits

	* OUT 111 Mountain Orientation	2
	* OUT 112 Desert Orientation	2
	* OUT 113 Canyon Orientation	2

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Suggested Electives (16 transferable credits)

	* ANT 121 Cultures of the Southwest	3
	* ANT 137 Southwest US Archaeology	3
	* ANT 211 Cultural Resource Management	3
	* ANT 221 Exploring Other Cultures I	3
	* ANT 280 Southwest Field Exploration	2
	* BIO 120 Introduction to Natural History	3
	* BIO 144 Natural History of the Desert	2
	* BIO 148 Basic Ecology	4
	🔒 GEO 106 Human Geography	3
	* GEY 135 Environmental Geology	3
	* HIS 207 American Environmental History	3
	🔒 SOC 101 Introduction to Sociology	3
	🔒 SOC 207 Environmental Sociology	3
	🔒 SOC 218 Sociology of Diversity	3

Total Credits Earned

State Guaranteed General Education Requirements (min. 38-39)	_____
COM 115 (3)	_____
Wellness Requirement (min. 2)	_____
Electives (min. 16-17)	_____
Total credits toward Associate of Arts:	_____
Anthropology Emphasis (min. 60)	_____

Statewide Business Articulation Agreement

Associate of Arts

Associate of Arts: Business Emphasis. This program is designed for students who wish to transfer to a school of business at a public institution in Colorado.

The Colorado Statewide Business Articulation Agreement ensures that a student who completes the degree requirements for an Associate of Arts degree with an emphasis in Business and earned a C- or better in all courses shall be fully considered for admission into the business programs offered by the participating four-year public colleges in Colorado. Under this agreement, if offered admission, you will enter with a junior standing in the school of business, and will only be required to take 60 more credits to earn your bachelor's degree. Students who do not fully complete the AA Business degree requirements will be evaluated on a course-by-course basis. Individual business courses may transfer and count toward the graduation requirements for a four-year business degree, but the transferable courses are limited to the course equivalents of the courses specified in the curricula of the four-year Business Administration degree programs.

The general education requirements for business students are specific to this statewide business articulation agreement. Completion of these general education requirements may not satisfy all the general education requirements for every business program. Students should review the business degree requirements of the four-year college or university of their interest when making plans to transfer.

See the section on Scholarships and Awards for scholarship opportunities related to this program. The Associate of Arts: Business Emphasis degree is offered at all locations. Not every course is offered on every campus.

State Guaranteed General Education Requirements

Communication 9 credits (GT-C01-C02)

GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	* COM115 Public Speaking	3

Mathematics 8 credits (GT-MA1)

	MAT 121 College Algebra	4
	<i>OR</i>	
	MAT 123 Finite Mathematics	(4)
	MAT 125 Survey of Calculus (or higher Calculus)	4

Arts & Humanities 2 courses (6 credit hours). Select two state-guaranteed Arts and Humanities courses:

Arts (GT-AH1)

	ART 110 Art Appreciation	3
	ART 111 Art History Ancient to Medieval	3
	ART 112 Art History Renaissance to Modern	3
	ART 207 Art History - 1900 to present	3
	DAN 125 History of Dance I	3
	MUS120 Music Appreciation	3
	MUS 121 Music History I	3
	MUS 122 Music History II	3
	MUS123 Survey of World Music	3
	MUS 125 History of Jazz	3
	THE 105 Theatre Appreciation	3
	THE 211 Development of Theatre I	3
	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

	HUM 115 World Mythology	3
	HUM 121 Early Civilizations	3
	HUM 122 From Medieval to Modern	3
	HUM 123 The Modern World	3
	LIT 115 Introduction to Literature I	3
	LIT 201 World Literature to 1600	3
	LIT 202 World Literature after 1600	3
	LIT 205 Ethnic Literature	3
	LIT 211 Survey of American Literature I	3
	LIT 212 Survey of American Literature II	3
	LIT 221 Survey of British Literature I	3
	LIT 222 Survey of British Literature II	3
	LIT 225 Introduction to Shakespeare	3
	LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

	PHI 111 Introduction to Philosophy	3
	PHI 112 Ethics	3
	PHI 113 Logic	3
	PHI 114 Comparative Religions	3
	PHI 214 Philosophy of Religion	3
	PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

	FRE 211 French Language III	3
	FRE 212 French Language IV	3
	GER 211 German Language III	3
	GER 212 German Language IV	3
	ITA 211 Italian Language III	3
	ITA 212 Italian Language IV	3
	JPN 211 Japanese Language III	3
	JPN 212 Japanese Language IV	3
	RUS 211 Russian Language III	3
	RUS 212 Russian Language IV	3
	SPA 211 Spanish Language III	3
	SPA 212 Spanish Language IV	3

Science 2 courses (8 credit hours) from the following courses (GT-SC1 & SC2)

	AST 101 Astronomy I	4
	AST 102 Astronomy II	4
	BIO 105 Science of Biology	4
	BIO 111 General College Biology I	5
	BIO 112 General College Biology II	5
	BIO 201 Human Anatomy and Physiology I	4
	BIO 202 Human Anatomy and Physiology II	4
	BIO 204 Microbiology	4
	BIO 221 Botany	5
	CHE 101 Introduction to Chemistry I	5
	CHE 105 Chemistry in Context	5
	CHE 111 General College Chemistry I	5
	CHE 112 General College Chemistry II	5
	ENV 101 Introduction to Environmental Science	4
	GEY 111 Physical Geology	4
	GEY 121 Historical Geology	4
	MET 150 General Meteorology	4
	PHY 105 Conceptual Physics	4
	PHY 107 Energy Science and Technology	4
	PHY 111 Physics: Algebra-Based I with Lab	5
	PHY 112 Physics: Algebra-Based II with Lab	5
	PHY 211 Physics: Calculus-Based I with Lab	5
	PHY 212 Physics: Calculus-Based II with Lab	5

Statewide Business Articulation Agreement

Associate of Arts

Social & Behavioral Sciences 3 courses (9 credit hours). Select one state guaranteed history course, and the two required Economics courses.

History (GT-HI1) 3 credits

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1) 6 credits

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3

Business Program Requirements 20 credits

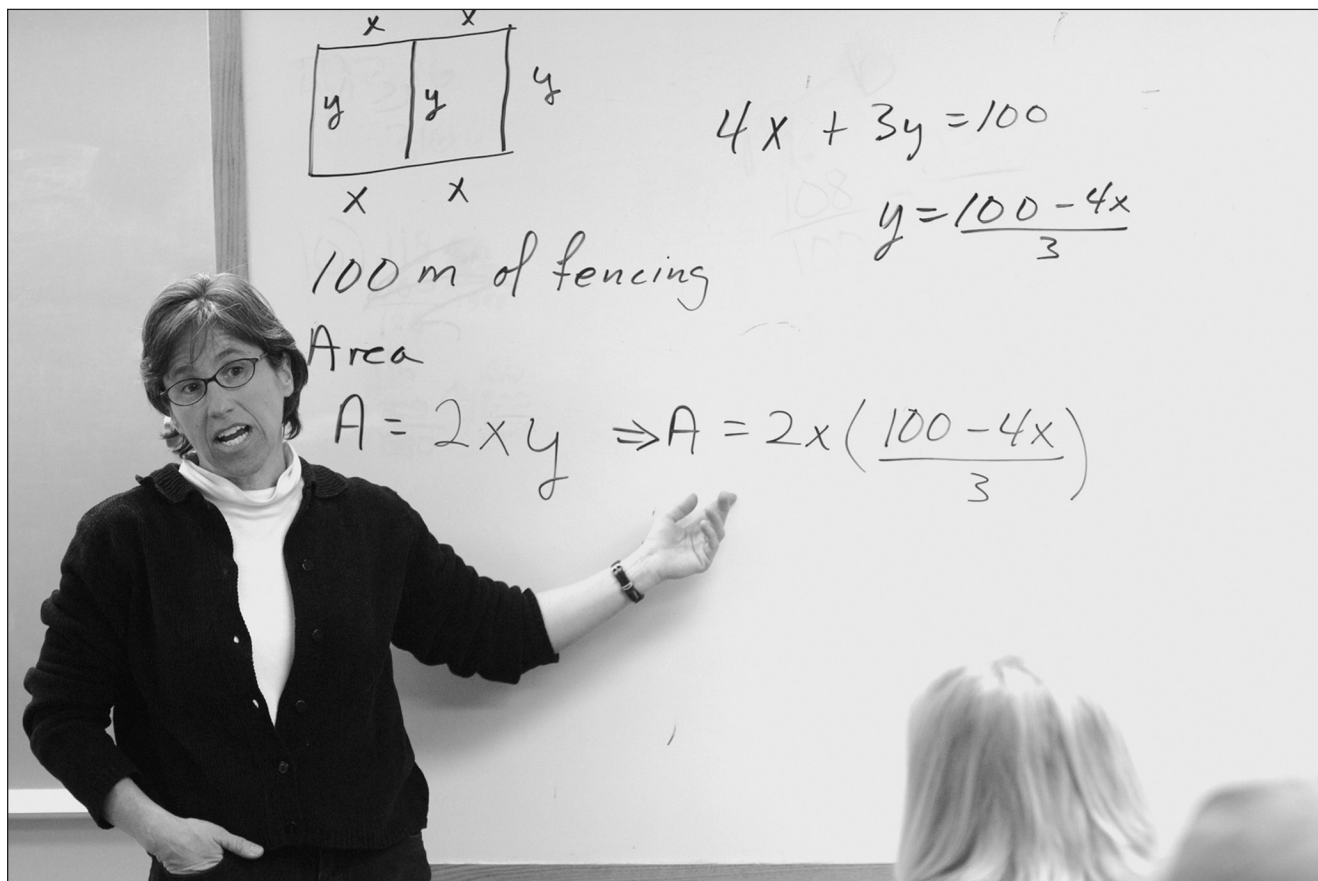
_____	* ACC 121 Accounting Principles I	4
_____	* ACC 122 Accounting Principles II	4
_____	* BUS 115 Introduction to Business	3
_____	* BUS 216 Legal Environment of Business	3
_____	* BUS 217 Business Communication & Report Writing	3
_____	* BUS 226 Business Statistics	3

Total Credits Earned _____

State Guaranteed Transfer Requirements (min. 40) _____

Business Graduation Requirements (min. 20) _____

Total credits toward Associate of Arts: _____
Business Emphasis (min. 60) _____



Academic courses for transfer.

Statewide Early Childhood Teacher Education Articulation Agreement

Associate of Arts

Associate of Arts: Early Childhood Education Colorado Mountain College offers students the opportunity to complete the AA-Early Childhood Education requirements at CMC and then transfer into a degree program at a participating Colorado public four-year college or university. Upon completion of the last two years of the 4-year college's Early Childhood Education program, students will graduate with a Bachelor of Arts degree and will be eligible for Early Childhood Education licensure.

Students must sign a graduation plan at Colorado Mountain College that identifies the first 54 credit hours that are guaranteed to transfer to a particular early childhood education program. To complete the AA graduation requirements, students, who have completed or are currently enrolled in courses that will total the first 54 credits, will apply to a specific early childhood education program and be advised on the final 6 credits guaranteed to transfer. During the students sophomore year or equivalent term when the student will complete the 54 credits the student will sign an agreement for the final 6 credit hours that will be co-signed by Colorado Mountain College and the four-year college. Participating four-year institutions are: Adams State College, Colorado State University, Fort Lewis College, Metropolitan State College of Denver, Mesa State College, and University of Northern Colorado. Only courses with a letter grade of "C" or better will be accepted for transfer, except COM-115 and the final 6 credits of electives, which must be completed with a "B" or better. Please see your advisor.

For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

General Education Requirements for All Early Childhood Education Students

Communication 9 credits (C or better) (GT-CO1-2)

GRADE/SEM	COURSE #	CREDIT
	🔒 ENG 121 English Composition I	3
	🔒 ENG 122 English Composition II	3
	* COM 115 Public Speaking (B or better)	3

Mathematics 6-7 credits. Complete either Group A or Group B shown below (C or better) (GT-MA1)

Group A:

	🔒 MAT 120 Mathematics for Liberal Arts	4
	or	
	🔒 MAT 121 College Algebra	(4)
	and	
	🔒 MAT 135 Introduction to Statistics	3

Group B:

	🔒 MAT 155 Integrated Math I	3
	and	
	🔒 MAT 156 Integrated Math II	3

Science 8-10 credits. Complete 2 lab-based science courses from either Group A or Group B shown below (C or better) (GT-SC1)

Group A:

	🔒 SCI 155 Integrated Science I	4
	and	
	🔒 SCI 156 Integrated Science II	4

Group B:

	🔒 BIO 105 Science of Biology	4
	🔒 BIO 111 General College Biology I	5
	🔒 CHE 101 Introduction to Chemistry I	5
	🔒 CHE 111 General College Chemistry I	5
	🔒 ENV 101 Introduction to Environmental Science	4
	🔒 PHY 105 Conceptual Physics	4
	🔒 PHY 111 Physics: Algebra-Based I with Lab	5
	🔒 PHY 211 Physics: Calculus-Based I with Lab	5
	🔒 GEY 111 Physical Geology	4

Social/Behavioral 9 credits (C or better) (GT-SS1 and SS2 and GT-HI1)

	🔒 GEO 105 World Regional Geography	3
	🔒 HIS 201 U.S. History to Reconstruction	3
	🔒 POS 111 American Government	3

Humanities 6 credits: choose two (C or better) (GT-AH1 and AH2)

	🔒 ART 110 Art Appreciation	3
	🔒 LIT 115 Introduction to Literature	3
	* LIT 255 Children's Literature	3
	🔒 MUS 120 Music Appreciation	3

Early Childhood Education Program Requirements 16 credits (C or better)

	* ECE 101 Introduction to Early Childhood Education	3
	* ECE 102 Introduction to Early Childhood Lab Techniques	3
	* ECE 205 Nutrition, Health & Safety	3
	* ECE 238 Child Growth & Development	4
	* ECE 241 Administration: Human Relations for Early Childhood Education	3

Electives determined by transferring institution 6 credits (B or better)

Total Credits Earned

General Education Requirements	38	
Early Childhood Education Requirements	16	
Electives determined by transferring Institution		6

Additional Credits Approved

Early Childhood Education Emphasis (minimum 60) _____

Please note that course availability and scheduling are subject to change without notice. Always consult your latest course bulletin and work closely with an advisor at both CMC and the 4-year college when scheduling classes.

Statewide Economics Articulation Agreement

Associate of Arts

Associate of Arts: Economics This program is designed for students who wish to transfer to a school of economics at a public institution in Colorado.

The Colorado Statewide Economics Articulation Agreement ensures that a student who completes the degree requirements for an Associate of Arts degree with an emphasis in Economics and earned a C- or better in all courses shall be fully considered for admission into the economics programs offered by the participating four-year public colleges in Colorado. Under this agreement, if offered admission, you will enter with a junior standing in the school of economics, and will only be required to take 60 more credits to earn your bachelor's degree. Students who do not fully complete the AA Economics degree requirements will be evaluated on a course-by-course basis. Individual economics courses may transfer and count toward the graduation requirements for a four-year business degree, but the transferable courses are limited to the course equivalents of the courses specified in the curricula of the four-year economics degree programs.

The general education requirements for economics students are specific to this statewide business articulation agreement. Completion of these general education requirements may not satisfy all the general education requirements for every economics program. Students should review the economics degree requirements of the four-year college or university of their interest when making plans to transfer.

See the section on Scholarships and Awards for scholarship opportunities related to this program. The Associate of Arts: Economics Emphasis degree is offered at all locations. Not every course is offered on every campus.

State Guaranteed General Education Requirements

Communication 9 credits (GT-C01-C02)

GRADE/SEM	COURSE #	CREDIT
_____	🔒 ENG 121 English Composition I	3
_____	🔒 ENG 122 English Composition II	3
_____	* COM115 Public Speaking	3

Mathematics 5 credits (GT-MA1)

_____	🔒 MAT 201 Calculus I	5
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Arts & Humanities 9 credits (GT-AH1, AH2, AH3, & AH4)

Arts (GT-AH1)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern	3
_____	🔒 ART 207 Art History - 1900 to present	3
_____	🔒 DAN 125 History of Dance I	3
_____	🔒 MUS120 Music Appreciation	3
_____	🔒 MUS 121 Music History I	3
_____	🔒 MUS 122 Music History II	3
_____	🔒 MUS123 Survey of World Music	3
_____	🔒 MUS 125 History of Jazz	3
_____	🔒 THE 105 Theatre Appreciation	3
_____	🔒 THE 211 Development of Theatre I	3
_____	🔒 THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	🔒 HUM 115 World Mythology	3
_____	🔒 HUM 121 Early Civilizations	3
_____	🔒 HUM 122 From Medieval to Modern	3
_____	🔒 HUM 123 The Modern World	3
_____	🔒 LIT 115 Introduction to Literature I	3
_____	🔒 LIT 201 World Literature to 1600	3
_____	🔒 LIT 202 World Literature after 1600	3
_____	🔒 LIT 205 Ethnic Literature	3
_____	🔒 LIT 211 Survey of American Literature I	3
_____	🔒 LIT 212 Survey of American Literature II	3
_____	🔒 LIT 221 Survey of British Literature I	3
_____	🔒 LIT 222 Survey of British Literature II	3
_____	🔒 LIT 225 Introduction to Shakespeare	3
_____	🔒 LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Science 2 courses (8 credit hours) from the following courses (GT-SC1 & SC2)

_____	🔒 AST 101 Astronomy I	4
_____	🔒 AST 102 Astronomy II	4
_____	🔒 BIO 105 Science of Biology	4
_____	🔒 BIO 111 General College Biology I	5
_____	🔒 BIO 112 General College Biology II	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	🔒 BIO 204 Microbiology	4
_____	🔒 BIO 221 Botany	5
_____	🔒 CHE 101 Introduction to Chemistry I	5
_____	🔒 CHE 105 Chemistry in Context	5
_____	🔒 CHE 111 General College Chemistry I	5
_____	🔒 CHE 112 General College Chemistry II	5
_____	🔒 ENV 101 Introduction to Environmental Science	4

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Statewide Economics Articulation Agreement

Associate of Arts

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_____	🔒 GEY 111 Physical Geology	4
_____	🔒 GEY 121 Historical Geology	4
_____	🔒 MET 150 General Meteorology	4
_____	🔒 PHY 105 Conceptual Physics	4
_____	🔒 PHY 107 Energy Science and Technology	4
_____	🔒 PHY 111 Physics: Algebra-Based I with Lab	5
_____	🔒 PHY 112 Physics: Algebra-Based II with Lab	5
_____	🔒 PHY 211 Physics: Calculus-Based I with Lab	5
_____	🔒 PHY 212 Physics: Calculus-Based II with Lab	5

Social & Behavioral Sciences 3 courses (9 credit hours). Select one state guaranteed history course, and the two required Economics courses.

History (GT-HI1) 3 credits

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1) 6 credits

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3

Economics Program Requirements 20 credits

_____	🔒 MAT 135 Introduction to Statistics	3
_____	🔒 Advised Electives	17

Total Credits Earned

State Guaranteed Transfer Requirements (min. 40) _____

Economics Graduation Requirements (min. 20) _____

Total credits toward Associate of Arts:
Business Emphasis (min. 60) _____

Statewide Elementary Teacher Education Articulation Agreement

Associate of Arts

Associate of Arts: Elementary Education Colorado Mountain College offers students the opportunity to complete the AA-Elementary Education requirements at CMC and then finish their last two years with another Colorado 4-year college of their choice. Upon completion of the last two years of the 4-year college's Elementary Education program, students will graduate with a Bachelor of Arts degree and will be eligible for elementary education licensure.

Students must apply separately for co-admission into the 4-year college portion of their teacher education program at the end of their first year of study with Colorado Mountain College. At that time, the student will sign an agreement with both CMC and the other college outlining the final 19 credits that will be required to complete the AA portion of this degree.

This program requires close coordination between the student and the 4-year college where they plan to finish. Students in this program must decide which 4-year college they plan to transfer to no later than the end of their first year at Colorado Mountain College. This allows the student both fall and spring semesters of their final year with CMC to complete the final 19 credits that are recommended by the 4-year college. Some of those classes recommended by the 4-year college may be offered only in the fall or only in the spring at Colorado Mountain College, which is why students need a full year to integrate those classes into their schedules! For more information on the additional 19 credits go to <http://highered.colorado.gov/Academics/Transfers/Agreements/eled-other19.pdf>.

For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

General Education Requirements For All Elementary Education Students

English/Speech 9 credits (B or better) (GT-C01-2)		
GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	* COM 115 Public Speaking (C or better)	3

Mathematics 6 credits (C or better) (GT-MA1)		
	MAT 155 Integrated Math I	3
	MAT 156 Integrated Math II	3

Science 8 credits (C or better) (GT-SC1)		
	SCI 155 Integrated Science I	4
	SCI 156 Integrated Science II	4

Social/Behavioral Sciences 9 credits (C or better) (GT-HI1 and GS-SS1-2)		
	GEO 105 World Regional Geography	3
	HIS 201 U.S. History to Reconstruction	3
	POS 111 American Government	3

Humanities 3 credits: choose one (C or better) (GT-AH2)		
	LIT 115 Introduction to Literature	3
	LIT 201 World Literature to 1600	3
	LIT 202 World Literature after 1600	3
	LIT 211 Survey of American Literature I	3
	LIT 221 Survey of British Literature I	3

Elementary Education Program Requirements 6 credits (C or better)		
	* EDU 221 Introduction to Education	3
	PSY 238 Child Development	3

Additional Credits Approved by a 4-Year Institution 19 credits (C or better)		

Total Credits Earned	
Elementary Education Requirements (41)	
Electives determined by transferring institution (19)	
Total for Associate of Arts: Elementary Education	60 credits

Please note that course availability and scheduling are subject to change without notice. Always consult your latest course bulletin and work closely with an advisor at both CMC and the 4-year college when scheduling classes.

Elementary Education w/ Mesa State

Associate of Arts

Associate of Arts: Elementary Education (CMC-Mesa State Agreement) Colorado Mountain College and Mesa State College have an articulation agreement that allows students to complete the AA-Elementary Education Emphasis requirements at CMC and then finish their last two years with additional courses offered by Mesa State College.

What makes this option unique is that all instruction for the additional Mesa State College coursework will be provided on-site at CMC's Roaring Fork Campus with Mesa State instructors utilizing face-to-face classroom instruction or interactive video conferencing.

This program also includes substantial experiential work in elementary school settings. Upon completion of the Mesa State portion of this program, students will graduate with a Bachelor of Arts degree in Liberal Arts and will be eligible for elementary education licensure in Colorado.

Students must demonstrate college-level proficiency in reading, writing, and mathematics before entering this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details, see the Academic Placement and Testing section. It is strongly suggested that students interested in this program work closely with an advisor at both CMC and Mesa State College when formulating class schedules and for other advising purposes.

Students must apply separately for admission into Mesa State College, as well as to the Center for Teaching Licensure at the start of the semester in which they will be completing at least 48 credit hours of the following schedule.

General Education Requirements

English/Speech 9 credits (B or better) (GT-C01-2)

GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	* COM 115 Public Speaking	3

Mathematics 6 credits (C or better) (GT-MA1)

	MAT 155 Integrated Math I	3
	MAT 156 Integrated Math II	3

Science 12-17 credits. *Students must take both SCI 155 and 156 to satisfy this requirement. (GT-SC1)

	GEY 111 Physical Geology I	4
AND (CHOOSE ONE):		
	BIO 105 Science of Biology	4
	BIO 111 General College Biology I with Lab	5
AND (CHOOSE ONE):		
	PHY 105 Conceptual Physics	4
	PHY 111 Physics I: Algebra Based with Lab	5
	PHY 211 Physics I: Calculus based with Lab	5
	CHE 101 Introduction to Chemistry I	5
	CHE 111 General College Chemistry I	5
*	SCI 155 Integrated Science I	4
AND		
	SCI 156 Integrated Science II	4

Social and Behavioral Sciences 18 credits (GT-HI1 and GT-SS1-3)

	ECO 201 Principles of Macroeconomics	3
	GEO 105 World Regional Geography	3
	HIS 201 U.S. History I	3
	HIS 225 Colorado History	3
	POS 111 American Government	3
	PSY 235 Human Growth & Development (B or better)	3

Arts & Humanities 6 credits (GT-AH1-2)

Choose only ONE: 3 credits

	LIT 115 Introduction to Literature	3
	LIT 201 World Literature to 1600	3
	LIT 202 World Literature after 1600	3

Choose only ONE: 3 credits

	ART 110 Art Appreciation	3
	ART 112 Art History Renaissance to Modern	3
	MUS 120 Music Appreciation	3
	THE 105 Theatre Appreciation	3

Foreign Language 5 credits (GT-AH4)

	* SPA 111 Spanish I	5
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Education Program Requirements 3 credits (B or better)

	* EDU 221 Introduction to Education	3
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Wellness Requirements Transfer Level (*) PED two 1-credit activity-based courses.

Total credit requirements for Associate of General Studies Degree in Elementary Education

(CMC-Mesa State Option)

61-63

An additional 66-68 credits required with Mesa State for a combined total of 128 credits which will complete the BA in Liberal Arts: Elementary Education degree. Contact the Director of Extended Studies at Mesa State College, **Dr. Ben Keefer, 970-248-1384** for a copy of the Mesa State College Elementary Education Course Listings.

Environmental Studies Emphasis

Associate of Arts

Associate of Arts: Environmental Studies Emphasis This program area is intended to serve students who wish to pursue environmental studies with an emphasis in the social sciences and humanities. The program is grounded in the theoretical framework of environmental studies and the three pillars of sustainability (equity, environmental, and economic) as defined by the United Nations General Assembly in 2005. Students will take a 60-credit (minimum) AA program with specific classes chosen from each department. The three pillars of sustainability are represented by the three required program courses: Environmental Ethics (PHI 218), Environmental Science (ENV 101), and Environmental Economics (ECO 245).

The program will prepare students to transfer into four-year environmental studies programs and, based on electives selected, specialize in a specific area of study such as environmental policy, resource economics, environmental anthropology, eco-psychology, environmental history, environmental education, or sustainability studies.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(31 credits minimum across 5 content areas, plus 3 credits of COM required)

Communication - 6 credits ENG plus 3 credits COM (GT-CO1-3)

GRADE/SEM	COURSE #	CREDIT
_____	ENG 121 English Composition I	3
_____	ENG 122 English Composition II	3
_____	ENG 201 English Composition III: Writing for Public Discourse	3
_____	* COM 115 Public Speaking	3
_____	* COM 125 Interpersonal Communication	3

Mathematics 3-6 credits. Credits over 3 will be added to electives. ***Students must take both MAT 155 and MAT 156 to satisfy this requirement.** (GT-MA1)

_____	MAT 120 Math for Liberal Arts	4
_____	MAT 121 College Algebra	4
_____	MAT 122 College Trigonometry	3
_____	MAT 123 Finite Mathematics	4
_____	MAT 125 Survey of Calculus	4
_____	MAT 135 Introduction to Statistics	3
* _____	MAT 155 Integrated Math I (for teacher prep only)	3
_____	AND	
_____	MAT 156 Integrated Math II (for teacher prep only)	3
_____	MAT 166 Pre-Calculus	5
_____	MAT 201 Calculus I	5
_____	MAT 202 Calculus II	5
_____	MAT 203 Calculus III	4
_____	MAT 265 Differential Equations	3

Physical and Life Science 7 credits from the following courses. Credits over 7 will be applied to the electives category. ***Students must take both SCI 155 and SCI 156 to satisfy this requirement.** (GT-SC1)

_____	AST 101 Astronomy I	4
_____	AST 102 Astronomy II	4
_____	BIO 105 Science of Biology	4

_____	BIO 111 General College Biology I	5
_____	BIO 112 General College Biology II	5
_____	BIO 201 Human Anatomy and Physiology I	4
_____	BIO 202 Human Anatomy and Physiology II	4
_____	BIO 204 Microbiology	4
_____	BIO 221 Botany	5
_____	CHE 101 Introduction to Chemistry I	5
_____	CHE 105 Chemistry in Context	5
_____	CHE 111 General College Chemistry I	5
_____	CHE 112 General College Chemistry II	5
_____	GEO 111 Physical Geography	4
_____	GEO 112 Physical Geography: Weather and Climate	4
_____	GEY 111 Physical Geology	4
_____	GEY 121 Historical Geology	4
_____	MET 150 General Meteorology	4
_____	NRE 251 General Oceanography I	3
_____	PHY 105 Conceptual Physics	4
_____	PHY 107 Energy Science and Technology	4
_____	PHY 111 Physics: Algebra-Based I with Lab	5
_____	PHY 112 Physics: Algebra-Based II with Lab	5
_____	PHY 211 Physics: Calculus-Based I with Lab	5
_____	PHY 212 Physics: Calculus-Based II with Lab	5
* _____	SCI 155 Integrated Science I (for teacher prep only)	4
_____	AND	
_____	SCI 156 Integrated Science II (for teacher prep only)	4

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

_____	ART 110 Art Appreciation	3
_____	ART 111 Art History Ancient to Medieval	3
_____	ART 112 Art History Renaissance to Modern (1900)	3
_____	ART 207 Art History - 1900 to present	3
_____	DAN 125 History of Dance I	3
_____	MUS 120 Music Appreciation	3
_____	MUS 121 Music History I	3
_____	MUS 122 Music History II	3
_____	MUS 123 Survey of World Music	3
_____	MUS 125 History of Jazz	3
_____	THE 105 Theatre Appreciation	3
_____	THE 211 Development of Theatre I	3
_____	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	HUM 115 World Mythology	3
_____	HUM 121 Early Civilizations	3
_____	HUM 122 From Medieval to Modern	3
_____	HUM 123 The Modern World	3
_____	LIT 115 Introduction to Literature I	3
_____	LIT 201 World Literature to 1600	3
_____	LIT 202 World Literature after 1600	3
_____	LIT 205 Ethnic Literature	3
_____	LIT 211 Survey of American Literature I	3
_____	LIT 212 Survey of American Literature II	3
_____	LIT 221 Survey of British Literature I	3
_____	LIT 222 Survey of British Literature II	3
_____	LIT 225 Introduction to Shakespeare	3
_____	LIT 268 Celtic Literature	3

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Environmental Studies Emphasis

Associate of Arts

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Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours).
Select 2 courses, 1 of which must be history.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3
_____	🔒 POS 205 International Relations	3
_____	🔒 POS 225 Comparative Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Geography	3
_____	🔒 GEO 106 Human Geography	3
_____	🔒 GEO 111 Physical Geography	4
_____	🔒 GEO 112 Physical Geography: Weather and Climate	4

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3

_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

_____ 🔒 1 additional course, if needed 3

Wellness Requirements Transfer Level (*) PED/OUT/DAN/HWE 100 or 111: 2 credits.

Environment Studies Requirements 10 credits

_____	🔒 ENV 101 Introduction to Environmental Science	4
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 PHI 218 Environmental Ethics	3

Environment Studies Electives 14 credits

14 credits from courses numbered 100-299; Guaranteed Transfer (🔒) or General Transfer (*) in the Course Description section and CIS 118, if required. No PED 100-249 or PED 275 courses allowed for this requirement. Students are strongly encouraged to work with their advisor in order to satisfy transfer requirements to specific programs at four-year institutions.

Total Elective Credits (minimum 14)

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Total Credits Earned (minimum 60)

State Guaranteed General Education Requirements (min. 31) _____

Environmental Studies Requirements (10)

COM 115 or COM 125 (3) _____

Wellness Requirements (min. 2) _____

Electives (min. 14) _____

Total credits toward Associate of Arts degree (min. 60) _____

Outdoor Education Emphasis

Associate of Arts

Associate of Arts: Outdoor Education Emphasis The AA Outdoor Emphasis program provides relevant learning experiences and professional-level training to our students. The goal is to prepare students to enter the outdoor and adventure education job markets or to transfer to four-year institutions. The AA Outdoor Emphasis program at CMC consists of 31 credits of Colorado State Guaranteed General Education Transfer Curriculum and is designed to transfer to four-year schools in Colorado. The program strives to be a positive steward of the natural environment and sustainable practices are taught throughout the curriculum. The faculty provide both experience-based and theory-based learning opportunities through the coursework, with an emphasis on student goals, industry-standard practices, and fun.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Transfer Requirements (31 minimum plus 3 credits of COM)

Communication 6 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
_____	🔒 ENG 121 English Composition I	3
_____	🔒 ENG 122 English Composition II	3
_____	🔒 ENG 201 English Composition III: Writing for Public Discourse	3
_____	* COM 115 Public Speaking	3
_____	* COM 125 Interpersonal Communication	3

Mathematics 3-6 credits from the following courses. * Students must take both MAT 155 and 156 to satisfy this requirement. (GT-MA1)

_____	🔒 MAT 120 Math for Liberal Arts	4
_____	🔒 MAT 121 College Algebra	4
_____	🔒 MAT 122 College Trigonometry	3
_____	🔒 MAT 123 Finite Mathematics	4
_____	🔒 MAT 125 Survey of Calculus	4
_____	🔒 MAT 135 Introduction to Statistics	3
* _____	🔒 MAT 155 Integrated Math I (for teacher prep only)	3
AND		
_____	🔒 MAT 156 Integrated Math II (for teacher prep only)	3
_____	🔒 MAT 166 Pre-Calculus	5
_____	🔒 MAT 201 Calculus I	5
_____	🔒 MAT 202 Calculus II	5

Physical and Life Science 7 credits from the following courses. Credits over 7 will be applied to the electives category. *Students must take both SCI 155 and 156 to satisfy this requirement. (GT-SC1)

_____	🔒 AST 101 Astronomy I	4
_____	🔒 AST 102 Astronomy II	4
_____	🔒 BIO 105 Science of Biology	4
_____	🔒 BIO 111 General College Biology I	5
_____	🔒 BIO 112 General College Biology II	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	🔒 BIO 204 Microbiology	4
_____	🔒 BIO 221 Botany	5
_____	🔒 CHE 101 Introduction to Chemistry I	5

_____	🔒 CHE 105 Chemistry in Context	5
_____	🔒 CHE 111 General College Chemistry I	5
_____	🔒 CHE 112 General College Chemistry II	5
_____	🔒 ENV 101 Introduction to Environmental Science	4
_____	🔒 GEO 111 Physical Geography	4
_____	🔒 GEO 112 Physical Geography: Weather and Climate	4
_____	🔒 GEY 111 Physical Geology	4
_____	🔒 GEY 121 Historical Geology	4
_____	🔒 MET 150 General Meteorology	4
_____	🔒 NRE 251 General Oceanography I	3
_____	🔒 PHY 105 Conceptual Physics	4
_____	🔒 PHY 107 Energy Science and Technology	4
_____	🔒 PHY 111 Physics: Algebra-Based I with Lab	5
_____	🔒 PHY 112 Physics: Algebra-Based II with Lab	5
_____	🔒 PHY 211 Physics: Calculus-Based I with Lab	5
_____	🔒 PHY 212 Physics: Calculus-Based II with Lab	5
* _____	🔒 SCI 155 Integrated Science I (for teacher prep only)	4
AND		
_____	🔒 SCI 156 Integrated Science II (for teacher prep only)	4

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern (1900)	3
_____	🔒 ART 207 Art History - 1900 to present	3
_____	🔒 DAN 125 History of Dance I	3
_____	🔒 MUS 120 Music Appreciation	3
_____	🔒 MUS 121 Music History I	3
_____	🔒 MUS 122 Music History II	3
_____	🔒 MUS 123 Survey of World Music	3
_____	🔒 MUS 125 History of Jazz	3
_____	🔒 THE 105 Theatre Appreciation	3
_____	🔒 THE 211 Development of Theatre I	3
_____	🔒 THE 212 Development of Theatre II	3

Literature (GT-AH2)

_____	🔒 HUM 115 World Mythology	3
_____	🔒 HUM121 Early Civilizations	3
_____	🔒 HUM122 From Medieval to Modern	3
_____	🔒 HUM123 The Modern World	3
_____	🔒 LIT 115 Introduction to Literature I	3
_____	🔒 LIT 201 World Literature to 1600	3
_____	🔒 LIT 202 World Literature after 1600	3
_____	🔒 LIT 205 Ethnic Literature	3
_____	🔒 LIT 211 Survey of American Literature I	3
_____	🔒 LIT 212 Survey of American Literature II	3
_____	🔒 LIT 221 Survey of British Literature I	3
_____	🔒 LIT 222 Survey of British Literature II	3
_____	🔒 LIT 225 Introduction to Shakespeare	3
_____	🔒 LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

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Outdoor Education Emphasis

Associate of Arts

Continued from page 47

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III3	
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours). Select 2 courses, 1 of which must be history.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3
_____	🔒 POS 205 International Relations	3
_____	🔒 POS 225 Comparative Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Geography	3
_____	🔒 GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3

_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

*If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.

_____	🔒 1 additional course, if needed	3
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Wellness Requirements Transfer Level (*) PED/OUT/DAN/ HWE 100 or 111/PER 152 : 2 credits.

Program Requirements

Outdoor Education Leadership Requirements 9.5 credits

_____	* HUM137 Wilderness & the American Ethic	3
_____	HWE103 Community First Aid & CPR	.5
_____	OR	
_____	HWE 115 Medic First Aid	.5
_____	* OUT 120 Orienteering	1
_____	* OUT 287 Internship: Outdoor Leadership	2
_____	* PSY 211 Leadership Development	3

Outdoor Education Orientation Requirements Student must take 6 credits from this section.

_____	* OUT 111 Mountain Orientation	2
_____	* OUT 112 Desert Orientation	2
_____	* OUT 113 Canyon Orientation	2
_____	* OUT 114 Snow Orientation	2
_____	* OUT 118 River Orientation	2

Outdoor Education Electives Students must take at least 5.5 credits of advised electives from the following disciplines: ANT, AST, BIO, GEO, GEY, OUT, PER 152.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Total Credits Earned

State Guaranteed General Education Requirements (min. 31) _____

Public Speaking (3 credits) _____

Wellness Requirements (min. 2) _____

Computer Proficiency (3 credits CIS 118 or exam) _____

Outdoor Education Leadership Requirements (min 9.5) _____

Outdoor Education Orientation Requirements (min. 6) _____

Outdoor Education Electives (min. 5.5) _____

Total transfer credits allowed _____

Total credits toward Associate of Arts- _____

Outdoor Education Emphasis degree (minimum 60 credits) _____

This program operates on public lands and rivers with special permits from the U.S. Forest Service, Bureau of Land Management, National Parks Service, and Colorado State Parks.



Theatre Emphasis

Associate of Arts

Associate of Arts: Theatre Emphasis This program will prepare students to transfer into a four-year theatre department or, if the student chooses not to transfer, to be employed in the field as a community resource in theatre. Students are strongly encouraged to participate in community theatre productions where available to gain experience and learn about possible career choices. See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(34 credits minimum)

Communication 9 credits COM (GT-CO1-3)

GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	* COM 115 Public Speaking	3

Mathematics 1 course (3-4 credits) Credits over 3 will be added to electives. (GT-MA1)

	MAT 120 Math for Liberal Arts	4
	MAT 135 Introduction to Statistics	3

Arts & Humanities 3 courses (9 credit hours). All must be taken.

Arts (GT-AH1)

	THE 211 Development of Theatre I	3
	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

	LIT 225 Introduction to Shakespeare	3
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Physical and Life Sciences 7 credits from the following courses (GT-SC1). Additional credits will be added to electives.

	AST 101 Astronomy I	4
	AST 102 Astronomy II	4
	BIO 105 Science of Biology	4
	BIO 111 General College Biology I	5
	BIO 112 General College Biology II	5
	BIO 201 Human Anatomy and Physiology I	4
	BIO 202 Human Anatomy and Physiology II	4
	BIO 204 Microbiology	4
	BIO 221 Botany	5
	CHE 101 Introduction to Chemistry I	5
	CHE 105 Chemistry in Context	5
	CHE 111 General College Chemistry I	5
	CHE 112 General College Chemistry II	5
	ENV 101 Introduction to Environmental Science	4
	GEO 111 Physical Geography	4
	GEO 112 Physical Geography: Weather and Climate	4
	GEY 111 Physical Geology	4
	GEY 121 Historical Geology	4
	MET 150 General Meteorology	4
	NRE 251 General Oceanography I	3
	PHY 105 Conceptual Physics	4
	PHY 107 Energy Science and Technology	4

	PHY 111 Physics: Algebra-Based I with Lab	5
	PHY 112 Physics: Algebra-Based II with Lab	5
	PHY 211 Physics: Calculus-Based I with Lab	5
	PHY 212 Physics: Calculus-Based II with Lab	5

Social & Behavioral Sciences 2 courses (6 credit hours). Select 1 course History and an additional 3 credit hours minimum from this category.

History (GT-HI1)

	HIS 101 Western Civilization: Antiquity - 1650	3
	HIS 102 Western Civilization: 1650 - Present	3
	HIS 111 The World: Antiquity - 1500	3
	HIS 112 The World: 1500 - Present	3
	HIS 201 U.S. History to Reconstruction	3
	HIS 202 U.S. History Since the Civil War	3
	HIS 208 American Indian History	3
	HIS 215 Women in U.S. History	3
	HIS 225 Colorado History	3
	HIS 236 U.S. History Since 1945	3
	HIS 243 History of Modern China	3
	HIS 244 History of Latin America	3
	HIS 245 U.S. in the World	3
	HIS 247 20th Century World History	3
	HIS 255 The Middle Ages	3
	HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

	ECO 101 Economics of Social Issues	3
	ECO 201 Principles of Macroeconomics	3
	ECO 202 Principles of Microeconomics	3
	ECO 245 Environmental Economics	3
	POS 105 Introduction to Political Science	3
	POS 111 American Government	3
	POS 125 American State and Local Government	3
	POS 205 International Relations	3
	POS 225 Comparative Government	3

Geography (GT-SS2)

	GEO 105 World Geography	3
	GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

	ANT 101 Cultural Anthropology	3
	ANT 107 Introduction to Archaeology	3
	ANT 111 Physical Anthropology	3
	JOU 105 Introduction to Mass Media	3
	PSY 101 General Psychology I	3
	PSY 102 General Psychology II	3
	PSY 205 Psychology of Gender	3
	PSY 217 Human Sexuality	3
	PSY 226 Social Psychology	3
	SOC 101 Introduction to Sociology	3
	SOC 102 Introduction to Sociology II	3
	SOC 205 Sociology of Family Dynamics	3
	SOC 215 Contemporary Social Problems	3
	SOC 216 Sociology of Gender	3
	SOC 218 Sociology of Diversity	3
	SOC 237 Sociology of Death and Dying	3

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Theatre Emphasis

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Theatre Electives 24 transferable credits from the list below. Additions or exceptions approved by the Theatre instructor.

_____ *	COM 125 Interpersonal Communication	3
_____	THE 105 Theatre Appreciation	3
_____ *	THE 108 Play Reading	3
_____ *	THE 111 Acting I	3
_____ *	THE 112 Acting II	3
_____ *	THE 131 Theatre Production I	3
_____ *	THE 132 Theatre Production II	3
_____	THE 141 Improvisation I	1
_____ *	THE 246 Rehearsal and Performance	1
_____ *	THE 247 Rehearsal and Performance II	2
_____	THE 275 Special Topics	1-6

Wellness Requirements Transfer level (*) PED/OUT/DAN/
HWE 100 or HWE 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Total Credits Earned

State Guaranteed Transfer Requirements (min. 31) _____

COM 115 (3 credits) _____

Theatre Electives (minimum 24) _____

Wellness Requirements (minimum 2) _____

Computer Proficiency (3 credits CIS 118 or exam) _____

Total credits toward Associate of Arts:
Theatre Emphasis Degree (minimum 60) _____

Visual Arts Emphasis

Associate of Arts

Associate of Arts: Visual Arts Emphasis This program is designed for students who wish to transfer to a school of visual arts. See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(31 minimum plus 3 credits of COM)

Communication 6 credits ENG plus 3 credits COM (AG-CO1-3)

GRADE/SEM	COURSE #	CREDIT
	🔒 ENG 121 English Composition I	3
	🔒 ENG 122 English Composition II	3
	🔒 ENG 201 English Composition III: Writing for Public Discourse	3
	* COM 115 Public Speaking	3
	* COM 125 Interpersonal Communication	3

Mathematics 1 course (3-5 credits) Credits over 3 will be added to electives. (GT-MA1)

	🔒 MAT 120 Math for Liberal Arts	4
	🔒 MAT 121 College Algebra	4
	🔒 MAT 122 College Trigonometry	3
	🔒 MAT 123 Finite Mathematics	4
	🔒 MAT 125 Survey of Calculus	4
	🔒 MAT 135 Introduction to Statistics	3
	🔒 MAT 166 Pre-Calculus	5
	🔒 MAT 201 Calculus I	5
	🔒 MAT 202 Calculus II	5
	🔒 MAT 203 Calculus III	4
	🔒 MAT 265 Differential Equations	3

Physical and Life Sciences 7 credits from the following courses. Credits over 7 will be applied to the electives category. (GT-SC1)

	🔒 AST 101 Astronomy I	4
	🔒 AST 102 Astronomy II	4
	🔒 BIO 105 Science of Biology	4
	🔒 BIO 111 General College Biology I	5
	🔒 BIO 112 General College Biology II	5
	🔒 BIO 201 Human Anatomy and Physiology I	4
	🔒 BIO 202 Human Anatomy and Physiology II	4
	🔒 BIO 221 Botany	5
	🔒 BIO 204 Microbiology	4
	🔒 CHE 101 Introduction to Chemistry I	5
	🔒 CHE 105 Chemistry in Context	5
	🔒 CHE 111 General College Chemistry I	5
	🔒 CHE 112 General College Chemistry II	5
	🔒 ENV 101 Introduction to Environmental Science	4
	🔒 GEO 111 Physical Geography	4
	🔒 GEO 112 Physical Geography: Weather and Climate	4
	🔒 GEY 111 Physical Geology	4
	🔒 GEY 121 Historical Geology	4
	🔒 MET 150 General Meteorology	4
	🔒 NRE 251 General Oceanography I	3
	🔒 PHY 105 Conceptual Physics	4
	🔒 PHY 107 Energy Science and Technology	4
	🔒 PHY 111 Physics: Algebra-Based I with Lab	5



Ceramics and other arts create a rich environment on campus.

	🔒 PHY 112 Physics: Algebra-Based II with Lab	5
	🔒 PHY 211 Physics: Calculus-Based I with Lab	5
	🔒 PHY 212 Physics: Calculus-Based II with Lab	5

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

	🔒 ART 110 Art Appreciation	3
	🔒 ART 111 Art History Ancient to Medieval	3
	🔒 ART 112 Art History Renaissance to Modern (1900)	3
	🔒 ART 207 Art History - 1900 to present	3
	🔒 DAN 125 History of Dance I	3
	🔒 MUS 120 Music Appreciation	3
	🔒 MUS 121 Music History I	3
	🔒 MUS 122 Music History II	3
	🔒 MUS 123 Survey of World Music	3
	🔒 MUS 125 History of Jazz	3
	🔒 THE 105 Theatre Appreciation	3
	🔒 THE 211 Development of Theatre I	3
	🔒 THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

	🔒 HUM 115 World Mythology	3
	🔒 HUM 121 Early Civilizations	3
	🔒 HUM 122 From Medieval to Modern	3
	🔒 HUM 123 The Modern World	3
	🔒 LIT 115 Introduction to Literature I	3
	🔒 LIT 201 World Literature to 1600	3
	🔒 LIT 202 World Literature after 1600	3
	🔒 LIT 205 Ethnic Literature	3
	🔒 LIT 211 Survey of American Literature I	3
	🔒 LIT 212 Survey of American Literature II	3
	🔒 LIT 221 Survey of British Literature I	3
	🔒 LIT 222 Survey of British Literature II	3
	🔒 LIT 225 Introduction to Shakespeare	3
	🔒 LIT 268 Celtic Literature	3

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Visual Arts Emphasis

Associate of Arts

Continued from page 51

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours). Select one History course.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Regional Geography	3
_____	🔒 GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3

_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology I	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

_____	🔒 1 additional course, if needed	3
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Art Electives (24 credits minimum):

_____	* ART 121 Drawing I	3
_____	* ART 221 Drawing II	3
_____	* ART 124 Watercolor I	3
_____	* ART 224 Watercolor II	3
_____	* ART 131 Visual Concepts 2-D Design	3
_____	* ART 132 Visual Concepts 3-D Design	3
_____	* ART 165 Sculpture I	3
_____	* ART 265 Sculpture II	3
_____	* ART 128 Figure Drawing I	3
_____	* ART 228 Advanced Figure Drawing	3
_____	* ART 161 Ceramics I	3
_____	* ART 261 Ceramics II	3
_____	* ART 262 Ceramics III	3
_____	* ART 151 Painting I	3
_____	* ART 251 Painting II	3
_____	* Advised ART Elective(s) or CIS 118	

Wellness Requirements Transfer level (*) PED/OUT/DAN/HWE 100 or HWE 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Total Credits Earned

State Guaranteed Transfer Requirements (min. 31) _____

COM 115 or COM 125 (3 credits) _____

Art Electives (minimum 24) _____

Wellness Requirements (minimum 2) _____

Total credits toward Associate of Arts:
Visual Arts Emphasis Degree (minimum 60) _____

Associate of Science Degrees

Associate of Science



Physics lab for engineering and other science majors.

Associate of Science Degrees

The Associate of Science degrees are designed for those who plan to seek a four-year degree in advanced technology, mathematics, or physical, natural or computer science areas. The disciplines covered in this program are traditionally included in the freshman and sophomore curriculum at all colleges and universities. This includes course work in the areas of communication, humanities, social science, biological science, physical science and mathematics.

To be accepted into this program you must demonstrate college level proficiency through ACT/SAT scores, college transcripts or placement tests. Inadequate skills in reading, writing and mathematics may require you to enroll in developmental studies courses before enrolling in courses required for the degree. This could affect the sequence in which

you can take courses and may extend the time required to earn your degree. For more details please see the academic placement and testing section. Several scholarships are available for Associate of Science students, particularly the David Alden Cooke, Stewart Bridge Luce and C.E Williamson scholarships. See the scholarship and awards section for these scholarship opportunities.

Please note that recent changes to the Colorado Department of Education's policy for Higher Education Admissions Requirements (HEAR) stipulate that students wishing to enter or transfer to any public four-year school in Colorado must successfully complete at least one year of foreign language at the high school level. If you have not fulfilled this requirement, please be advised that you are required to take FRE 111, GER 111, ITA 111, JPN 111, RUS 111, or SPA 111 to gain admittance to a four-year school.

Although these courses do not fulfill the Guaranteed Transfer Arts and Humanities requirement, they do count as five elective credits.

Associate of Science Degree Requirements

The Associate of Science Degree requires completion of at least 60 credits from among courses numbered 100-299 which are designed for transfer. State Guaranteed General Education courses are designated by a padlock icon (🔒). An asterisk icon (*) denotes courses which apply to the Associate of Arts and Associate of Science degrees, and are generally transferable to other Colorado public universities and colleges.

You must complete the entire AS degree to guarantee transfer of any course not on the State Guaranteed curriculum. Transfer of courses marked by the asterisk (*) icon is probable but not guaranteed. Please check the requirements of the receiving institution.

To graduate, a student must have a cumulative grade point average of 2.0 ("C" average) or "P" (passing) or better on all courses taken at Colorado Mountain College. At least 80 percent of the semester credits applied toward graduation must be letter graded.

You must earn 45 semester credits at Colorado Mountain College or, if transferring previous credits, a minimum of 15 college-level credit hours must be earned at Colorado Mountain College. Awarded or non-traditional credit may not be used to fulfill this requirement. No more than six credits of work experience, internship, special topics, and/or cooperative education may be applied toward graduation. These credits must be considered transferable to a four-year college. If you already have a Colorado Mountain College degree, you must earn at least 15 additional credits, not already applied to the first degree, to receive a second degree.

Specific course requirements are listed on the Associate of Science degree checklists which can be found on the College web site at www.coloradomtn.edu.

Associate of Science Degree

Associate of Science

The **Associate of Science degree** includes several options selected from courses listed below. By completing your AS degree requirements before transferring to a public four-year institution in Colorado, 60 credits are guaranteed to transfer once you are accepted for admission. Liberal Arts and Sciences majors will be able to finish a BS degree with 60 additional credits at the transfer institution. This is called a 60 + 60 transfer plan. Please see your advisor for additional information.

The degree has several options. These include Chemistry, Physics, and Biology, as well as a general option for other majors in the mathematics and sciences. These options are suggested by the Colorado Commission on Higher Education. All courses will count toward the AS degree. However, transferability depends on the four-year institution. Courses in addition to those listed may be transferable to one or more of the public four-year colleges or universities in Colorado. For specific information, please see your advisor.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

General Option

State Guaranteed General Education Requirements

(31 credits minimum across 5 content areas, plus 3 credits of COM)

Communication - 6 credits ENG plus 3 credits COM (GT-CO1-3)

GRADE/SEM	COURSE #	CREDIT
_____	🔒 ENG 121 English Composition I	3
_____	🔒 ENG 122 English Composition II	3
_____	🔒 ENG 201 English Composition III: Writing for Public Discourse	3
_____	* COM 115 Public Speaking	3
_____	* COM 125 Interpersonal Communication	3

Mathematics 1 course (3-5 credits) Credits over 3 will be added to electives. (GT-MA1)

Math (GT-MA1).

_____	🔒 MAT 121 College Algebra	4
_____	🔒 MAT 122 College Trigonometry	3
_____	🔒 MAT 201 Calculus I	5
_____	🔒 MAT 202 Calculus II	5
_____	🔒 MAT 203 Calculus III	4
_____	🔒 MAT 265 Differential Equations	3

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern (1900)	3
_____	🔒 ART 207 Art History - 1900 to present	3
_____	🔒 DAN 125 History of Dance I	3
_____	🔒 MUS 120 Music Appreciation	3
_____	🔒 MUS 121 Music History I	3
_____	🔒 MUS 122 Music History II	3
_____	🔒 MUS 123 Survey of World Music	3
_____	🔒 MUS 125 History of Jazz	3

_____	🔒 THE 105 Theatre Appreciation	3
_____	🔒 THE 211 Development of Theatre I	3
_____	🔒 THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	🔒 HUM 115 World Mythology	3
_____	🔒 HUM 121 Early Civilizations	3
_____	🔒 HUM 122 From Medieval to Modern	3
_____	🔒 HUM 123 The Modern World	3
_____	🔒 LIT 115 Introduction to Literature I	3
_____	🔒 LIT 201 World Literature to 1600	3
_____	🔒 LIT 202 World Literature after 1600	3
_____	🔒 LIT 205 Ethnic Literature	3
_____	🔒 LIT 211 Survey of American Literature I	3
_____	🔒 LIT 212 Survey of American Literature II	3
_____	🔒 LIT 221 Survey of British Literature I	3
_____	🔒 LIT 222 Survey of British Literature II	3
_____	🔒 LIT 225 Introduction to Shakespeare	3
_____	🔒 LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours). Select 2 courses, 1 of which must be History.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Associate of Science Degree

Associate of Science

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 101 Economics of Social Issues	3
_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3
_____	🔒 POS 205 International Relations	3
_____	🔒 POS 225 Comparative Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Regional Geography	3
_____	🔒 GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology I	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

_____	🔒 1 additional course, if needed	3
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Physical & Life Sciences 2 courses (7 credit hours). Select two laboratory-based courses*. Credits over 7 will be applied to the electives category. (GT-SC1)

_____	🔒 AST 101 Astronomy I	4
_____	🔒 AST 102 Astronomy II	4
_____	🔒 BIO 111 General College Biology I with Lab	5
_____	🔒 BIO 112 General College Biology II with Lab	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	🔒 BIO 204 Microbiology	4
_____	🔒 BIO 221 Botany	5
_____	🔒 CHE 111 General College Chemistry I	5
_____	🔒 CHE 112 General College Chemistry II	5
_____	🔒 ENV 101 Introduction to Environmental Science	4
_____	🔒 GEO 111 Physical Geography	4
_____	🔒 GEO 112 Physical Geography: Weather and Climate	4

_____	🔒 GEY 111 Physical Geology	4
_____	🔒 GEY 121 Historical Geology	4
_____	🔒 MET 150 General Meteorology	4
_____	🔒 NRE 251 General Oceanography I	3
_____	🔒 PHY 107 Energy Science and Technology	4
_____	🔒 PHY 111 Physics: Algebra Based I with Lab	5
_____	🔒 PHY 112 Physics: Algebra Based II with Lab	5
_____	🔒 PHY 211 Physics: Calculus Based I with Lab	5
_____	🔒 PHY 212 Physics: Calculus Based II with Lab	5

**A classroom laboratory component is necessary for this requirement. If a classroom laboratory is not imbedded within the regular class, please remember to sign up for one.*

Wellness Requirements Transfer Level (*) PED/OUT/DAN/HWE 100 or HWE 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit within the degree.

Electives

You must complete an additional 24 credits in any of the Science or Mathematics disciplines (AST, BIO, CHE, ENV, GEY, MAT, MET, NRE-251 & NRE-252, PHY numbered 100-299, marked with a lock (🔒) or general transfer marked with an asterisk (*) in the course description section. CIS 118 may be used if required.

Total Elective Credits (min. 24) _____

Total Credits Earned _____

State Guaranteed General Education Requirements (min. 31) _____

Wellness Requirement (min. 2) _____

COM 115 or COM 125 (3) _____

Electives (min. 24) _____

Total credits toward Associate of Science degree (min. 60) _____

Biology Emphasis

Associate of Science

Associate of Science: Biology Emphasis The biology emphasis for the Associate of Science Degree provides a strong foundation in mathematics and science classes for students desiring a career in the biological sciences. This includes many diverse careers such as health sciences, wildlife management, environmental engineering, biochemistry, natural resource management, forestry etc. Students with this degree will have completed the general education courses and have a solid background in general biology.

All courses will count toward the AS degree. The completion of the following courses is appropriate if you are planning to transfer to a four-year college or university to complete a major in biology. However, transferability depends on the four-year institution. Additional courses may be transferable to one or more of the public four-year colleges or universities in Colorado. For specific information, please see your advisor.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(31 credits minimum across 5 content areas plus 3 credits of COM)

Communication - 6 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	ENG 201 English Composition III: Writing for Public Discourse	3
	* COM 115 Public Speaking	3
	* COM 125 Interpersonal Communication	3

Mathematics 1 course (3-5 credits) Credits over 3 will be added to electives. (GT-MA1)

	MAT 121 College Algebra	4
	MAT 122 College Trigonometry	3
	MAT 201 Calculus I	5
	MAT 202 Calculus II	5
	MAT 203 Calculus III	4
	MAT 265 Differential Equations	3

Arts & Humanities 2 courses (6 credit hours).

Arts (GT-AH1)

	ART 110 Art Appreciation	3
	ART 111 Art History Ancient to Medieval	3
	ART 112 Art History Renaissance to Modern (1900)	3
	ART 207 Art History - 1900 to present	3
	DAN 125 History of Dance I	3
	MUS 120 Music Appreciation	3
	MUS 121 Music History I	3
	MUS 122 Music History II	3
	MUS 123 Survey of World Music	3
	MUS 125 History of Jazz	3
	THE 105 Theatre Appreciation	3
	THE 211 Development of Theatre I	3
	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

	HUM 115 World Mythology	3
	HUM 121 Early Civilizations	3
	HUM 122 From Medieval to Modern	3
	HUM 123 The Modern World	3
	LIT 115 Introduction to Literature I	3
	LIT 201 World Literature to 1600	3
	LIT 202 World Literature after 1600	3
	LIT 205 Ethnic Literature	3
	LIT 211 Survey of American Literature I	3
	LIT 212 Survey of American Literature II	3
	LIT 221 Survey of British Literature I	3
	LIT 222 Survey of British Literature II	3
	LIT 225 Introduction to Shakespeare	3
	LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

	PHI 111 Introduction to Philosophy	3
	PHI 112 Ethics	3
	PHI 113 Logic	3
	PHI 114 Comparative Religions	3
	PHI 214 Philosophy of Religion	3
	PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

	FRE 211 French Language III	3
	FRE 212 French Language IV	3
	GER 211 German Language III	3
	GER 212 German Language IV	3
	ITA 211 Italian Language III	3
	ITA 212 Italian Language IV	3
	JPN 211 Japanese Language III	3
	JPN 212 Japanese Language IV	3
	RUS 211 Russian Language III	3
	RUS 212 Russian Language IV	3
	SPA 211 Spanish Language III	3
	SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours). Select 2 courses, 1 of which must be History.

History (GT-HI1)

	HIS 101 Western Civilization: Antiquity - 1650	3
	HIS 102 Western Civilization: 1650 - Present	3
	HIS 111 The World: Antiquity - 1500	3
	HIS 112 The World: 1500 - Present	3
	HIS 201 U.S. History to Reconstruction	3
	HIS 202 U.S. History Since the Civil War	3
	HIS 208 American Indian History	3
	HIS 215 Women in U.S. History	3
	HIS 225 Colorado History	3
	HIS 236 U.S. History Since 1945	3
	HIS 243 History of Modern China	3
	HIS 244 History of Latin America	3
	HIS 245 U.S. in the World	3
	HIS 247 20th Century World History	3
	HIS 255 The Middle Ages	3
	HIS 260 U.S. Foreign Relations	3

Biology Emphasis

Associate of Science

Economic & Political Systems (GT-SS1)

- _____ 📖 ECO 201 Principles of Macroeconomics 3
- _____ 📖 ECO 202 Principles of Microeconomics 3
- _____ 📖 ECO 245 Environmental Economics 3
- _____ 📖 POS 105 Introduction to Political Science 3
- _____ 📖 POS 111 American Government 3
- _____ 📖 POS 125 American State and Local Government 3

Geography (GT-SS2)

- _____ 📖 GEO 105 World Regional Geography 3
- _____ 📖 GEO 106 Human Geography 3

Human Behavior & Social Systems (GT-SS3)

- _____ 📖 ANT 101 Cultural Anthropology 3
- _____ 📖 ANT 107 Introduction to Archaeology 3
- _____ 📖 ANT 108 Archaeology of World Rock Art 3
- _____ 📖 ANT 111 Physical Anthropology 3
- _____ 📖 ANT 201 Introduction to Forensic Anthropology 3
- _____ 📖 ANT 215 Indians of North America 3
- _____ 📖 JOU 105 Introduction to Mass Media 3
- _____ 📖 PSY 101 General Psychology I 3
- _____ 📖 PSY 102 General Psychology II 3
- _____ 📖 PSY 205 Psychology of Gender 3
- _____ 📖 PSY 217 Human Sexuality 3
- _____ 📖 PSY 226 Social Psychology 3
- _____ 📖 PSY 235 Human Growth and Development 3
- _____ 📖 PSY 238 Child Development 3
- _____ 📖 PSY 249 Abnormal Psychology 3
- _____ 📖 SOC 101 Introduction to Sociology I 3
- _____ 📖 SOC 102 Introduction to Sociology II 3
- _____ 📖 SOC 205 Sociology of Family Dynamics 3
- _____ 📖 SOC 207 Environmental Sociology 3
- _____ 📖 SOC 215 Contemporary Social Problems 3
- _____ 📖 SOC 216 Sociology of Gender 3
- _____ 📖 SOC 218 Sociology of Diversity 3
- _____ 📖 SOC 237 Sociology of Death and Dying 3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

- _____ 📖 1 additional course, if needed 3

Biology Program Requirements Complete the following. Credits over 8 will be applied to the electives category. (GT-SC1)

- _____ 📖 BIO 111 General College Biology I with Lab 5
- _____ 📖 BIO 112 General College Biology II with Lab 5

Wellness Requirements Transfer Level (*) PED/OUT/DAN/HWE 100 or 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Electives

You must complete an additional 24 credits in any of the Science or Mathematics disciplines (AST, BIO, CHE, ENV, GEY, MAT, MET, NRE-251 & NRE-252, PHY) numbered 100-299, marked with an 📖 or general transfer marked with an asterisk (*) in the course description section. CIS 118 may be used if required.

Total Elective Credits (min. 24) _____

Total Credits Earned _____

State Guaranteed General Education Requirements (min. 31) _____

COM 115 or COM 125 (3 credits) _____

Wellness Requirement (min. 2) _____

Electives (min. 24) _____

Total credits toward Associate of Science degree (min. 60) _____



The indoor stream at Timberline Campus gives students the opportunity to learn how to sample water quality.

Chemistry Emphasis

Associate of Science

Associate of Science: Chemistry Emphasis This program combines general education requirements with a strong emphasis on math and science required for transfer into a chemistry program at a 4-year institution. Chemistry is the central science; it connects on one side with physics and mathematics, on another with earth and environmental sciences, and on yet another with biology and medicine. Chemists and biochemists are always in demand. Here are a few examples: chemist in a crime lab; environmental chemist; high school chemistry teacher, etc.

Chemistry is also an excellent major for students planning careers in health professions such as medicine, dentistry, optometry and veterinary medicine. Many students have found that having a chemistry background gives them a distinct advantage in medical or dental school. All schools of dentistry, medicine and optometry require chemistry for admission. Almost every medical school requires one year of general chemistry and one year of organic chemistry.

Transferability depends on the four-year institution. If you are planning to major in chemistry at a four-year college or university, you will find MAT 201 Calculus I is the (lowest level) mathematics course in which the credits earned will count toward a BA or BS degree. If you are a student just entering and are not prepared to take MAT 201, you will need to take the prerequisite course(s). All courses will count toward the AS degree. Additional courses may be transferable to one or more of the public four-year colleges or universities in Colorado. For specific information, please see your advisor.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

((31 credits minimum across 5 content areas, plus 3 credits of COM required)

Communication - 6 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	ENG 201 English Composition III: Writing for Public Discourse	3
	* COM 115 Public Speaking	3
	* COM 125 Interpersonal Communication	3

Mathematics 1 course (3-5 credits) Credits over 3 will be added to electives. (GT-MA1)

	MAT 121 College Algebra	4
	MAT 122 College Trigonometry	3
	MAT 201 Calculus I	5
	MAT 202 Calculus II	5
	MAT 203 Calculus III	4
	MAT 265 Differential Equations	3

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

	ART 110 Art Appreciation	3
	ART 111 Art History Ancient to Medieval	3
	ART 112 Art History Renaissance to Modern (1900)	3
	ART 207 Art History - 1900 to present	3
	DAN 125 History of Dance I	3
	MUS 120 Music Appreciation	3
	MUS 121 Music History I	3
	MUS 122 Music History II	3
	MUS 123 Survey of World Music	3
	MUS 125 History of Jazz	3
	THE 105 Theatre Appreciation	3
	THE 211 Development of Theatre I	3
	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

	HUM 115 World Mythology	3
	HUM121 Early Civilizations	3
	HUM122 From Medieval to Modern	3
	HUM123 The Modern World	3
	LIT 115 Introduction to Literature I	3
	LIT 201 World Literature to 1600	3
	LIT 202 World Literature after 1600	3
	LIT 205 Ethnic Literature	3
	LIT 211 Survey of American Literature I	3
	LIT 212 Survey of American Literature II	3
	LIT 221 Survey of British Literature I	3
	LIT 222 Survey of British Literature II	3
	LIT 225 Introduction to Shakespeare	3
	LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

	PHI 111 Introduction to Philosophy	3
	PHI 112 Ethics	3
	PHI 113 Logic	3
	PHI 114 Comparative Religions	3
	PHI 214 Philosophy of Religion	3
	PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

	FRE 211 French Language III	3
	FRE 212 French Language IV	3
	GER 211 German Language III	3
	GER 212 German Language IV	3
	ITA 211 Italian Language III	3
	ITA 212 Italian Language IV	3
	JPN 211 Japanese Language III	3
	JPN 212 Japanese Language IV	3
	RUS 211 Russian Language III	3
	RUS 212 Russian Language IV	3
	SPA 211 Spanish Language III	3
	SPA 212 Spanish Language IV	3

Chemistry Emphasis

Associate of Science

Social & Behavioral Sciences 2 courses (6 credit hours). Select 2 courses, 1 of which must be history.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Regional Geography	3
_____	🔒 GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology I	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

_____	🔒 1 additional course, if needed	3
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Chemistry Program Requirements Complete the following. Credits over 8 will be applied to the electives category. (GT-SC1)

_____	🔒 CHE 111 General College Chemistry I	5
_____	🔒 CHE 112 General College Chemistry II	5

Wellness Requirements Transfer Level (*): PED/OUT/DAN/HWE 100 or 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS118. If you take the course, it will be applied to the elective credit.

Electives

You must complete an additional 24 credits in any of the Science or Mathematics disciplines (AST, BIO, CHE, ENV, GEY, MAT, MET, NRE-251 & NRE-252, PHY) numbered 100-299, marked with an (🔒) or general transfer marked with an asterisk (*) in the course description section. CIS 118 may be used if required.

Total Elective Credits (min. 24) _____

Total Credits Earned _____

State Guaranteed General Education Requirements (min. 31) _____

COM 115 or COM 125 (3 credits) _____

Wellness Requirement (min. 2) _____

Electives (min. 24) _____

Total credits toward Associate of Science degree (min. 60) _____

Environmental Science Emphasis

Associate of Science

Associate of Science: Environmental Science This program will prepare students to transfer into a four-year Environmental Science program or, based on electives selected, transfer to an environmentally-related program such as Geology, Environmental Engineering, and Environmental Health.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(31 credits minimum across 5 content areas, plus 3 credits of COM required)

Communication - 6 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
_____	🔒 ENG 121 English Composition I	3
_____	🔒 ENG 122 English Composition II	3
_____	🔒 ENG 201 English Composition III: Writing for Public Discourse	3
_____	* COM 115 Public Speaking	3
_____	* COM 125 Interpersonal Communication	3

Mathematics 1 course (3-5 credits) Credits over 3 will be added to electives. (GT-MA1)

_____	🔒 MAT 121 College Algebra	4
_____	🔒 MAT 122 College Trigonometry	3
_____	🔒 MAT 201 Calculus I	5
_____	🔒 MAT 202 Calculus II	5
_____	🔒 MAT 203 Calculus III	4
_____	🔒 MAT 265 Differential Equations	3

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern (1900)	3
_____	🔒 ART 207 Art History - 1900 to present	3
_____	🔒 DAN 125 History of Dance I	3
_____	🔒 MUS 120 Music Appreciation	3
_____	🔒 MUS 121 Music History I	3
_____	🔒 MUS 122 Music History II	3
_____	🔒 MUS 123 Survey of World Music	3
_____	🔒 MUS 125 History of Jazz	3
_____	🔒 THE 105 Theatre Appreciation	3
_____	🔒 THE 211 Development of Theatre I	3
_____	🔒 THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	🔒 HUM 115 World Mythology	3
_____	🔒 HUM121 Early Civilizations	3
_____	🔒 HUM122 From Medieval to Modern	3
_____	🔒 HUM123 The Modern World	3
_____	🔒 LIT 115 Introduction to Literature I	3
_____	🔒 LIT 201 World Literature to 1600	3
_____	🔒 LIT 202 World Literature after 1600	3
_____	🔒 LIT 205 Ethnic Literature	3
_____	🔒 LIT 211 Survey of American Literature I	3

_____	🔒 LIT 212 Survey of American Literature II	3
_____	🔒 LIT 221 Survey of British Literature I	3
_____	🔒 LIT 222 Survey of British Literature II	3
_____	🔒 LIT 225 Introduction to Shakespeare	3
_____	🔒 LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 2 courses (6 credit hours). Select 2 courses, 1 of which must be History.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3
_____	🔒 POS 205 International Relations	3
_____	🔒 POS 225 Comparative Government	3

Environmental Science Emphasis

Associate of Science

Geography (GT-SS2)

- _____ 🗝 GEO 105 World Regional Geography 3
- _____ 🗝 GEO 106 Human Geography 3

Human Behavior & Social Systems (GT-SS3)

- _____ 🗝 ANT 101 Cultural Anthropology 3
- _____ 🗝 ANT 107 Introduction to Archaeology 3
- _____ 🗝 ANT 108 Archaeology of World Rock Art 3
- _____ 🗝 ANT 111 Physical Anthropology 3
- _____ 🗝 ANT 201 Introduction to Forensic Anthropology 3
- _____ 🗝 ANT 215 Indians of North America 3
- _____ 🗝 JOU 105 Introduction to Mass Media 3
- _____ 🗝 PSY 101 General Psychology I 3
- _____ 🗝 PSY 102 General Psychology II 3
- _____ 🗝 PSY 205 Psychology of Gender 3
- _____ 🗝 PSY 217 Human Sexuality 3
- _____ 🗝 PSY 226 Social Psychology 3
- _____ 🗝 PSY 235 Human Growth and Development 3
- _____ 🗝 PSY 238 Child Development 3
- _____ 🗝 PSY 249 Abnormal Psychology 3
- _____ 🗝 SOC 101 Introduction to Sociology I 3
- _____ 🗝 SOC 102 Introduction to Sociology II 3
- _____ 🗝 SOC 205 Sociology of Family Dynamics 3
- _____ 🗝 SOC 207 Environmental Sociology 3
- _____ 🗝 SOC 215 Contemporary Social Problems 3
- _____ 🗝 SOC 216 Sociology of Gender 3
- _____ 🗝 SOC 218 Sociology of Diversity 3
- _____ 🗝 SOC 237 Sociology of Death and Dying 3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

- _____ 🗝 1 additional course, if needed 3

Environmental Science Program Requirements 8 credits (GT-SC1)

- _____ 🗝 ENV 101 Introduction to Environmental Science 4
- _____ 🗝 GEY 111 Physical Geology 4

Wellness Requirements Transfer Level (*) PED/OUT/DAN/HWE 100 or 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS118. If you take the course, it will be applied to the elective credit.

Electives

You must complete an additional 24 credits in any of the Science or Mathematics disciplines (AST, BIO, CHE, ENV, GEY, HIS-207, MAT, MET, NRE-251 & NRE-252, PHY) numbered 100-299, marked with a lock or general transfer marked with an asterisk (*) in the Course Description section, CIS-118 may be used if required. Students are strongly encouraged to work with their advisor in order to satisfy transfer requirements to specific four-year institutions.

As an example, students should select a minimum of 24 credits from at least 2 different content areas depending on interests.

Biology

- _____ 🗝 BIO 111 General College Biology I with Lab 5
- _____ 🗝 BIO 112 General College Biology II with Lab 5
- _____ 🗝 BIO 204 Microbiology 4
- _____ * BIO 222 General College Ecology 4

Chemistry

- _____ 🗝 CHE 111 General College Chemistry I 5
- _____ 🗝 CHE 112 General College Chemistry II 5
- _____ * CHE 211 Organic Chemistry I 5
- _____ * CHE 212 Organic Chemistry II 5

Geology

- _____ 🗝 GEY 121 Historical Geology 4
- _____ * GEY 135 Environmental Geology 3
- _____ * GEY 205 Geology of Colorado 3

Physics

- _____ 🗝 PHY 211 Physics: Calculus Based I with Lab 5
- _____ 🗝 PHY 212 Physics: Calculus Based II with Lab 5

Total Elective Credits (min. 24) _____

Total Credits Earned _____

State Guaranteed General Education Requirements (min. 31) _____

COM 115 or COM 125 (3 credits) _____

Wellness Requirement (min. 2) _____

Electives (min. 24) _____

Total credits toward Associate of Science degree (min. 60) _____

Physics Emphasis

Associate of Science

Associate of Science: Physics Emphasis This program combines general education requirements with a strong emphasis on math and science required for transfer into a physics program at a 4-year institution.

Physics is the foundation of all other basic sciences and technology because it is concerned with the most fundamental aspects of matter and energy, as well as the laws that govern their interactions. Much of the technological equipment and techniques used by other scientists were originally developed by physicists, such as x-rays, lasers, and MRIs. From saving lives, to saving our environment, to promoting knowledge in other areas of sciences, physicists are key players in our future. It will be you, the physics students of today and tomorrow, who will make contributions to improving the quality of lives in many areas. Job prospects for physics majors are excellent as the skills and experiences a student gains will be transferable to many other possible careers including engineering, medicine, education, biophysics, management and many other related fields.

Transferability depends on the four-year institution. If you are planning to major in physics at a four-year college or university, you will find MAT 201 Calculus I is the (lowest level) mathematics course in which the credits earned will count toward a BA or BS degree. If you are a student just entering and are not prepared to take MAT 201, you will need to take the prerequisite course(s). All courses will count toward the AS degree. Additional courses may be transferable to one or more of the public four-year colleges or universities in Colorado. For specific information, please see your advisor.

See the section on Scholarships and Awards for scholarship opportunities related to this program. For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

State Guaranteed General Education Requirements

(31 credits minimum across 5 content areas, plus 3 credits of COM required)

Communication - 6 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
_____	ENG 121 English Composition I	3
_____	ENG 122 English Composition II	3
_____	ENG 201 English Composition III: Writing for Public Discourse	3
_____	* COM 115 Public Speaking	3
_____	* COM 125 Interpersonal Communication	3

Mathematics 1 course (3-5 credits) Credits over 3 will be added to electives. (GT-MA1)

_____	MAT 121 College Algebra	4
_____	MAT 122 College Trigonometry	3
_____	MAT 201 Calculus I	5
_____	MAT 202 Calculus II	5
_____	MAT 203 Calculus III	4
_____	MAT 265 Differential Equations	3

Arts & Humanities 2 courses (6 credit hours)

Arts (GT-AH1)

_____	ART 110 Art Appreciation	3
_____	ART 111 Art History Ancient to Medieval	3
_____	ART 112 Art History Renaissance to Modern (1900)	3
_____	ART 207 Art History - 1900 to present	3
_____	DAN 125 History of Dance I	3
_____	MUS 120 Music Appreciation	3
_____	MUS 121 Music History I	3
_____	MUS 122 Music History II	3
_____	MUS 123 Survey of World Music	3
_____	MUS 125 History of Jazz	3
_____	THE 105 Theatre Appreciation	3
_____	THE 211 Development of Theatre I	3
_____	THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	HUM 115 World Mythology	3
_____	HUM 121 Early Civilizations	3
_____	HUM 122 From Medieval to Modern	3
_____	HUM 123 The Modern World	3
_____	LIT 115 Introduction to Literature I	3
_____	LIT 201 World Literature to 1600	3
_____	LIT 202 World Literature after 1600	3
_____	LIT 205 Ethnic Literature	3
_____	LIT 211 Survey of American Literature I	3
_____	LIT 212 Survey of American Literature II	3
_____	LIT 221 Survey of British Literature I	3
_____	LIT 222 Survey of British Literature II	3
_____	LIT 225 Introduction to Shakespeare	3
_____	LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	PHI 111 Introduction to Philosophy	3
_____	PHI 112 Ethics	3
_____	PHI 113 Logic	3
_____	PHI 114 Comparative Religions	3
_____	PHI 214 Philosophy of Religion	3
_____	PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	FRE 211 French Language III	3
_____	FRE 212 French Language IV	3
_____	GER 211 German Language III	3
_____	GER 212 German Language IV	3
_____	ITA 211 Italian Language III	3
_____	ITA 212 Italian Language IV	3
_____	JPN 211 Japanese Language III	3
_____	JPN 212 Japanese Language IV	3
_____	RUS 211 Russian Language III	3
_____	RUS 212 Russian Language IV	3
_____	SPA 211 Spanish Language III	3
_____	SPA 212 Spanish Language IV	3

Physics Emphasis

Associate of Science

Social & Behavioral Sciences 2 courses (6 credits). Select 2 courses, 1 of which must be History.

History (GT-HI1)

_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____	🔒 ECO 245 Environmental Economics	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3

Geography (GT-SS2)

_____	🔒 GEO 105 World Regional Geography	3
_____	🔒 GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology I	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

**If necessary to reach a minimum of 15 credits in Arts and Humanities, History, or Social and Behavioral Sciences, select 1 additional course (minimum 3 credits) from these categories.*

_____	🔒 1 additional course, if needed	3
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Physics Program Requirements Complete the following. Credits over 8 will be applied to the electives category. (GT-SC1)

_____	🔒 PHY 211 Physics: Calculus-based I with Lab	5
_____	🔒 PHY 212 Physics: Calculus-based II with Lab	5

Wellness Requirements Transfer Level (*) PED/OUT/DAN/HWE 100 or 111: 2 credits.

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS118. If you take the course, it will be applied to the elective credit.

Electives

24 credits in any of the Science or Mathematics disciplines (AST, BIO, CHE, ENV, GEY, MAT, MET, NRE-251 & NRE-252, PHY) numbered 100-299, designated as Guaranteed Transfer (🔒) or, general transfer (*) in the Course Description section or CIS 118 may be used if required.

Total Elective Credits (min. 24) _____

Total Credits Earned _____

State Guaranteed General Education Requirements (min. 31) _____

COM 115 or COM 125 (3 credits) _____

Wellness Requirement (min. 2) _____

Electives (min. 24) _____

Total credits toward Associate of Science degree (min. 60) _____

Statewide Engineering Articulation Agreement

Associate of Science

Statewide Engineering Articulation Agreement. Colorado Mountain College participates in the statewide agreement for students pursuing baccalaureate majors in Colleges of Engineering or their equivalent. This articulation agreement provides varied options and rich opportunities for Colorado students to pursue engineering programs at their school(s) of choice while respecting the mission and uniqueness of each school and addressing the issue of access and flexibility for students.

Institutional Graduation Requirements. The graduation requirements for an engineering transfer student will be the same as the graduation requirements for a native engineering student, as stipulated in the appropriate publications for the degree-granting institution.

Transfer Eligible Courses for Students Entering Baccalaureate Programs Offered by Colleges of Engineering or Their Equivalent. Under this engineering articulation agreement, general education requirements are specifically selected to comply with lower division course sequences that are pre-requisite to College of Engineering graduation requirements, and ABET¹ accredited baccalaureate majors. The following specified transfer courses meet general education competencies in mathematics, technology, critical thinking, and communication as specified in gtPathways.

The courses listed in each category below are eligible for transfer. The student must contact the institution to which they are transferring to determine which courses in each category apply to the degree requirements for a particular program. Those applicable courses, as determined by the institution to which the student is transferring, are guaranteed for transfer. Please go to http://higher.ed.colorado.gov/academics/transfers/agreements/engineering_200902.pdf and access the link for the institution to which you are transferring.

Mathematics

Calculus I
Calculus II
Calculus III
Differential Equations
Linear Algebra
Discrete Math
Probability and Statistics

Science

Calculus-Based Physics I
Calculus-Based Physics II
College Level Chemistry I with lab
College Level Chemistry II with lab
Biology I with lab
Biology II with lab

1 ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. Telephone 410-347-7700.

Please consult the institution to which you are transferring for specific course information in the following areas. You are required to contact an advisor at those institutions for specific recommendations and the appropriate faculty representative from the pertinent academic units.

Arts & Humanities and Social & Behavioral Sciences

Transferred courses vary by program. Institutions have specific degree requirements in this area. These courses may also satisfy gtPathways.

Communication

Transferred courses vary by program. Institutions have specific degree requirements in this area. These courses may also satisfy gtPathways.

Additional transfers in the engineering major, supporting courses, and electives will be handled on a case-by-case basis in accordance with the transfer policies in force at each institution.

Students are responsible for contacting an advisor at the transferring and destination institutions. Transfer students will be advised with the object of assuring the continued success of transfer students in engineering programs.

Grade Eligibility. Only academic courses with a letter grade of “C-” or better will be accepted for transfer, though competitive admissions standards may require minimum grades of “B” in science, mathematics, and engineering courses.

Statute of Limitations. The destination college or university will accept all approved credits earned within ten years of transfer, provided that course content has not changed substantially within that time period. Credits earned more than ten years earlier may be evaluated on a case-by-case basis.

Associate of General Studies Degrees

Associate of General Studies



ED KOSMINSKI

Plenty of help when you need it.

Associate of General Studies Degrees

Colorado Mountain College offers two types of Associate of General Studies degrees: the Generalist degree and program-specific AGS degrees.

AGS Degree Requirements

All AGS degrees (with the exception of the AGS-Generalist degree) are the result of articulation agreements with public baccalaureate degree-granting institutions. They are transferable only into the particular program identified by the articulation agreement. These include Criminal Justice, Elementary Education, Engineering, and Outdoor Recreation Leadership. Consult with your academic advisor for additional information.

To be accepted into an AGS program, you must demonstrate college-level proficiency through ACT/SAT scores, college transcripts or placement tests. Inadequate skills in reading, writing and mathematics may require you to enroll in developmental studies

courses before enrolling in courses required for the degree. This could affect the sequence in which you can take courses and may extend the time required to earn your degree. For more details please see the Academic Placement and Testing section.

Please note that recent changes to the Colorado Department of Education's policy for Higher Education Admissions Requirements (HEAR) stipulate that students wishing to enter or transfer to any public four-year school in Colorado must successfully complete at least one year of foreign language at the high school level. If you have not fulfilled this requirement, please be advised that you are required to take FRE 111, GER 111, ITA 111, JPN 111, RUS 111, or SPA 111 to gain admittance to a four-year school. Although these courses do not fulfill the Guaranteed Transfer Arts and Humanities requirement, they do count as five elective credits.

Specific course requirements are listed on the Associate of General Studies checklists found on the College web site.

To graduate, a student must have a cumulative grade point average of 2.0 ("C" average) or "P" (passing) or better on all courses taken at Colorado Mountain College. At least 80 percent of the semester credits applied toward graduation must be letter graded.

You must earn 45 credits at Colorado Mountain College or, if transferring previous credits, a minimum of 15 college-level credit hours must be earned at Colorado Mountain College. Awarded or non-traditional credit may not be used to fulfill this requirement. No more than six credits of work experience, internship, special topics, and/or cooperative education may be applied toward graduation.

If you already have a Colorado Mountain College degree, you must earn at least 15 additional credits, not already applied to the first degree, to receive a second degree. Please see our web site at www.coloradomtn.edu for the most current information.

Generalist

Associate of General Studies

Associate of General Studies-Generalist Degree This degree includes a basic core of General Education courses in specific discipline areas listed below. In addition, you may select up to 41 elective credits in any one academic discipline, area of personal interest, or occupational field. You must consult with an advisor to develop a written plan of objectives, and identify courses you will need to take to meet the requirements of this degree. The plan must be approved by your advisor.

The Associate of General Studies: Generalist degree is offered at all Colorado Mountain College campuses. Not every course is offered on every campus.

General Education Requirements

Communication - 3 credits ENG plus 3 credits COM (GT-C01-3)

GRADE/SEM	COURSE #	CREDIT
_____	🔒 ENG 121 English Composition I	3
_____	🔒 ENG 122 English Composition II	3
_____	🔒 ENG 201 English Composition III: Writing for Public Discourse	3
_____	* COM 115 Public Speaking	3
_____	* COM 125 Interpersonal Communication	3

Mathematics/Science Minimum 3 credits from the following courses.

*Students who take MAT 155 must also take MAT 156 to satisfy this requirement. Students who take SCI 155 must also take SCI 156 to satisfy this requirement. (GT-MA1)

_____	🔒 AST 101 Astronomy I	4
_____	🔒 AST 102 Astronomy II	4
_____	🔒 BIO 105 Science of Biology	4
_____	🔒 BIO 111 General College Biology I	5
_____	🔒 BIO 112 General College Biology II	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	🔒 BIO 204 Microbiology	4
_____	🔒 BIO 221 Botany	5
_____	🔒 CHE 101 Introduction to Chemistry I	5
_____	🔒 CHE 105 Chemistry in Context	5
_____	🔒 CHE 111 General College Chemistry I	5
_____	🔒 CHE 112 General College Chemistry II	5
_____	🔒 ENV 101 Introduction to Environmental Science	4
_____	🔒 GEO 111 Physical Geography	4
_____	🔒 GEO 112 Physical Geography: Weather and Climate	4
_____	🔒 GEY 111 Physical Geology	4
_____	🔒 GEY 121 Historical Geology	4
_____	🔒 MAT 120 Math for Liberal Arts	4
_____	🔒 MAT 121 College Algebra	4
_____	🔒 MAT 125 Survey of Calculus	4
_____	🔒 MAT 135 Introduction to Statistics	3
* _____	🔒 MAT 155 Integrated Math I (for teacher prep only)	3
	<i>AND</i>	
_____	🔒 MAT 156 Integrated Math II (for teacher prep only)	3
_____	🔒 MAT 201 Calculus I	5
_____	🔒 MAT 202 Calculus II	5
_____	🔒 MAT 203 Calculus III	4
_____	🔒 MAT 265 Differential Equations	3

_____	🔒 MET 150 General Meteorology	4
_____	🔒 NRE 251 General Oceanography I	3
_____	🔒 PHY 105 Conceptual Physics	4
_____	🔒 PHY 107 Energy Science and Technology	4
_____	🔒 PHY 111 Physics: Algebra-Based I with Lab	5
_____	🔒 PHY 112 Physics: Algebra-Based II with Lab	5
_____	🔒 PHY 211 Physics: Calculus-Based I with Lab	5
_____	🔒 PHY 212 Physics: Calculus-Based II with Lab	5
* _____	🔒 SCI 155 Integrated Science I (for teacher prep only)	4
	<i>AND</i>	
_____	🔒 SCI 156 Integrated Science II (for teacher prep only)	4

Social and Behavioral Sciences 3 credits from the following courses. (GT-HI1 and SS1-3)

_____	🔒 ANT 101 Cultural Anthropology	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	🔒 ANT 108 Archaeology of World Rock Art	3
_____	🔒 ANT 111 Physical Anthropology	3
_____	🔒 ANT 201 Introduction to Forensic Anthropology	3
_____	🔒 ANT 215 Indians of North America	3
_____	🔒 GEO 105 World Regional Geography	3
_____	🔒 GEO 106 Human Geography	3
_____	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒 HIS 102 Western Civilization: 1650 - Present	3
_____	🔒 HIS 111 The World: Antiquity - 1500	3
_____	🔒 HIS 112 The World: 1500 - Present	3
_____	🔒 HIS 201 U.S. History to Reconstruction	3
_____	🔒 HIS 202 U.S. History Since the Civil War	3
_____	🔒 HIS 208 American Indian History	3
_____	🔒 HIS 215 Women in U.S. History	3
_____	🔒 HIS 225 Colorado History	3
_____	🔒 HIS 236 U.S. History Since 1945	3
_____	🔒 HIS 243 History of Modern China	3
_____	🔒 HIS 244 History of Latin America	3
_____	🔒 HIS 245 U.S. in the World	3
_____	🔒 HIS 247 20th Century World History	3
_____	🔒 HIS 255 The Middle Ages	3
_____	🔒 HIS 260 U.S. Foreign Relations	3
_____	🔒 JOU 105 Introduction to Mass Media	3
_____	🔒 POS 105 Introduction to Political Science	3
_____	🔒 POS 111 American Government	3
_____	🔒 POS 125 American State and Local Government	3
_____	🔒 PSY 101 General Psychology I	3
_____	🔒 PSY 102 General Psychology II	3
_____	🔒 PSY 205 Psychology of Gender	3
_____	🔒 PSY 217 Human Sexuality	3
_____	🔒 PSY 226 Social Psychology	3
_____	🔒 PSY 235 Human Growth and Development	3
_____	🔒 PSY 238 Child Development	3
_____	🔒 PSY 249 Abnormal Psychology	3
_____	🔒 SOC 101 Introduction to Sociology	3
_____	🔒 SOC 102 Introduction to Sociology II	3
_____	🔒 SOC 205 Sociology of Family Dynamics	3
_____	🔒 SOC 207 Environmental Sociology	3
_____	🔒 SOC 215 Contemporary Social Problems	3
_____	🔒 SOC 216 Sociology of Gender	3
_____	🔒 SOC 218 Sociology of Diversity	3
_____	🔒 SOC 237 Sociology of Death and Dying	3

Generalist

Associate of General Studies

Arts & Humanities 3 credits from the following courses.

Arts (GT-AH1)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern (1900)	3
_____	🔒 ART 207 Art History - 1900 to present	3
_____	🔒 DAN 125 History of Dance I	2
_____	🔒 MUS120 Music Appreciation	3
_____	🔒 MUS 121 Music History I	3
_____	🔒 MUS 122 Music History II	3
_____	🔒 MUS 123 Survey of World Music	3
_____	🔒 MUS 125 History of Jazz	3
_____	🔒 THE 105 Theatre Appreciation	3
_____	🔒 THE 211 Development of Theatre I	3
_____	🔒 THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	🔒 HUM 115 World Mythology	3
_____	🔒 HUM121 Early Civilizations	3
_____	🔒 HUM122 From Medieval to Modern	3
_____	🔒 HUM123 The Modern World	3
_____	🔒 LIT 115 Introduction to Literature I	3
_____	🔒 LIT 201 World Literature to 1600	3
_____	🔒 LIT 202 World Literature after 1600	3
_____	🔒 LIT 205 Ethnic Literature	3
_____	🔒 LIT 211 Survey of American Literature I	3
_____	🔒 LIT 212 Survey of American Literature II	3
_____	🔒 LIT 221 Survey of British Literature I	3
_____	🔒 LIT 222 Survey of British Literature II	3
_____	🔒 LIT 225 Introduction to Shakespeare	3
_____	🔒 LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 114 Comparative Religions	3
_____	🔒 PHI 214 Philosophy of Religion	3
_____	🔒 PHI 218 Environmental Ethics	3

Foreign Languages (GT-AH4)

_____	🔒 FRE 211 French Language III	3
_____	🔒 FRE 212 French Language IV	3
_____	🔒 GER 211 German Language III	3
_____	🔒 GER 212 German Language IV	3
_____	🔒 ITA 211 Italian Language III	3
_____	🔒 ITA 212 Italian Language IV	3
_____	🔒 JPN 211 Japanese Language III	3
_____	🔒 JPN 212 Japanese Language IV	3
_____	🔒 RUS 211 Russian Language III	3
_____	🔒 RUS 212 Russian Language IV	3
_____	🔒 SPA 211 Spanish Language III	3
_____	🔒 SPA 212 Spanish Language IV	3

Transfer & State Guaranteed General Education Electives

Minimum 18 credits. Courses numbered 100-299 which have an asterisk (*) or State Guarantee General Education (🔒) denotation in course description section of the catalog (No PED 100-249 or PED 275 courses allowed for this requirement):

Total General Education Electives (min.18) _____

Other Electives (minimum 25 credits) Selected from courses numbered 100-299) in the Course Description section and CIS 118, if required. No PED 100-249 or PED 275 courses allowed for this requirement.

Wellness Requirements Transfer Level (*) PED/OUT/DAN/HWE 100 or 111: 2 credits

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Total Credits Earned

State Guarantee General Education (min. 15)	_____
State Guarantee & Transfer Electives (min. 18)	_____
Other Electives (min. 25)	_____
Wellness Requirements (min. 2)	_____
Total credits toward Associate of General Studies degree (min. 60)	_____



The Aspen Campus, home for learning and the arts in a world-class setting.

CMC & CU-Boulder Mechanical Engineering Articulation Agreement

Associate of General Studies

Associate of General Studies: CMC & CU-Boulder Mechanical Engineering

The community college engineering Associate of General Studies is a broad engineering discipline that incorporates skills and expertise in the areas of design, manufacturing, mechanics and thermal sciences essential to most sectors of industry and society.

This two-year degree is designed to transfer to the University of Colorado at Boulder's College of Engineering and Applied Science. There you may earn a Bachelor of Science degree in one of twelve majors. See the Colorado "Statewide Engineering Articulation Agreement" and "University of Colorado at Boulder Course Matrix" at <http://higher.ed.colorado.gov/Academics/Transfers/> for more information, as well as competitive transfer criteria for admission to the CU-Boulder College of Engineering and Applied Science at <http://www.colorado.edu/prospective/transfer/admission/criteria.html>.

It is highly recommended that the student intending to transfer from CMC keep in contact each semester with a faculty or staff advisor from their intended major department or degree program at CU-Boulder.

For information about the program, contact Stephen Craig (engineering program director and mathematics professor) at 970-870-4486 or email at sccraig@coloradomtn.edu.

Graduates of the program will receive an Associate of General Studies Degree in Community College Engineering.

The Community College Engineering degree is offered at Steamboat Springs. See the course description section for more information about these courses.

State Guaranteed General Education Requirements

Mathematics 4 courses (18 credits) (GT-MA1)

GRADE/SEM	COURSE #	CREDIT
	🔒 MAT 201 Calculus I	5
	🔒 MAT 202 Calculus II	5
	🔒 MAT 203 Calculus III	4
	🔒 MAT 266 Differential Equations w/ Linear Algebra	4
		18

Science 4 courses (18 credits) (GT-SC1)

	🔒 CHE 111 Chemistry I with Lab	5
	🔒 PHY 211 Physics I: Calculus Based	5
	🔒 PHY 212 Physics II: Calculus Based	5
	🔒 PHY 213 Physics III: Calculus Based	3
		18

General Education 4 courses (12 credits) (GT-SS-1 and HI1)

	🔒 ECO 201 Principles of Macroeconomics	3
	🔒 ECO 202 Principles of Microeconomics	3
	🔒 HIS 101 Western Civilization: Antiquity - 1650	3
		9

PLUS

Choose 1 course (3 credits) from the following: (GT-AH3, HI1, SS1 and SS3)

	🔒 PHI 111 Introduction to Philosophy	3
	🔒 PHI 112 Ethics	3
	🔒 PHI 113 Logic	3
	🔒 HIS 102 Western Civilization: 1650 - Present	3
	🔒 HIS 201 U.S. History to Reconstruction	3
	🔒 HIS 202 U.S. History Since the Civil War	3
	🔒 PSY 101 General Psychology I	3
	🔒 LIT 201 Masterpieces of Literature I	3
	🔒 POS 111 American Government	3
		12

Engineering Program Requirements 6 courses (18 credits)

	CAD 101 Computer Aided Design I	3
	* EGG 130 Introduction to Engineering Computing	3
	OR	
	* EGG 230 Thermodynamics	3
	* EGG 140 First Year Engineering Projects	3
	* EGG 206 Mechanics of Solids	3
	* EGG 211 Engineering Mechanics I - Statics	3
	* EGG 212 Engineering Mechanics II - Dynamics	3
		18

Total credits earned

Mathematics (18)	_____
Science (18)	_____
General Education Requirements (12)	_____
Engineering (18)	_____
Total transfer credits allowed	_____
Total credits toward Associate of General Studies Community College Engineering Emphasis (min. 66)	_____

CMC & Mesa State College Criminal Justice Articulation Agreement

Associate of General Studies

Associate of General Studies: Criminal Justice Emphasis This is a transfer program with Mesa State College which allows students who complete the following curriculum to transfer to Mesa State College. There you may earn a Bachelor of Arts degree in Criminal Justice. Under the terms of this agreement, you will be admitted as a junior with no loss of credit. You must have a “C” or better in each Colorado Mountain College course attempted in order for this agreement to be valid.

A transfer guide is in place for those who are planning to transfer to the University of Colorado at Denver. Please see your advisor and work with an advisor at CU-Denver if you are planning to transfer to that institution.

You must demonstrate college-level skills proficiency in reading, writing, and mathematics as a part of acceptance into this program. Your proficiency may affect the sequence of courses in which you may enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section.

The Gavin D. Litwiller Scholarship can provide financial assistance for students; see the Financial Aid and Scholarship section for details.

For a list of CMC campuses offering this program, please see the *Where Our Programs are Offered* table on page 33. Not every course is offered on every campus.

Graduates of the program will receive an Associate of General Studies Degree in Criminal Justice.

State Guaranteed General Education Requirements

Communication 9 credits (GT-C01-2)

GRADE/SEM	COURSE #	CREDIT
_____	🔒 ENG 121 English Composition I	3
_____	🔒 ENG 122 English Composition II	3
_____	* COM 115 Public Speaking	3
_____	OR	
_____	* COM 125 Interpersonal Communication	3

Mathematics 3 credits from the following courses (GT-MA1)

_____	🔒 MAT 120 Math for Liberal Arts	4
_____	🔒 MAT 121 College Algebra	4
_____	🔒 MAT 122 College Trigonometry	3
_____	🔒 MAT 123 Finite Mathematics	4
_____	🔒 MAT 125 Survey of Calculus	4
_____	🔒 MAT 135 Introduction to Statistics	3
_____	🔒 MAT 166 Pre-Calculus	5
_____	🔒 MAT 201 Calculus I	5
_____	🔒 MAT 202 Calculus II	5

Science 8 credits from the following courses (GT-SC1)

_____	🔒 AST 101 Astronomy I	4
_____	🔒 AST 102 Astronomy II	4
_____	🔒 BIO 105 Science of Biology	4
_____	🔒 BIO 111 General College Biology I	5
_____	🔒 BIO 112 General College Biology II	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	🔒 BIO 204 Microbiology	4

_____	🔒 BIO 221 Botany	5
_____	🔒 CHE 101 Introduction to Chemistry I	5
_____	🔒 CHE 105 Chemistry in Context	5
_____	🔒 CHE 111 General College Chemistry I	5
_____	🔒 CHE 112 General College Chemistry II	5
_____	🔒 ENV 101 Introduction to Environmental Science	4
_____	🔒 GEY 111 Physical Geology	4
_____	🔒 GEY 121 Historical Geology	4
_____	🔒 MET 150 General Meteorology	4
_____	🔒 PHY 107 Energy Science and Technology	4
_____	🔒 PHY 105 Conceptual Physics	4
_____	🔒 PHY 111 Physics: Algebra-Based I with Lab	5
_____	🔒 PHY 112 Physics: Algebra-Based II with Lab	5
_____	🔒 PHY 211 Physics: Calculus-Based I with Lab	5
_____	🔒 PHY 212 Physics: Calculus-Based II with Lab	5

Arts & Humanities 3 courses (9 credits). Select three courses, with no more than two courses from any one category.

Arts (GT-AH1)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern	3
_____	🔒 DAN 125 History of Dance I	3
_____	🔒 MUS 120 Music Appreciation	3
_____	🔒 MUS 121 Music History I	3
_____	🔒 MUS 122 Music History II	3
_____	🔒 MUS 123 Survey of World Music	3
_____	🔒 MUS 125 History of Jazz	3
_____	🔒 THE 105 Theatre Appreciation	3
_____	🔒 THE 211 Development of Theatre I	3
_____	🔒 THE 212 Development of Theatre II	3

Literature & Humanities (GT-AH2)

_____	🔒 HUM115 World Mythology	3
_____	🔒 HUM121 Early Civilizations	3
_____	🔒 HUM122 From Medieval to Modern	3
_____	🔒 HUM123 The Modern World	3
_____	🔒 LIT 115 Introduction to Literature I	3
_____	🔒 LIT 201 World Literature to 1600	3
_____	🔒 LIT 202 World Literature after 1600	3
_____	🔒 LIT 205 Ethnic Literature	3
_____	🔒 LIT 211 Survey of American Literature I	3
_____	🔒 LIT 212 Survey of American Literature II	3
_____	🔒 LIT 221 Survey of British Literature I	3
_____	🔒 LIT 222 Survey of British Literature II	3
_____	🔒 LIT 225 Introduction to Shakespeare	3
_____	🔒 LIT 268 Celtic Literature	3

Ways of Thinking (GT-AH3)

_____	🔒 PHI 111 Introduction to Philosophy	3
_____	🔒 PHI 112 Ethics	3
_____	🔒 PHI 113 Logic	3
_____	🔒 PHI 218 Environmental Ethics	3

Continued on page 70

CMC & Mesa State College Criminal Justice Articulation Agreement

Associate of General Studies

Continued from page 69

Foreign Languages (GT-AH4)

_____	🔒	FRE 211 French Language III	3
_____	🔒	FRE 212 French Language IV	3
_____	🔒	GER 211 German Language III	3
_____	🔒	GER 212 German Language IV	3
_____	🔒	ITA 211 Italian Language III	3
_____	🔒	ITA 212 Italian Language IV	3
_____	🔒	JPN 211 Japanese Language III	3
_____	🔒	JPN 212 Japanese Language IV	3
_____	🔒	RUS 211 Russian Language III	3
_____	🔒	RUS 212 Russian Language IV	3
_____	🔒	SPA 211 Spanish Language III	3
_____	🔒	SPA 212 Spanish Language IV	3

Social & Behavioral Sciences 3 courses (9 credit hours). Select 3 courses, 1 of which must be History, with no more than 2 courses from any 1 category

History (GT-HI1)

_____	🔒	HIS 101 Western Civilization: Antiquity - 1650	3
_____	🔒	HIS 102 Western Civilization: 1650 - Present	3
_____	🔒	HIS 111 The World: Antiquity - 1500	3
_____	🔒	HIS 112 The World: 1500 - Present	3
_____	🔒	HIS 201 U.S. History to Reconstruction	3
_____	🔒	HIS 202 U.S. History Since the Civil War	3
_____	🔒	HIS 208 American Indian History	3
_____	🔒	HIS 225 Colorado History	3
_____	🔒	HIS 236 U.S. History Since 1945	3
_____	🔒	HIS 244 History of Latin America	3
_____	🔒	HIS 247 20th Century World History	3
_____	🔒	HIS 255 The Middle Ages	3
_____	🔒	HIS 260 U.S. Foreign Relations	3

Economic & Political Systems (GT-SS1)

_____	🔒	ECO 201 Principles of Macroeconomics	3
_____	🔒	ECO 202 Principles of Microeconomics	3
_____	🔒	POS 105 Introduction to Political Science	3
_____	🔒	POS 111 American Government	3
_____	🔒	POS 125 American State and Local Government	3

Geography (GT-SS2)

_____	🔒	GEO 105 World Geography	3
_____	🔒	GEO 106 Human Geography	3

Human Behavior & Social Systems (GT-SS3)

_____	🔒	ANT 101 Cultural Anthropology	3
_____	🔒	ANT 107 Introduction to Archaeology	3
_____	🔒	ANT 111 Physical Anthropology	3
_____	🔒	ANT 215 Indians of North America	3
_____	🔒	JOU 105 Introduction to Mass Media	3
_____	🔒	PSY 101 General Psychology I	3
_____	🔒	PSY 102 General Psychology II	3
_____	🔒	PSY 217 Human Sexuality	3
_____	🔒	PSY 235 Human Growth and Development	3
_____	🔒	SOC 101 Introduction to Sociology I	3
_____	🔒	SOC 102 Introduction to Sociology II	3
_____	🔒	SOC 216 Sociology of Gender	3

Wellness Requirements Transfer Level (*) PED/OUT/DAN/ HWE 100 or 111: 2 credits

_____	_____
_____	_____
_____	_____
_____	_____

Criminal Justice Program Requirements 27 credits from the following list

_____	*	CIS 118 Introduction to PC Applications	3
_____	*	CRJ 110 Introduction to Criminal Justice	3
_____	*	CRJ 111 Substantive Criminal Law	3
_____		CRJ 112 Procedural Criminal Law	3
_____		CRJ 125 Law Enforcement Operations	3
_____		CRJ 135 Judicial Function	3
_____		CRJ 145 Correctional Process	3
_____		CRJ 208 Criminal Evidence	3
_____	*	CRJ 210 Constitutional Law	3
_____		CRJ 216 Juvenile Law and Procedures	3
_____	*	CRJ 220 Human Relations & Social Conflict	3
_____	*	CRJ 230 Criminology	3

Total Credits Earned

General Education (min. 38)	_____
Wellness Requirements (min. 2)	_____
Criminal Justice (min. 27)	_____
Total transfer credits allowed	_____
Total credits toward Associate of General Studies:	_____
Criminal Justice emphasis (minimum 67)	_____

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit.

Outdoor Recreation Leadership Emphasis

Associate of General Studies

Associate of General Studies: Outdoor Recreation Leadership Emphasis The goal of the Outdoor Recreation Leadership program is to train students to become knowledgeable and skilled leaders in a variety of adventure travel experiences. Graduates of this program can transfer to a four-year school or work as a leader in the many outdoor recreation fields. Articulation agreements have been completed with Colorado State University - Pueblo and Western State College's Department of Recreation.

The Outdoor Recreation Leadership program is academically challenging. A strong academic core transfer curriculum is combined with a variety of recreation, technical skills, and field orientation courses. The Outdoor Recreation Leadership program provides a strong foundation in transfer-level liberal arts and natural science courses.

The Outdoor Education certificate can be applied to the Outdoor Recreation Leadership program, satisfying approximately one semester of course work.

It is the student's responsibility to obtain the current year's admission packet. Applicants must be able to place into the following courses through acceptable scores on either SAT, ACT, or Accuplacer Placement Tests: college-level English composition (ENG121), College Algebra (MAT121), and be able to read at a college-level. For more details see the Academic and Placement Testing section. Please contact the admissions staff at Leadville at 1-719-486-4291 for a program packet.

A number of scholarships are available for Outdoor Recreation Leadership students. For more information, please see the Scholarship section.

General Education Requirements 21-22 credits

_____	🔒	BIO 111 General College Biology I with Lab	5
_____	*	BIO 222 General College Ecology	4
_____	*	COM115 Public Speaking	3
_____	OR		
_____	*	COM125 Interpersonal Communication	(3)
_____	🔒	ENG 121 English Composition I	3
_____	🔒	GEO 106 Human Geography	3
_____	🔒	MAT 121 College Algebra	4
_____	OR		
_____	🔒	MAT 135 Introduction to Statistics	(3)
			21-22

Program Requirements 41-42 credits

_____	*	HUM137 Wilderness & the American Ethic	3
_____	*	OUT 111 Mountain Orientation	2
_____	*	OUT 113 Canyon Orientation	2
_____	*	OUT 114 Snow Orientation	2
_____	OR		
_____	*	OUT 220 Ocean Orientation	(2)
_____	*	OUT 119 Swift Water Rescue Technician I	1
_____	OR		
_____	*	PER 150 Water Safety Instructor	(2)
_____	*	OUT 120 Orienteering	1
_____	*	OUT 295 Integrating Outdoor Leadership (Capstone)	4
_____	*	OUT ____Leadership Block (see below)	8
_____	*	PER 100 Recreation: Principles & Practice	3
_____	*	PER 152 Avalanche Safety I	1

_____		PER 200 Outdoor Recreation Programming	3
_____	*	PER 253 Outdoor Leadership	2
_____	*	PSY 211 Leadership Development	3
_____	*	🔒 General Education Electives (see below)	6-7
			41-42

Total credits toward Associate of General Studies

Minimum Credit Hours Required	62-64
Minimum Contact Hours Required	1415-1430

Colorado Mountain College Requirements

Colorado Mountain College requires its graduates to be proficient in computer use. To graduate, a student must demonstrate proficiency via an examination administered by the college or take CIS 118. If you take the course, it will be applied to the elective credit within the degree.

Required General Education Electives: 6-7 credits (Choose 2):

_____	🔒	ANT 101 Cultural Anthropology	3
_____	🔒	ENV 101 Introduction to Environmental Science	4
_____	*	MAN216 Small Business Management	3
_____	🔒	GEY 111 Physical Geology	4
_____	*	ANT 107 Introduction to Archaeology	3
_____	*	CIS 118 Introduction to PC Applications	3

Outdoor Recreation Leadership Skills Block Electives

(see your advisor for scheduling the following skill blocks)

Kayak Touring

_____	OUT 230 Kayak Touring Leadership Block	4
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Mountaineering

_____	OUT 232 Mountaineering Leadership Block	4
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Rock Climbing

_____	OUT 234 Rock Climbing Leadership Block	4
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Ice Climbing

_____	OUT 236 Ice Climbing Leadership Block	4
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Telemark Skiing

_____	OUT 238 Telemark Skiing Leadership Block	4
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White Water

_____	OUT 240 Whitewater Paddling Leadership Block	4
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This program operates on public lands and rivers with special permits from the U.S. Forest Service, Bureau of Land Management, Colorado State Parks, and the National Park Service.



Career & Technical Degrees and Certificates

Whatever direction you choose, the Career & Technical Education (CTE) Degrees and Certificates at Colorado Mountain College can lead you into a challenging career. Work experience allows you to practice your skills before job hunting. To stay current with the latest trends, we ask industry leaders to assist in developing and reviewing our CTE programs. Our interactive video network and web courses extend some of the coursework for these programs to additional locations.

The two-year Associate of Applied Science degree (CTE) programs include skills training and general education course work. The programs leading to a Certificate of Occupational Proficiency take one year or less to complete and usually provide only skills training. The following pages list the curriculum of each program, and the campuses where each is offered.

This section also describes the one year Certificates of Occupational Proficiency available at Colorado Mountain College.

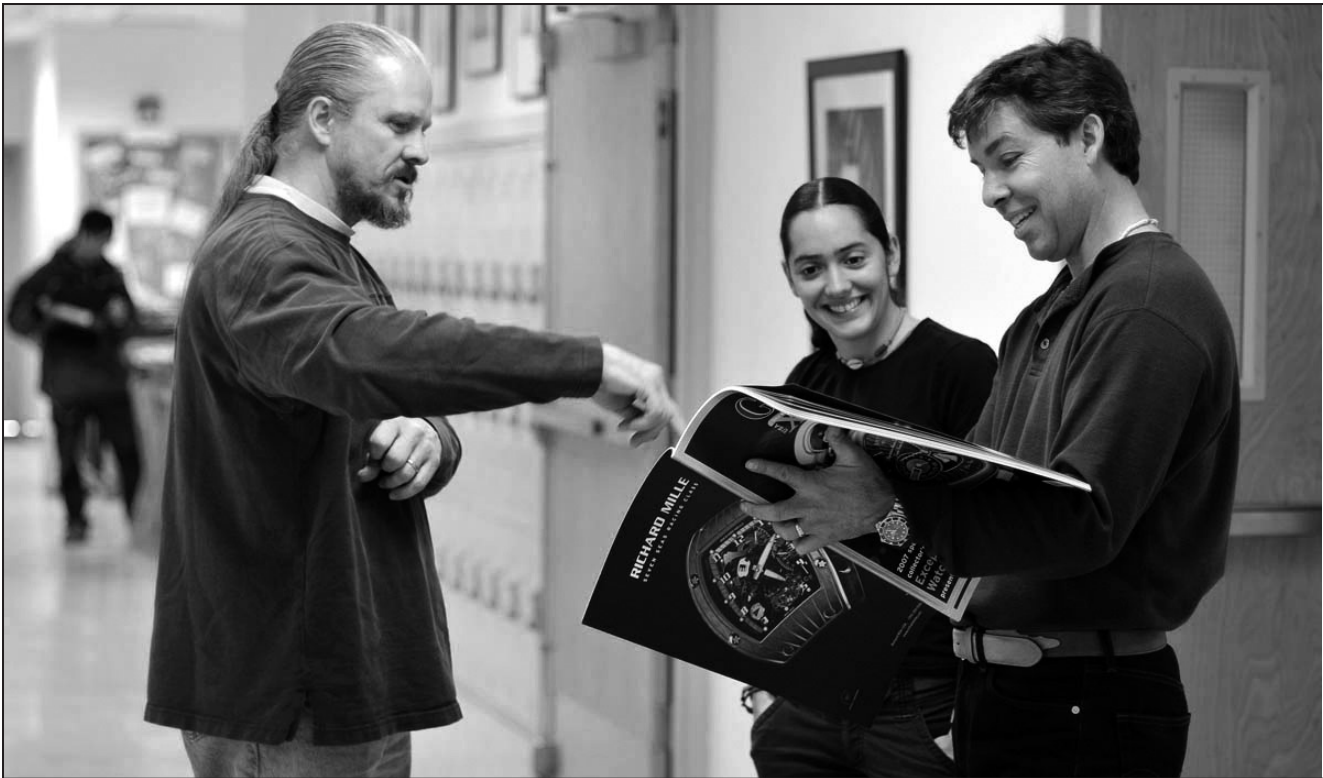
Associate of Applied Science Degree Requirements

All Associate of Applied Science Degree programs have the following minimum requirements:

1. Completion of at least 60 semester hours.
2. Achievement of a cumulative grade point average of 2.0 ("C" average), or "P" (passing) or better on all courses taken at Colorado Mountain College. At least 80 percent of the semester hours applied toward graduation must be letter graded.
3. Completion of 45 semester hours at Colorado Mountain College or, if transferring previous credits, a minimum of 15 college-level credit hours must be earned at Colorado Mountain College. Awarded or non-traditional credit may not be used to fulfill this requirement.
4. Fulfillment of all requirements of the specific program, including:
 - a. Completion of all CTE courses required in a specified occupational program.
 - b. Completion of a program of study which is directed toward meeting the student's declared intent and purpose for pursuing studies in a specific program. In addition to required CTE courses, it is recommended that courses be taken, where appropriate, from other areas which relate to the specific program being studied.
5. Completion of at least 15 semester hours of General Education courses as listed below or which are a part of the Associate of Arts Degree State Guarantee General Education Curriculum.
6. Courses in physical activities shall not be included in the 60 semester hours minimum except where specifically noted.
7. No more than six semester hours applied toward graduation may be Special Topics.
8. If you already have a Colorado Mountain College degree, you must earn at least 15 additional credits, not already applied to the first degree, to receive a second degree.



From EMT to paramedic, Colorado Mountain College provides training for medical emergency responders.



Student and teacher discussions enrich career learning.

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AAS General Education Options

In addition to the General Education classes listed for the Associate of Arts program, the following courses may also apply to your AAS General Education requirements.

Course Code	Course Name
AGR 266	Food Politics, Policies & People
BIO 230	Animal Anatomy & Physiology I
BIO 232	Animal Anatomy & Physiology II
BUS 115	Introduction to Business
BUS 217	Business Communication & Report Writing
CIS 118	Intro to PC Applications
ENG 115	Technical English & Communication
ENG 131	Technical Writing I
MAT 107	Career Math
MAT 108	Technical Math
PSY 106	Human Relations
PSY 211	Leadership Development

Certificates of Occupational Proficiency

Career and Technical Education (Certificate of Occupational Proficiency) certificate programs provide technical training in specific skills. The curriculum usually includes only job skills training and limited general education courses. However, you will be asked to demonstrate basic reading, writing and mathematics skills before entering certain certificate programs. Your proficiency may affect the sequence of courses in which you may enroll and may also extend the time required to complete your program. For more details please see the Academic Placement and Testing section.

Individual programs and courses have certain physical and academic standards which you may be required to meet before you are admitted to that program or enrolled in that course.

Please see a Colorado Mountain College academic counselor for details.

Certificates of Occupational Proficiency Requirements

1. Achievement of a cumulative grade point average of 2.0 ("C" average), or "P" (passing) or better on all courses taken at Colorado Mountain College. At least 80 percent of the semester hours applied toward graduation must be letter graded.
2. Fulfill all requirements of the specific program.
3. Have been enrolled at Colorado Mountain College as a part-time or full-time student for at least 10 semester hours. Awarded or non-traditional credit may not be used to fulfill this requirement. The exceptions are A+ Computer Technician, Basic Welding & Cutting, Emergency Medical Technician, Fire Academy II, Network +, Nurse Aide, Petroleum Technology, Real Estate, Retail & Repair Shop Technician II, Ski Patrol Operations Level I, Sustainable Cuisine Operations II, and any other certificates of 10 credits and fewer in which all classes must be taken at Colorado Mountain College.

Associate of Applied Science: Accounting The Accounting program provides you with entry-level skills in the field of accounting. Graduates will be prepared for employment as bookkeepers, accounting paraprofessionals, accounting assistants, and computer accounting assistants in public accounting, industry and government. If you are currently employed, the degree offers the opportunity for job upgrading. If you wish to transfer, consider the Associate of Arts: Business Emphasis program.

The program offers you the opportunity to develop a mixture of basic communication and mathematics skills, technical accounting and computer skills, and basic business skills necessary to succeed in a business world that increasingly relies on information processing communication.

The program also provides the technical skills necessary to prepare students for testing required for the American Institute of Professional Bookkeepers' (AIPB) Certified Bookkeeper (CB) designation; and for testing required for designation as an Accredited Tax Preparer® (ATP), Accredited Tax Advisor® (ATA), or Accredited Business Accountant® (ABA) conferred by the Accreditation Council for Accountancy and Taxation. The program also provides the accounting and business courses required to satisfy that portion of the education requirement in Colorado for the Certified Public Accountant examination administered by the American Institute of CPAs.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Your skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete this program. For more details see Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Accounting. The Accounting Degree is offered at all campuses. For a description of the courses, see the section on Courses. Following is a suggested sequence of courses. Accounting electives are listed under the certificate program. See your advisor for the suggested sequence of courses.

General Education Requirements (12-13 credits)

_____	🔒 ENG 121 English Composition I	3
_____	🔒 MAT 121 College Algebra	4
	<i>OR</i>	
_____	* BUS 226 Business Statistics	(3)
_____	* CIS 118 Introduction to PC Applications	3
_____	* COM 115 Public Speaking	3
		12-13

Program Requirements (48 credits)

_____	* ACC 121 Accounting Principles I	4
_____	* ACC 122 Accounting Principles II	4
_____	ACC 131 Income Tax	3
_____	ACC 235 Computerized Accounting for Small Businesses	3
_____	ACC ____ Accounting Electives	16
_____	* BUS 115 Introduction to Business	3
_____	* BUS 216 Legal Environment of Business	3
_____	* BUS 217 Business Communication and Report Writing	3
_____	CIS 155 PC Spreadsheet Concepts	3
	<i>OR</i>	
_____	ACC 135 Spreadsheet Applications for Accounting	(3)
_____	🔒 ECO 201 Principles of Macroeconomics	3
_____	🔒 ECO 202 Principles of Microeconomics	3
		48

Minimum Credit Hours Required _____ **60-61**
Minimum Contact hours Required _____ **900-915**

Certificate: Accounting In one year, the Accounting Certificate provides you with entry-level skills as an accounting clerk or bookkeeper. For a student who is currently employed, the certificate program provides an opportunity for job upgrading. This certificate will prepare students for the American Institute of Professional Bookkeepers (AIPB) certification.

Students must demonstrate college-level proficiency in reading, writing and mathematics before entering this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Accounting.

The Accounting Certificate is offered at all campuses. Following is a suggested sequence of courses. For a description of the courses, see the section on Courses. See your advisor to develop a personalized schedule.

_____	🔒 ENG 121 English Composition I	3
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	🔒 MAT 121 College Algebra	(4)
	<i>OR</i>	
_____	* BUS 226 Business Statistics	(3)
_____	* CIS 118 Introduction to PC Applications	3
_____	* ACC 121 Accounting Principles I	4
_____	* ACC 122 Accounting Principles II	4
_____	ACC 235 Computerized Accounting for Small Businesses	3
_____	ACC ____ Accounting Electives	9
_____	CIS 155 PC Spreadsheet Concepts	3
	<i>OR</i>	
_____	ACC 135 Spreadsheet Applications for Accounting	(3)
_____	* BUS 217 Business Communication and Report Writing	3

Minimum Credit Hours Required _____ **35-36**
Minimum Contact hours required _____ **525**

Accounting Electives for Certificate and Degree

_____	ACC 115 Payroll Accounting	3
_____	ACC 131 Income Tax	3
_____	ACC 138 Payroll and Sales Tax	3
_____	ACC 175 Special Topics	3
_____	ACC 211 Intermediate Accounting I	4
_____	ACC 212 Intermediate Accounting II	4
_____	ACC 215 Introduction to Accounting Information Systems & E-Business	3
_____	ACC 216 Governmental & Not-for-Profit Accounting	3
_____	ACC 226 Cost Accounting	3
_____	* ACC 231 Business Taxation	3
_____	ACC 232 Auditing	3
_____	ACC 275 Special Topics	3
_____	ACC 287 Cooperative Education	3
_____	ACC 294 Service Learning	3
_____	MAN225 Managerial Finance	3

Animal Shelter Management

Career & Technical Degrees and Certificates

Certificate: Animal Shelter Management This program has been developed for the student with a background in animal care, management and/or medicine who wishes to become involved in the animal shelter industry. There are many Humane Society, private non-profit, and government shelters throughout the United States and, at this time, there are few schooling options for anyone choosing this career path. This program is designed to provide students with the skills to enter a large shelter at the mid-management level or a small shelter at the management level.

This curriculum includes many of the courses included in the Associate of Applied Science degree in Veterinary Technology and credits may be applied toward that degree if you have met the admission requirements.

Students must demonstrate college-level proficiency in reading as a prerequisite for courses within this degree or certificate. Your proficiency may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

A minimum grade of "C" is required for all classes necessary for graduation with a certificate in Animal Shelter Management. Graduates of the program will receive a Certificate of Occupational Proficiency in Animal Shelter Management.

The Animal Shelter Management certificate is offered at Glenwood Springs-Spring Valley. See the section on Courses for more detail. Please see your advisor for a recommended sequence of courses.

_____	VET 100 Introduction to Veterinary Technology	2
_____	VET 102 Computer Applications for Veterinary Technicians	1
_____	VET 105 Animal Handling and Restraint	2
_____	VET 189 Work Experience	3
_____	VET 260 Veterinary Clinical Management	3
_____	* ACC 101 Fundamentals of Accounting	3
_____	* MAN216 Small Business Management	3
	<i>OR</i>	
_____	MAN200 Human Resources Management I	(3)
_____	* PSY 211 Leadership Development	3
	<i>OR</i>	
_____	* PSY 106 Human Relations	(3)
	<i>OR</i>	
_____	🏠 PSY 101 General Psychology I	(3)
_____	* COM115 Public Speaking	3
	<i>OR</i>	
_____	* COM125 Interpersonal Communication	(3)
	Minimum Credit Hours Required	23
	Minimum Contact Hours Required	375



The CARE Animal Shelter is located on the farm at Spring Valley.

Certificate: Automotive Service Technology This certificate will prepare students for a career in the auto service industry. Career areas include Automotive Service Technician with specialty areas that include: Electrical/Electronic Systems; Brakes; Suspension and Steering; Engine Performance; Heating and Air Conditioning.

Graduates of the program will receive a Certificate of Occupational Proficiency in Automotive Service Technology or in their specialty area.

Automotive Service Technology is offered through the CMC Campus in Edwards. Contact the Edwards campus for course schedule information. See the section called Courses for more detail.

Please see your advisor for a recommended sequence of courses.

_____	ASE 101 Auto Shop Orientation	2
_____	ASE 110 Brakes I	3
_____	ASE 120 Basic Automotive Electricity	2
_____	ASE 123 Battery, Starting & Charging	2
_____	ASE 130 General Engine Diagnosis	2
_____	ASE 132 Ignition System Diagnosis and Repair	2
_____	ASE 140 Steering and Suspension I	3
_____	ASE 161 Engine Disassembly, Diagnosis & Assembly	5
_____	ASE 210 Brakes II	3
_____	ASE 220 Specialized Electronic Training	2
_____	ASE 221 Automotive/Diesel Body Electrical	4
_____	ASE 231 Automotive/Diesel Computers	2
_____	ASE 240 Suspension and Steering II	3
_____	ASE 265 Heating & Air Conditioning	5

Minimum Credit Hours: _____ **40**
Minimum Contact Hours: _____ **900**

Specialty Certificates

Electrical/Electronic Systems

_____	ASE 101 Auto Shop Orientation	2
_____	ASE 120 Basic Automotive Electricity	2
_____	ASE 123 Battery, Starting & Charging	2
_____	ASE 130 General Engine Diagnosis	2
_____	ASE 220 Specialized Electronic Training	2
_____	ASE 221 Automotive/Diesel Body Electrical	4
_____	ASE 231 Automotive/Diesel Computers	2

Total Required Credits for Certificate: 16

Brakes

_____	ASE 101 Auto Shop Orientation	2
_____	ASE 110 Brakes I	3
_____	ASE 210 Brakes II	3

Total Required Credits for Certificate: 8

Suspension & Steering

_____	ASE 101 Auto Shop Orientation	2
_____	ASE 140 Steering and Suspension I	3
_____	ASE 240 Suspension and Steering II	3

Total Required Credits for Certificate: 8

Engine Performance

_____	ASE 101 Auto Shop Orientation	2
_____	ASE 130 General Engine Diagnosis	2
_____	ASE 161 Engine Disassembly, Diagnosis & Assembly	5

Total Required Credits for Certificate: 9

Heating & Air Conditioning

_____	ASE 101 Auto Shop Orientation	2
_____	ASE 120 Basic Automotive Electricity	2
_____	ASE 265 Heating & Air Conditioning	5

Total Required Credits for Certificate: 9

Colorado Law Enforcement Training Academy

Career & Technical Degrees and Certificates

Certificate: (CLETA) The Colorado Law Enforcement Training Academy includes the basic training and certification required for employment as a law enforcement officer in the state of Colorado. This program covers procedures, investigation techniques, laws and technical skills.

Colorado Mountain College will not accept LEA-106, LEA-107, or LEA-108 in transfer, and also will not accept challenge for these courses. To enroll in these courses you must be admitted to the Colorado Mountain College Academy, or be currently employed as a police officer in the state of Colorado, or have permission of the Academy Director. Students are responsible for all associated costs some of which are: CBI background check, and POST certification.

This program is academically challenging. Students must demonstrate proficiency in reading, writing, and mathematics at the 060 level. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section.

No person who has been convicted of a felony OR certain misdemeanor offenses may be certified to serve as a peace officer or reserve peace officer in the state of Colorado.

It is the responsibility of each applicant to determine their eligibility for certification prior to enrolling in this training program.

Graduates of the program will receive a Certificate of Occupational Proficiency in Colorado Law Enforcement Training Academy (CLETA).

CLETA training is offered at Glenwood Springs-Spring Valley Campus and Buena Vista. CLETA is a POST-approved training academy. See the Course Description section for more detail.

_____	LEA 101 Basic Police Academy I	6
_____	LEA 102 Basic Police Academy II	12
_____	LEA 105 Basic Law	8
_____	LEA 106 Arrest Control Techniques	3
_____	LEA 107 Law Enforcement Driving	3
_____	LEA 108 Firearms	3
_____	LEA 123 Law Enforcement Survival Spanish	1
	Minimum Credit Hours Required	36
	Minimum Contact Hours Required	600

We strongly recommend that you have a current First Aid and infant/child CPR certification at the time of graduation. The following course is recommended:

_____	HWE 103 Community First Aid & Safety	.5
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Colorado Mountain College Law Enforcement graduates are sought by agencies throughout the region.

Associate of Applied Science: Culinary Arts Career opportunities for professional chefs represent one of the fastest growing employment fields in the United States.

The Culinary Arts program combines an Associate of Applied Science degree with a 4000-hour (minimum), European-style, American Culinary Federation (ACF) approved apprenticeship. Students study the classical foundations of modern cuisine, as well as a broad scope of business courses designed to prepare individuals for the challenges of today's food service industry. Additionally, students are able to complete two certificates as they progress through the program; Certificate of Garde Manger in the first year and Apprentice Cook Certificate in the second year.

This is a very demanding program, running nine consecutive semesters during three years. Students average a five-day workweek in a variety of resort kitchens and usually attend classes one day a week. All students are registered as apprentices with the (ACF).

This program has selective admission requirements. Admission criteria may change from year to year. Therefore, it is the student's responsibility to obtain the current year's admission packet. An admission packet can be obtained by contacting Pre-Enrollment Services. You must be selected for admission to enroll in this program.

Students must demonstrate college-level reading, writing, and mathematical skills before entering this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete the program. For more details, see the Academic Placement and Testing section.

Graduates of the program earn an Associate of Applied Science Degree of Culinary Arts and are also eligible to be awarded Certified Sous Chef credentials by the American Culinary Federation. Certified Sous Chef is the second level of certification issued on the way to becoming a Certified Executive Chef.

The Culinary Arts Institute Scholarship is available at the Summit Campus (Dillon and Breckenridge) and HERO Scholarships are available at Edwards. See the scholarship section for application information.

Culinary Arts is offered at Dillon, Breckenridge, and Edwards. Please see your advisor for a recommended sequence of courses.

General Education Requirements for AAS degree

* MAT 107 Career Math	3
OR	
🔒 MAT 121 College Algebra	(4)
* CIS 118 Introduction to PC Applications	3
🔒 ENG 121 English Composition I	3
* COM 115 Public Speaking	3
OR	
* COM 125 Interpersonal Communication	(3)
* Advised General Education Elective	3
	15-16

Program Requirements First Year: Garde Manger Certificate of Occupational Proficiency

CUA 101 Food Safety and Sanitation	2
CUA 121 Introduction to Food Production Principles and Practices	1
CUA 122 Introduction to Stocks, Soups and Sauces	1
CUA 123 Introduction to Garde Manger	1
CUA 124 Vegetable Preparation and Breakfast Cookery	1
CUA 126 Intermediate Soups and Sauces	1
CUA 131 Starches, Pastas, Casseroles and Grain Products	1
CUA 156 Nutrition for the Hospitality Professional	3
CUA 182 Culinary Arts Practicum I	3
CUA 183 Culinary Arts Practicum II	3
CUA 242 Intermediate Garde Manger	1
CUA 251 Advanced Garde Manger: Hors D'Oeuvres	1
	19

Program Requirements Second Year: Apprentice Cook Certificate of Occupational Proficiency

CUA 130 Center of the Plate: Poultry	1
CUA 135 Center of the Plate: Beef and Veal	1
CUA 137 Center of the Plate: Fish and Seafood	1
CUA 138 Food & Beverage Service	2
CUA 139 Center of the Plate: Pork, Lamb, and Game	1
CUA 141 Baking: Principles and Ingredients	1
CUA 142 Basic Yeast-Raised Products and Quick Breads	1
CUA 143 Baking: Cakes, Pies, Pastries and Cookies	1
CUA 184 Culinary Arts Practicum III	3
CUA 253 Advanced Seminar in Sauce	1
CUA 255 Supervision in the Hospitality Industry	3
CUA 282 Culinary Practicum IV	3
	19

Program Requirements Third Year: AAS Degree Completion requirements along with the General Education courses

CUA 261 Costs Controls	3
CUA 265 Menu Development and Planning	4
CUA 283 Culinary Arts Practicum V	3
CUA 284 Culinary Arts Practicum VI	3
	13

Minimum Credit Hours Required

66-67

Minimum Contact Hours Required

4817.5-4832.5

Associate of Applied Science: Sustainable Cuisine. Sustainable Cuisine explores developing a food system that is healthy for individuals, communities, the economy, and the environment, as well as delicious. Students will discover the relationship of food and the culinary arts to agriculture, food processing and distribution, ecology, ethics, nutrition, health, economics, foodservice operations, politics, culture, and aesthetics from a perspective of sustainability. This unique program prepares students for the emerging challenges and opportunities involved in creating sustainable food systems and foodservice operations.

The AAS degree in Sustainable Cuisine and the Certificate in Sustainable Food Systems require students to attend at least one spring, summer, and fall term in order to experience agroecology in a variety of seasons. Students earning the AAS degree will also earn both the Certificate in Sustainable Food Systems and the Certificate in Sustainable Foodservice Operations.

Students must demonstrate college-level reading, writing, and mathematical skills as pre-requisites for courses within this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete the program. For more details, see the Academic Placement and Testing section.

Graduates of the program earn an Associate of Applied Science Degree in Sustainable Cuisine.

The Sustainable Cuisine program is offered at the Edwards campus. Please see your advisor for a recommended sequence of courses.

General Education Requirements (16 credits)

_____	AGR 266 Food Politics, Policies, and People	3
_____	ENG 121 English Composition I	3
_____	ENV 101 Introduction to Environmental Science	4
_____	MAT 107 Career Math (or higher)	3
_____	Advised General Education Elective	3
		16

Program Requirements (48 credits)

_____	AGR 120 Agroecology I	2
_____	AGR 122 Agroecology II	2
_____	AGR 124 Agroecology III	2
_____	CUA 101 Food Safety and Sanitation	2
_____	CUA 115 Introduction to Sustainable Cuisine	2
_____	CUA 118 Vegetable Preparation	1
_____	CUA 121 Introduction to Food Production Principles and Practices	1
_____	CUA 122 Introduction to Stocks, Soups, and Sauces	1
_____	CUA 123 Introduction to Garde Manger	1
_____	CUA 126 Intermediate Soups and Sauces	1
_____	CUA 128 Breakfast Preparation and Cookery	1
_____	CUA 129 Center of the Plate	4
_____	CUA 131 Starches, Pastas, Casseroles and Grain Products	1
_____	CUA 138 Food and Beverage Service	2
_____	CUA 141 Baking: Principles and Ingredients	1
_____	CUA 142 Basic Yeast-Raised Products and Quick Breads	1
_____	CUA 143 Baking: Cakes, Pies, Pastries and Cookies	1
_____	CUA 156 Nutrition for the Hospitality Professional	3
_____	CUA 180 Internship	3

_____	CUA 242 Intermediate Garde Manger	1
_____	CUA 251 Advanced Garde Manger: Hors D'Oeuvres	1
_____	CUA 253 Advanced Seminar in Sauce	1
_____	CUA 255 Supervision in the Hospitality Industry	3
_____	CUA 261 Costs Controls	3
_____	CUA 264 Sustainable Foodservice Operations	3
_____	CUA 265 Menu Development and Planning	4
		48

Minimum Credit Hours Required

64

Minimum Contact Hours Required

1237.5

Certificate: Sustainable Food Systems The certificate in Sustainable Food Systems is designed for students who want to specialize in growing sustainable food. In addition to learning about general issues encompassing sustainable cuisine, this certificate focuses on environmental science and agriculture. Students will learn how to grow food that is healthy for individuals, our communities and our planet. Students will gain skills to work as small farmers, gardeners, or consultants to foodservice operators eager to join the finest restaurants and hotels in growing all or part of the food used.

Students will have the opportunity for hands-on application of agricultural and environmental theories in three Agroecology courses. The Agroecology courses focus on the relationship between agriculture and the natural environment and thus are scheduled in accordance with the seasons: I, II and III are offered in the spring, summer and fall respectively. Although Food Politics, Policies and People is formally an agriculture course since most food policies concern agriculture, it covers a broad array of social impacts (health and nutrition, cost of food, employment, land and water use, use of GMOs, carbon footprint, etc.) of food policies.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this program. Skills in this area may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program..

Graduates of the program receive a Certificate of Occupational Proficiency in Sustainable Food Systems

The Sustainable Cuisine program is offered at the Edwards campus. The courses are described in the Course Description section. Please see your advisor for a recommended sequence of courses.

_____	AGR 120 Agroecology I	2
_____	AGR 122 Agroecology II	2
_____	AGR 124 Agroecology III	2
_____	AGR 266 Food Politics, Policies, and People	3
_____	CUA 115 Introduction to Sustainable Cuisine	2
_____	ENV 101 Introduction to Environmental Science	4
		15
	Minimum Credit Hours Required	15
	Minimum Contact Hours Required	285

Continued on page 80

Continued from page 79

Certificate: Sustainable Cuisine Operations I This certificate introduces students to the challenges and opportunities presented in the rapidly expanding segment of foodservice operations based on the dynamic principles of sustainability. Students will learn about foodservice sustainability issues, basic cooking skills, and the essentials for working in a successful sustainable foodservice operation.

The curriculum includes many courses included in the Associate of Applied Science in Culinary Arts and courses may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in this area may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Sustainable Cuisine Operations I.

The Sustainable Cuisine Operations I certificate is offered at Edwards. The courses are described in the Course Description section. Please see your advisor for a recommended sequence of courses.

_____	CUA 101 Food Safety and Sanitation	2
_____	CUA 115 Introduction to Sustainable Cuisine	2
_____	CUA 121 Introduction to Food Production Principles and Practices	1
_____	CUA 122 Introduction to Stocks, Soups, and Sauces	1
_____	CUA 123 Introduction to Garde Manger	1
_____	CUA 126 Intermediate Soups and Sauces	1
_____	CUA 129 Center of the Plate	4
_____	CUA 138 Food and Beverage Service	2
_____	CUA 264 Sustainable Foodservice Operations	3
_____	CUA 265 Menu Development and Planning	4
	Minimum Credit Hours Required	21
	Minimum Contact Hours Required	375

Certificate: Sustainable Cuisine Operations II: Professional This certificate provides Culinary Arts professionals with additional skills that are essential for creating and running a successful sustainable foodservice operation. Students will learn about foodservice sustainability issues and how to implement cost-effective measures that will enhance your operation's environmental and social impacts while increasing profitability.

The curriculum includes courses included in the Sustainable Cuisine Operations I certificate and courses may be applied toward that certificate.

Graduates of the program will receive a Certificate of Occupational Proficiency in Sustainable Foodservice Operations.

The Sustainable Cuisine Operations II: Professional certificate is offered at Edwards. The courses are described in the Course Description section. Please see your advisor for a recommended sequence of courses.

_____	CUA 115 Introduction to Sustainable Cuisine	2
_____	CUA 264 Sustainable Foodservice Operations	3
	Minimum Credit Hours Required	5
	Minimum Contact Hours Required	75

Early Childhood Education

Career & Technical Degrees and Certificates

Associate of Applied Science: Early Childhood Education This program provides training for those who want to become involved in the care and education of young children from birth to age eight. Early childhood education, like all education, demands well-prepared teachers. A growing body of research supports the value of high-quality early childhood programs for children's later success in school and later in life; and the most important part of that is the teacher. Courses in theory and lab experiences are combined with general education courses to provide a comprehensive base of training in the field of early childhood care and education. Unique learning profiles such as giftedness, at-risk, special needs, and English language learners are also covered in the course of training. This program enables students to meet the educational qualifications for Group Leader and Director as defined by the Department of Human Services of the State of Colorado.

Completion of this program positions students to obtain employment in a variety of early childhood education settings, such as: school district preschool paraprofessional, Head Start teacher, Early Childhood Resource and Referral Agency worker, child care center lead teacher, infant nursery supervisor or director, and family child care home operator. The Associate of Applied Science degree prepares students to enter either skilled or paraprofessional occupations, or to advance in the current job. These programs are not intended to transfer to bachelor's degree programs, but certain courses may be accepted at some institutions.

Students must demonstrate college-level reading for ECE-101, 102, 205, 238, and 241. Prior to enrollment in all other ECE courses, students must place into REA-090 (or higher) through the Accuplacer assessment. Students must also demonstrate college-level proficiency in reading, writing, and mathematics as pre-requisites for general education courses within this degree. Skills in these areas may affect the sequence of courses in which students can enroll and may extend the time required to complete this program. Please see your advisor for testing requirements and a recommended sequence of courses.

Graduates will receive an Associate of Applied Science Degree in Early Childhood Education.

Early Childhood Education is offered at Steamboat Springs, Summit Campus - Breckenridge & Dillon, Timberline Campus -Leadville & Buena Vista, Rifle, and Edwards and through Online Learning.

General Education Requirements (15 credits)

_____	ENG 115 Technical English & Communication	3
	<i>OR</i>	
_____	🔒 ENG 121 English Composition I	(3)
_____	MAT 107 Career Math	3
_____	🔒 PSY 101 General Psychology I	3
_____	* CIS 118 Introduction to PC Applications	3
_____	🔒 SOC 101 Introduction to Sociology I	3
		15

Program Requirements (46 credits)

_____	* ECE 101 Introduction to Early Childhood Education	3
_____	* ECE 102 Introduction to Early Childhood Lab Techniques	3
_____	ECE 103 Guidance Strategies for Children	3
_____	ECE 111 Infant & Toddler Theory and Practice	3
_____	ECE 112 Introduction to Infant/Toddler Lab Techniques	3
_____	ECE 188 Practicum: Early Childhood Education	3
_____	* ECE 205 Nutrition, Health & Safety	3
_____	ECE 220 Curriculum Development: Methods & Technique	3
_____	* ECE 226 Creativity & the Young Child	3

_____	* ECE 238 Child Growth and Development	4
_____	ECE 240 Administration: Early Childhood Care & Education Programs	3
_____	* ECE 241 Administration: Human Relations for Early Childhood Education	3
_____	ECE 260 Exceptional Child	3
_____	ECE Advised Elective	(min. 3 cr)
_____	ECE Advised Elective	(min. 3 cr)
		46

Minimum Credit Hours Required

60-61

Minimum Contact Hours Required

990 - 1020

Certificates: Early Childhood Education These certificates enable students to meet the educational qualifications for Group Leader or Director as defined by the Department of Human Services of the State of Colorado. Early childhood education, like all education, demands well-prepared teachers. A growing body of research supports the value of high-quality early childhood programs for children's later success in school and later in life, and the most important part of that is the teacher. The certificates offered by CMC meet or exceed the educational requirements needed to apply for certificates offered through the Department of Human Services. Once you complete the required coursework at CMC, you must apply directly through the state office to receive CDHS credentials. The state also has experience requirements on top of any required classes. The requirements in this field change frequently. For more specific information on licensing requirements or state credentials, please contact Barbara Jackman at the Summit Campus.

Students must demonstrate college-level reading for ECE-101, 102, 205, 238, and 241. Prior to enrollment in all other ECE courses, students must place into REA-090 (or higher) through the Accuplacer assessment. For details see your advisor.

Early Childhood Education: Group Leader

_____	* ECE 101 Introduction to Early Childhood Education	3
_____	* ECE 102 Introduction to Early Childhood Lab Techniques	3
_____	ECE 103 Guidance Strategies for Children	3
_____	ECE 220 Curriculum Development Methods & Techniques	3
_____	* ECE 238 Child Growth and Development	4

Minimum Credit Hours Required

16

Minimum Contact Hours Required

300

Early Childhood Education: Director

_____	* ECE 101 Introduction to Early Childhood Education	3
_____	* ECE 102 Introduction to Early Childhood Lab Techniques	3
_____	ECE 103 Guidance Strategies for Children	3
_____	ECE 111 Infant and Toddler Theory and Practice	3
_____	* ECE 205 Nutrition, Health & Safety	3
_____	ECE 220 Curriculum Development Methods & Techniques	3
_____	* ECE 238 Child Growth and Development	4
_____	ECE 240 Administration of Early Childhood Care and Education Programs	3
_____	* ECE 241 Administration: Human Relations for Early Childhood Education	3
_____	ECE 260 Exceptional Child	3

Minimum Credit Hours Required

31

Minimum Contact Hours Required

525

Associate of Applied Science: EMT Paramedic. This program will prepare individuals to provide pre-hospital emergency medical care to patients of all ages, and provides additional academic instruction to prepare students for leadership positions in emergency care. The coursework provides instruction in acute care, critical differences in physiology, pathophysiology, and clinical symptoms so that appropriate emergency assessment and treatment can be provided, and the necessary information communicated to a responsible physician. General education courses provide students with skills needed to either become supervisors or continue their emergency medicine education.

This program prepares students for the National Registry Paramedic Examination. Students are responsible for all associated costs some of which are: CBI background check, National Registry Exam, and Colorado Certification. Additional requirements may apply at individual clinical sites.

This program has selective admission requirements. Admission criteria may change from year to year. Therefore, it is the student's responsibility to obtain the current year's admission packet. An admission packet can be obtained by contacting Pre-enrollment Services. You must be selected for admission to enroll in this program.

Colorado Mountain College and Mesa State College (MSC) have signed an agreement that allows students to complete a Bachelor of Applied Science in Public Administration/Public Safety. MSC will accept a maximum of 60 credits from the completed AAS Paramedic degree. Additionally, MSC will allow an additional 30 credits of general education designated as lower division major requirements toward the BAS; these courses can be taken at CMC. MSC requires that students complete the last 30 credits with them. MSC offers a number of upper division courses via distance education. Please consult with your advisor.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses in this degree. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section. Graduates of the program will receive an Associate of Applied Science Degree in EMT-Paramedic.

EMT-Paramedic is offered at Edwards. See the Course Description section for more detail.

This schedule assumes that the student already has an EMT-Basic certification. Please see your advisor for a recommended sequence of courses.

General Education Requirements (22-23 credits)

_____	🔒 BIO 111 General College Biology I with Lab	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	* CIS 118 Introduction to PC Applications	3
_____	🔒 ENG 121 English Composition I	3
_____	MAT 107 Career Math	3
	OR	
_____	🔒 MAT 121 College Algebra	(4)

Program Requirements (45 credits)

_____	EMS 225 Fundamentals of Paramedic Practice	3
_____	EMS 226 Fundamentals of Paramedic Practice Lab	2
_____	EMS 227 Paramedic Special Considerations	3
_____	EMS 228 Paramedic Special Considerations Lab	2
_____	EMS 229 Paramedic Pharmacology	3
_____	EMS 230 Paramedic Pharmacology Lab	2
_____	EMS 231 Paramedic Cardiology	5
_____	EMS 232 Paramedic Cardiology Lab	1
_____	EMS 233 Paramedic Medical Emergencies	4
_____	EMS 234 Paramedic Medical Emergencies Lab	1
_____	EMS 235 Paramedic Trauma Emergencies	4
_____	EMS 236 Paramedic Trauma Emergencies Lab	1
_____	EMS 237 Paramedic Internship Preparatory	2
_____	EMS 280 Paramedic Internship I	6
_____	EMS 281 Paramedic Internship II	6
		45

Minimum Credit Hours Required **67-68**

Minimum Contact Hours Required **1635-1650**

Certificate: Emergency Medical Technician – Basic The Colorado Health Department requires specific training for those who work as emergency medical technicians in emergency situations. This program covers those requirements and prepares students for the National Registry examination. Students are required to submit the proper paperwork for a background check prior to enrolling in EMS/EMT Basic. Students are responsible for all associated costs, some of which are: CBI background check, National Registry Exam, and Colorado Certification. Additional requirements may apply at individual clinical sites.

The EMT program may be taken in conjunction with other course work or independently. However, because of the limited course requirements, it is not appropriate as a sole course of study for full-time students. Students must earn a "B" or better in the two EMT Basic courses (EMS 125 and EMS 170) to receive a Colorado Mountain College Certificate of Occupational Proficiency.

Students must be 18 years old before the first day of the course in order to participate. Please note: the curriculum is subject to change based on new National Scope of Practice.

Students must demonstrate college-level proficiency in reading as a pre-requisite for courses within this certificate. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Emergency Medical Services.

The EMT certificate is offered at all campuses. For a description of this course, see the section called Courses.

_____	EMS 125 EMT Basic	9
_____	EMS 170 EMT Basic Clinical	1

Minimum Credit Hours Required **10**

Minimum Contact Hours Required **176**

Emergency Medical Technician

Career & Technical Degrees and Certificates

Certificate: Emergency Medical Technician – Intermediate

Emergency Medical Technician - Intermediate is an approved program that is designed to teach students how to deal with more complex medical and trauma emergency situations than are handled in the basic EMT course. Successful students develop proven advance life support skills which significantly improve the quality of pre-hospital care, such as advanced airway management, intravenous fluid and medication administration, ECG interpretation and management, use of defibrillators, pre-hospital medications, and advanced shock management.

The EMT-Intermediate certificate is designed to prepare students to take the National Registry of Emergency Medical Technician Intermediate certification examination. Additionally, students will be able to seamlessly move into CMC's EMT-Paramedic program. It is recommended that students considering the Paramedic program take Anatomy and Physiology I and II. Please see an advisor for more details.

Students must possess current Colorado or National Registry EMT-B Certification and must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section.

Students must earn a "B" or better in the four EMT Intermediate courses (EMS 203, EMS 205, EMS 270, and EMS 282) to receive a Colorado Mountain College Certificate of Occupational Proficiency.

The EMT-Intermediate certificate is offered at Roaring Fork, Summit, Steamboat Springs, and Buena Vista. For a description of the courses, see the Courses section.

_____	EMS 203 EMT Intermediate I	6
_____	EMS 205 EMT-Intermediate II	6
_____	EMS 270 Clinical: EMT Intermediate	3
_____	EMS 282 EMT Intermediate Internship	2

Minimum Credit Hours Required 17
Minimum Contact Hours Required 375

Certificate: Emergency Medical Technician – Paramedic This certificate provides the highest level of pre-hospital medical care for sick and injured persons. This field is growing at an enormous rate. EMT-Paramedic is the highest certification for a pre-hospital provider, requiring high-level responsibilities, such as patient stabilization, extrication, scene management, advanced level life support procedures, and patient transportation.

The one-year program at Colorado Mountain College will train you to deal with these and many other types of emergencies. During three semesters, you will complete over 1000 hours of classroom, clinical, and field instruction. This program prepares the students for the National Registry Paramedic Examination. Students are responsible for all associated costs some of which are: CBI background check, National Registry Exam and Colorado Certification. Additional requirements may apply at individual clinical sites.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section.

This program has selective admission requirements. Admission criteria may change from year to year. Therefore, it is the student's responsibility to obtain the current year's admission packet. An admission packet can be obtained by contacting Pre-enrollment Services. You must be selected for admission to enroll in this program.

Graduates of the program will receive a Certificate of Occupational Proficiency in EMT-Paramedic.

EMT-Paramedic is offered at Edwards. See the Course Description section for more detail. Please see your advisor for a recommended sequence of courses.

Current prerequisites for EMT-Paramedic admission are:

_____	EMS 125 EMT-Basic	9
_____	EMS 170 EMT-Basic Clinical	1
_____	🔒 BIO 111 General College Biology I with Lab	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	_____ CPR Health Care Provider Level	23

Program Requirements (45 credits)

_____	EMS 225 Fundamentals of Paramedic Practice	3
_____	EMS 226 Fundamentals of Paramedic Practice Lab	2
_____	EMS 227 Paramedic Special Considerations	3
_____	EMS 228 Paramedic Special Considerations Lab	2
_____	EMS 229 Paramedic Pharmacology	3
_____	EMS 230 Paramedic Pharmacology Lab	2
_____	EMS 231 Paramedic Cardiology	5
_____	EMS 232 Paramedic Cardiology Lab	1
_____	EMS 233 Paramedic Medical Emergencies	4
_____	EMS 234 Paramedic Medical Emergencies Lab	1
_____	EMS 235 Paramedic Trauma Emergencies	4
_____	EMS 236 Paramedic Trauma Emergencies Lab	1
_____	EMS 237 Paramedic Internship Preparatory	2
_____	EMS 280 Paramedic Internship I	6
_____	EMS 281 Paramedic Internship II	6

Minimum Credit Hours Required

45

Minimum Contact Hours Required

1297.5

Continued on page 84

Continued from page 83

Certificate: Wilderness Emergency Medical Services This program prepares students to work with organizations such as the National Park Service, Bureau of Land Management, ecologists and foresters, guides, outdoor education counselors, search & rescue, and outfitters that require additional wilderness rescue knowledge and skills, along with pre-hospital training.

Wilderness medicine extends the topics commonly taught in Emergency Medical Technician programs. Wilderness medicine, in the context of emergencies, presumes that the ambulance or air ambulance is hours to days from arriving. This is a very real possibility when an injury occurs in the backcountry. Wilderness medicine also includes issues such as environmental injury from cold, heat, or high altitude; effects of toxic plants and animals; extended patient transport; improvisational equipment; extrication techniques; and other wilderness rescue techniques.

Students must hold and provide proof of a current Wilderness First Responder (WFR) certification or higher to enroll in the Alpine Rescue course (OUT-164) and a current EMT-B or higher certification, or RN license, to enroll in the Wilderness EMT Upgrade course (EMS-162).

Graduates of the program will receive a Certificate of Occupational Proficiency in Wilderness Emergency Medical Services.

The Wilderness EMS Certificate is offered at the Summit campus. For more information see the Course Description section. Please see your advisor for a recommended sequence of courses.

Program Requirements (9 credits)

* OUT 119 Swift Water Rescue Technician I	1
* PER 152 Avalanche Safety I	1
* OUT 210 Survival Skills	1
* OUT 164 Alpine Rescue: Snow, Ice, Crevasse	2
* OUT 166 High Angle Rescue: Vertical Rope	2
EMS 162 Wilderness EMT: Upgrade	2
	9

Program Electives (min. 3 credits. Students must take PER-253 & OUT-120 or PED-167.)

* PER 253 Outdoor Leadership	2
AND	
* OUT 120 Orienteering	1
OR	
* PED 167 Basic Search & Rescue	(3)
	3

Minimum Credit Hours Required 12
Minimum Contact Hours Required 270-277.5



Ski patrollers and emergency crews are trained in medical care through Colorado Mountain College.

EM KOSMICH

Associate of Applied Science: Entrepreneurship This program prepares students to develop the insight needed to discover and create entrepreneurial opportunities and the expertise to successfully start and manage their own businesses to take advantage of these opportunities. Upon completion, students should have the knowledge and skills needed to assess new enterprise opportunities, obtain financial resources, market and start new ventures, and manage entrepreneurial ventures for growth and profitability. Individuals who already own and operate their own businesses acquire the background necessary to upgrade skills and broaden their areas of expertise. In addition, the interdisciplinary aspects of the program offer students training to complement their major field of study with an additional concentration in entrepreneurship.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses in this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Please see our web site for up to date information on transfer options to Mesa State College. Graduates of the program will receive an Associate of Applied Science: Entrepreneurship.

For a description of these courses, see the Courses section. The Entrepreneurship degree is offered at the Summit, Leadville, Steamboat Springs, and Aspen. Please see your advisor for a recommended sequence of courses.

General Education Requirements (18-19 credits)	
* BUS 115 Introduction to Business	3
ECO 201 Principles of Macroeconomics	3
ECO 202 Principles of Microeconomics	3
ENG 121 English Composition I	3
* COM115 Public Speaking	3
OR	
* COM 125 Interpersonal Communication	(3)
MAT 121 College Algebra	4
OR	
* BUS 226 Business Statistics	(3)
	18-19
Program Requirements (42 credits)	
ACC 101 Fundamentals of Accounting	3
OR	
* ACC 121 Accounting Principles I	(4)
ACC 115 Payroll Accounting	3
BUS 102 Entrepreneurial Operations	3
* BUS 203 Introduction to International Business	3
BUS 204 Introduction to E-Business	3
* BUS 216 Legal Environment of Business	3
* BUS 217 Business Communication and Report Writing	3
BUS 241 Cultural Diversity in Business	3
* MAN216 Small Business Management	3
MAN224 Leadership	3
MAN225 Managerial Finance	3
* MAN226 Principles of Management	3
* MAR216 Principles of Marketing	3
PHI 205 Business Ethics	3
OR	
* MAN 230 Corporate Responsibility	(3)
	42-43
Minimum Credits Required	60-62
Minimum Contact Hours Required	870

Certificates: Entrepreneurship, Small Business Finance, and E-Business/ E-Commerce. These programs provide students with essential information and training as a preparation to owning and operating a small business. The certificates also enable individuals who already own and operate a business to upgrade skills and broaden their areas of expertise.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses in these programs. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete the programs. For more details see the Academic Placement and Testing section.

Graduates of these programs will receive a Certificate of Occupational Proficiency in Entrepreneurship, Small Business Finance, or E-Business/E-Commerce.

The Entrepreneurship and Small Business Finance Certificates of Occupational Proficiency are offered at the Summit, Timberline, Alpine and Aspen campuses. The E-Business/E-Commerce Certificate of Occupational Proficiency is offered through Online Learning. See the section on Courses for more information. Please see your advisor for a recommended sequence of courses.

Entrepreneurship Certificate Program Requirements (10 credits)	
ACC 139 Budget Management	1
OR	
MAN225 Managerial Finance	(3)
BUS 102 Entrepreneurial Operations	3
BUS 204 Introduction to E-Business	3
* MAN 216 Small Business Management	3
Minimum Credits Required:	10-12
Minimum Contact Hours Required:	150-180
Small Business Finance Certificate Program Requirements (13 credits)	
ACC 121 Accounting Principles I	4
ACC 235 Computerized Accounting for Small Business	3
BUS 102 Entrepreneurial Operations	3
MAN 225 Managerial Finance	3
Minimum Credits Required:	13
Minimum Contact Hours Required:	195
E-Business/E-Commerce Certificate Program Requirements (12 credits)	
BUS 120 Introduction to E-Commerce	3
BUS 204 Introduction to E-Business	3
MAR222 Implementing E-Commerce	3
MAR217 E-Commerce Marketing	3
OR	
Advised Electives (BUS, CSC, CIS, CNG, CWB, MAN, MAR, SBM)	(3)
Minimum Credits Required:	12
Minimum Contact Hours Required:	180

Associate of Applied Science: Fire Science Technology This degree is designed to prepare students for the fire service, either as a volunteer or career fire fighter. The basics of fire science, equipment, organization, fire service occupational safety and health, investigations, codes and fire detection will be covered. The two-year degree program provides comprehensive technical training and general education course work necessary for employment and job advancement.

Colorado Mountain College and Mesa State College (MSC) have signed an agreement that allows students to complete a Bachelor of Applied Science in Public Administration/Public Safety. MSC will accept a maximum of 60 credits from the completed AAS Fire Science Technology degree. Additionally, MSC will allow students to take the next 30 credits of designated lower division general education courses from CMC to be applied to the BAS. MSC requires that students complete the last 30 credits with them. MSC offers a number of upper division courses via distance education. Please consult with your advisor.

Students must demonstrate college-level proficiency levels in reading, writing, and mathematics as prerequisites for courses within this degree. Skills in these areas may affect the sequence in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Fire Science Technology.

Fire Science Technology is offered at Edwards. Contact that site for course schedule information. See the Courses section for more detail.

Please see your advisor for a recommended sequence of courses.

General Education Requirements (20-21 Credits)

* CIS 118 Introduction to PC Applications	3
🔒 CHE 101 Introduction to Chemistry I	5
🔒 ENG 121 English Composition I	3
* COM115 Public Speaking	3
🔒 PSY 101 General Psychology I	3
MAT 107 Career Math	3
<i>OR</i>	
🔒 MAT 121 College Algebra	(4)
	20-21

Program Requirements (36 Credits)

FST 102 Principles/Emergency Services	3
FST 103 Occupational Safety & Health for Fire	3
FST 104 Fire Protection Systems	3
FST 105 Building Construction for Fire Protection	3
FST 106 Fire Prevention	3
FST 107 Hazardous Materials Operations (Level I)	3
FST 201 Instructional Methodology	3
FST 202 Strategy & Tactics	3
FST 203 Fire Hydraulics & Water Supply	4
FST 204 Principles of Code Enforcement	3
FST 205 Fire Investigation I	3
FST 206 Fire Company Supervision & Leadership	3
	37

Electives (Choose a minimum of 8 credits)

EMS 125 EMT Basic	9
<i>AND</i>	
EMS 170 EMT Basic Clinical	1
FST 100 Firefighter I	9
FST 151 Driver-Operator	3
FST 254 Hazardous Materials Technician Level	3
FSW100 S-190 Introduction to Wildland Fire Behavior	1
<i>AND</i>	
FSW 101 S-130 Firefighter Training	2
FSW 144 S-215 Fire Operations in the Wildland/Urban Interface	2

Minimum Credit Hours Required

65

Minimum Contact Hours Required

1010



Fire Science Technology is taught in partnership with local departments.

Certificate: Fire Academy I This certificate program prepares students for the entry level in the fire service. Students learn the entry-level skills necessary to respond to emergencies in their communities. These include medical, fire-related, and hazardous materials incidents.

This curriculum includes courses included in the Associate of Applied Science degree in Fire Science Technology and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Fire Academy I.

Following is a suggested sequence of courses. See your advisor to develop a personalized schedule.

The Fire Academy I certificate is offered at Rifle and Edwards. For more information, see the Course Description section.

_____	EMS 125 EMT Basic	9
_____	EMS 170 EMT Basic Clinical	1
_____	FST 100 Firefighter I	9
_____	FST 107 Hazardous Materials Operations (Level I)	3

Minimum Credits Required	22
Minimum Contact Hours Required	427.5

Certificate: Fire Academy II This certificate program is intended to advance fire fighters to the next level in the fire service. Students will learn new skills at the Fire Fighter II and Hazardous Materials Technician levels. Completion of Fire Academy I, or its equivalent, is required.

This curriculum includes courses included in the Associate of Applied Science degree in Fire Science Technology and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Fire Academy II.

Please see your advisor for a recommended sequence of courses.

The Fire Academy II certificate is offered at Rifle and Edwards. For more information, see the Course Description section.

_____	FST 101 Firefighter II	6
_____	FST 254 Hazardous Materials Technician Level	3

Minimum Credits Required	9
Minimum Contact Hours Required	180

Certificate: Company Officer This certificate program prepares students to perform the duties of the Fire Department Company Officer, which is the first level of management in the fire service.

This curriculum includes courses included in the Associate of Applied Science degree in Fire Science Technology and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Company Officer.

Following is a suggested sequence of courses. Please consult with your advisor regarding this program and courses, as well as any credit for prior learning, for example, FST 101 (Fire Fighter II) or Colorado Division of Fire Safety's (CDFS) Fire Fighter II certificate, and FST 107 (Hazardous Materials Operations Level) or CDFS Hazardous Materials Operations Level certificate.

The Company Officer certificate is offered at Edwards. For more information see the Courses section.

_____	FST 101 Firefighter II	6
_____	FST 107 Hazardous Materials Operations (Level 1)	3
_____	FST 201 Instructional Methodology	3
_____	FST 206 Fire Company Supervision & Leadership	3

Minimum Credits Required	15
Minimum Contact Hours Required	270

Forestry Technician

Career & Technical Degrees and Certificates

Certificate: Forestry Technician The Forestry Technician program is designed to provide training and education that will lead to entry-level, seasonal positions with federal, state, and private land management agencies. The required courses will improve student knowledge of and abilities to manage the natural environment as it relates to the recreation industry, forest health, natural history interpretation, backcountry travel, timber management, conservation, and wildfire suppression.

Students must demonstrate an acceptable proficiency level in reading as a prerequisite for courses within this certificate. Skills in this area may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency as a Forestry Technician.

The Forestry Technician certificate is offered at Leadville. The courses are described in the Course Description section.

Please see your advisor for a recommended sequence of courses.

_____	GIS 101 Introduction to Geographic Information Systems	3
_____*	BIO 120 Introduction to Natural History	3
_____	FSW 100 Introduction to Wildland Fire Behavior (S190)	1
_____	FSW 101 Firefighting Training (S130)	2
_____	FSW 143 Wildfire Chain Saws (S212)	2
_____	NRE 100 Foundations of Forestry	3
_____*	PED 162 Map and Compass for the Outdoors Person	3
	Minimum Credits Required	17
	Minimum Contact Hours Required	348

Geographic Information Systems

Career & Technical Degrees and Certificates

Certificate: Geographic Information Systems This certificate is designed for those students wishing to have practical experience and application utilizing geospatial software. Students selecting the GIS certificate will be required to design a study plan; acquire, analyze, and map geospatial data; and present findings.

Graduates of the program will receive a Certificate of Occupational Proficiency in Geographic Information Systems.

The Geographic Information System certificate is offered at Leadville. The courses are described in the Course Description section.

Advised Electives (Choose 6 credits from these courses)

_____	GIS 160	GIS Guided Field Study	2
_____	GIS 212	Remote Sensing and Digital Image Processing	4
_____	GIS 275	Special Topics: GPS Field Studies	1-6
_____	NRE 242	Conservation GIS	3

Program Requirements (18 credits)

_____	GIS 101	Introduction to Geographic Information Systems	3
_____	GIS 110	Introduction to Cartography	3
_____	GIS 131	Global Positioning Systems for Geographic Information Systems	3
_____	GIS 210	Intermediate Geographic Information Systems	3
_____		Advised Electives	6

Minimum Credit Hours Required 18

Minimum Contact Hours Required 375

Graphic Design

Career & Technical Degrees and Certificates

Associate of Applied Science: Graphic Design This program will prepare you for careers in the field of visual communication. The program focuses on traditional and computer graphics, advertising and digital prepress. Employment opportunities are found in print shops, advertising agencies, newspapers and publications, and marketing departments in other businesses and industries.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete this program. For more details, see the Academic Placement and Testing section. Graphic Design (MGD) courses must be completed with a grade of "C" or better to move to the next course in sequence or to satisfy graduation requirements.

Graduates of the program will receive an Associate of Applied Science Degree in Graphic Design.

The Graphic Design degree is offered at Glenwood Springs-Spring Valley. See the section on Courses for more detail.

Please see your advisor for a recommended sequence of courses to develop your own schedule.



The Spring Valley digital imaging lab is equipped with industry-standard hardware and software.

PLUS choose one of the following:

_____	MGD241 Web Design II	3
_____	MGD287 Cooperative Education	3
_____	Advised Elective (MGD, CWB, ART)	3

General Education Requirements (15 credits)

_____	🔒 ENG 121 English Composition I	3
_____	* COM 115 Public Speaking	3
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	🔒 MAT 121 College Algebra	(4)
_____	🔒 PSY 101 General Psychology	3
	<i>OR</i>	
_____	* PSY 106 Human Relations	(3)
_____	🔒 ART 110 Art Appreciation	3
	<i>OR</i>	
_____	🔒 ART 111 Art History Renaissance to Modern	(3)
		15-16

Program Requirements (51 credits)

_____	* ART 131 Visual Concepts 2-D Design	3
_____	* ART 143 Digital Photography I	3
_____	* MAN216 Small Business Management	3
	<i>OR</i>	
_____	* BUS 115 Introduction to Business	(3)
_____	MGD101 Introduction to Computer Graphics	3
_____	MGD105 Typography & Layout	3
_____	MGD111 Adobe Photoshop I	3
_____	MGD112 Adobe Illustrator I	3
_____	MGD118 Digital Color Theory	3
_____	MGD133 Graphic Design I	3
_____	MGD134 Drawing for Illustrators	3
_____	MGD141 Web Design I	3
_____	MGD143 Motion Graphic Design I	3
_____	MGD203 Design & Concept	3
_____	MGD213 Electronic Prepress	3
_____	MGD233 Graphic Design II	3
_____	MGD289 Capstone	3
		48

Minimum Credit Hours Required

66-67

Minimum Contact Hours Required

1327.5-1350

Graphic Design

Career & Technical Degrees and Certificates

Certificate: Graphic Technology This certificate program prepares you for careers in electronic publishing. Employment opportunities are in corporate communication departments, newspapers, and print shops as well as other businesses and industries.

The program focuses on the production of electronically prepared documents, promotional pieces, and reports. Keyboarding proficiency is required.

Students must demonstrate college-level proficiency in reading and writing as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete this program. Graphic Design courses must be completed with a grade of "C" or better to move to the next course in sequence or to satisfy graduation requirements. For more details, see the Academic Placement and Testing section.

Graduates of this program will receive a Certificate of Occupational Proficiency in Graphic Technology.

Please see your advisor for a recommended sequence of courses.

The Graphic Technology certificate is offered at Glenwood Springs-Spring Valley and Summit Campus. See the section on Courses for more detail.

_____	MGD101 Introduction to Computer Graphics	3
_____	MGD105 Typography & Layout	3
_____	MGD111 Adobe Photoshop I	3
_____	MGD112 Adobe Illustrator I	3
_____	MGD118 Digital Color Theory	3
_____	MGD203 Design & Concept	3

Minimum Credit Hours Required **18**

Minimum Contact Hours Required **405**

Certificate: Web Technology This certificate program prepares you for careers in design for the World Wide Web. Millions of individuals, businesses, government agencies, and institutions are seeking to establish a presence on the World Wide Web. This explosive growth of the Internet has created a need for skilled graphic designers to create, design, produce and update millions of new and existing Web pages and sites.

This program focuses on the technology of web production. Skills development areas include Hyper-Text Markup Language (HTML), Cascading Style Sheets (CSS), WYWISYG web tools, social networking web tools, web image optimization, motion graphics tools, and web application development.

Students must demonstrate college-level proficiency in reading and writing as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete this program. Graphic Design courses must be completed with a grade of "C" or better to move to the next course in sequence or to satisfy graduation requirements. For more details, see the Academic Placement and Testing section.

Graduates of this program will receive a Certificate of Occupational Proficiency in Web Technology.

Please see your advisor for a recommended sequence of courses.

The Web Technology certificate is offered at Glenwood Springs-Spring Valley. Graphic Design courses are described in more detail in the Course Description section.

_____	CIS 118 Introduction to PC Applications	3
_____	MGD101 Introduction to Computer Graphics	3
_____	MGD118 Digital Color Theory	3
_____	MGD141 Web Design I	3
_____	MDG143 Motion Graphic Design I	3
_____	MGD241 Web Design II	3
_____	CWB110 Complete Web Authoring	3
_____	CWB205 Complete Web Scripting	3
_____	CWB208 Web Application Development	3
_____	CWB289 Web Developer Portfolio	3

Minimum Credit Hours Required **30**

Minimum Contact Hours Required **517.5**

Historic Preservation

Career & Technical Degrees and Certificates

Associate of Applied Science: Historic Preservation This program prepares graduates to pursue a variety of professional career opportunities in the historic preservation field. The curriculum stresses experiential learning supplemented by classroom instruction and laboratory demonstration and practice. Students are introduced to preservation, restoration, rehabilitation, and reconstruction through a sound theoretical foundation followed by an emphasis in developing the skills necessary to execute historic building preservation from foundation to roof. The core materials sciences of wood, masonry, and metals are complimented by a broad spectrum of electives. Students may choose to concentrate their hands-on experience in the construction trades, decorative arts and finish work, or building research documentation and analysis components of historic preservation treatment.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see Academic Placement and Testing section.

Many of the courses in the Historic Preservation program are designed to transfer to baccalaureate degree granting institutions. Please see your advisor for a recommended sequence of courses and to develop a personalized schedule.

Graduates of the program will receive an Associate of Applied Science Degree in Historic Preservation.

The Historic Preservation degree is offered at Leadville. Certain courses may be available as web-based courses. See the section on Courses for more information.

General Education Requirements (17-19 credits)

ANT 107	Introduction to Archaeology	3
ENG 121	English Composition I	3
* COM125	Interpersonal Communication	3
MAT 121	College Algebra	4
<i>OR</i>		
MAT 107	Career Math	(3)
CHE 101	Introduction to Chemistry I	5
<i>OR</i>		
HIS 201	U.S. History to Reconstruction	(3)
<i>AND</i>		
HIS 202	U.S. History Since the Civil War	(3)

Historic Preservation Program Requirements (46 credits)

HPP 100	Introduction to Historic Preservation	3
HPP 110	Historic Research and Documentation	3
HPP 120	Dynamics of Historic Preservation: Law, Business and Economics	3
ARC 121	Building Structure Analysis	3
ARC 125	History of Architecture	3
ARE 110	Carpentry I	4
ARE 113	Masonry I	4
ARE 115	Sheet Metal I	4
ARE 280	Internship	3
CAD 101	Computer Aided Drafting I	3
CAR 170	Clinical: Construction Lab I	4
Advised Electives (ARC, ARE, ART, ENY, FIW, FMT, HPP, IND, MAC, UPH)		9

Minimum Credit Hours Required

63-65

Minimum Contact Hours Required

1102.5-1132.5

Historic Preservation

Career & Technical Degrees and Certificates

Certificate: Historic Preservation The certificate programs prepare graduates to directly enter the historic preservation trades, specialized skills, and construction fields. The curriculum also provides the opportunity for experienced trades practitioners to upgrade their skills and knowledge to work on historic buildings. Students may earn a certificate in one or more specialties: generalist, research and documentation, or construction.

This curriculum includes courses in the Associate of Applied Science degree in Historic Preservation and credits may be applied toward that degree.

Students must demonstrate college-level proficiency in reading as a prerequisite for courses within this degree or certificate. Your proficiency may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in the Historic Preservation specialty chosen. Please see your advisor for a recommended sequence of courses.

The Historic Preservation Certificates of Occupational Proficiency are offered at Leadville. Certain courses may be available as web-based courses. See the section on Courses for more information.

Track A: Historic Preservation Generalist (31 credits)

_____	HPP 100 Introduction to Historic Preservation	3
_____	HPP 110 Historic Research and Documentation	3
_____	ARC 121 Building Structure Analysis	3
_____	ARC 125 History of Architecture	3
_____	ARE 110 Carpentry I	4
_____	ARE 113 Masonry I	4
_____	ARE 115 Sheet Metal I	4
_____	CAR 170 Clinical: Construction Lab I	4
_____	Advised Electives (ARC, ARE, ART, ENY, FIW, FMT, HPP, IND, MAC, UPH)	3

Minimum Credit Hours Required 31
Minimum Contact Hours Required 585

Track B: Research and Documentation (24 credits)

_____	HPP 100 Introduction to Historic Preservation	3
_____	HPP 110 Historic Research and Documentation	3
_____	HPP 120 Dynamics of Historic Preservation: Law, Business and Economics	3
_____	🔒 ANT 107 Introduction to Archaeology	3
_____	ARC 121 Building Structure Analysis	3
_____	ARC 125 History of Architecture	3
_____	Advised Electives (ARC, ARE, ART, ENY, FIW, FMT, HPP, IND, MAC, UPH)	6

Minimum Credit Hours Required 24
Minimum Contact Hours Required 360

Track C: Construction (31 Credits):

_____	HPP 100 Introduction to Historic Preservation	3
_____	HPP 110 Historic Research and Documentation	3
_____	ARC 121 Building Structure Analysis	3
_____	ARC 125 History of Architecture	3
_____	ARE 110 Carpentry I	4
_____	CAD 101 Computer Aided Drafting	3
_____	CAR 120 General Construction Framing	1
_____	CAR 121 Floor Framing	1
_____	CAR 122 Wall Framing	1
_____	CAR 123 Roof Framing	1
_____	CAR 125 Roofing Materials and Methods	1
_____	CAR 130 Windows and Exterior Doors	1
_____	CAR 131 Exterior Trim	1
_____	CAR 150 Interior Trim – General	1
_____	CAR 170 Clinical: Construction Lab I	4

Minimum Credit Hours Required 31
Minimum Contact Hours Required 607.5

Associate of Applied Science: Information Technology Specialist

The A.A.S. degree and Certificates of Occupational Proficiency are designed to prepare students for an entry-level position in the Information Technology (IT) industry. Students pursuing this degree will receive training through classroom and hands-on activities to acquire the knowledge of how to build, maintain, secure, and troubleshoot PCs, servers, LANs, and WANs. Additionally, courses provide students with the necessary skills and preparation to pass specific IT industry certifications such as:

- Comp TIA: A+, Net+, Security+, Server+
- Microsoft Technology Associate (MTA): Networking Fundamentals, Security Fundamentals, Windows Server Administration Fundamentals
- Cisco: CCNA

The A.A.S. degree combines required general education and specific IT program requirements. It also allows for 13 credits of advised electives, offering students the ability to take courses in their area of interest to meet their career goals.

Students must demonstrate college-level reading, writing, and mathematical skills as pre-requisites for courses within this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete the program. For more details see the Academic Placement and Testing section.

Graduates of the program earn an Associate of Applied Science Degree in Information Technology Specialist.

The A.A.S. Information Technology Specialist program is offered at Glenwood Springs. Please see your advisor for a recommended sequence of courses.

General Education Requirements (15-16 credits)

_____	* CIS 118 Introduction to PC Applications (or advised general education elective)	3
_____	* COM 115 Public Speaking	3
_____	OR	
_____	* COM 125 Interpersonal Communication	(3)
_____	ENG 121 English Composition I	3
_____	MAT 107 Career Math (or higher)	3-4
_____	* PSY 106 Human Relations	3
_____	OR	
_____	PSY 211 Leadership Development	(3)
		15-16

Program Requirements (45 credits)

_____	CNG 101 Introduction to Networking	3
_____	CNG 121 Computer Technician I: A+	4
_____	CNG 122 Computer Technician II: A+	4
_____	CNG 124 Networking I: Network+	3
_____	CNG 125 Networking II: Network +	3
_____	CNG 131 Network Security Fundamentals	3
_____	CNG 132 Principles of Information Security	3
_____	CNG 212 Managing an MS Windows Server Environment	4
_____	CNG 260 Cisco Network Associate I	5
_____	Advised IT electives (CIS, CNG, CSC, CWB)	13
		45

Minimum Credit Hours Required 60-61
Minimum Contact Hours Required 900

Information Technology The following certificates (A+, CCNA, MOS, Network+, Security+, and Server+) are designed to prepare students for skills upgrade or entry-level careers in various information technology fields. These certificates provide students with the knowledge and hands-on skills to build, secure, and manage local area networks (LANs) and wide area networks (WANs), and learn Microsoft Office computer skills, and how to protect vital information. Additionally, some certificates provide students with the necessary skills and knowledge to pass specific industry certifications, such as Comp TIA A+, Microsoft Office Specialist, Network+, Security+, Server+, and Cisco Certified Network Associate (CCNA).

Students may need to demonstrate college-level proficiency in reading and mathematical skills before entering these programs. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete the program. See the Academic Placement and Testing section.

Graduates of these programs will receive a Certificate of Occupational Proficiency in the specific areas listed below.

The Information Technology certificates are offered at specific campuses and/or through Online Learning. Many of the courses/certificates are available using a hybrid model with online course work and course-specific labs offered at one of our campuses. Some travel to campus lab sites may be required. For details consult a Colorado Mountain College advisor. For a full description of the courses, see the Course Description section.

Certificate of Occupational Proficiency:

- A+ Computer Technician
- Cisco Certified Network Associate (CCNA)
- Microsoft Office Specialist
- Network +
- Security+
- Server+

Certificate: A+ Computer Technician This certificate provides a broad base of knowledge and competency in core hardware and operating system technologies including installation, configuration, diagnosing, preventive maintenance, and basic networking. It is a foundation certificate for computer repair technicians.

Additionally, this certificate prepares students to take the CompTIA A+ certification exams, an international industry credential that validates the knowledge of computer service technicians with the equivalent of 500 hours of hands-on experience. Major hardware and software vendors, distributors and resellers accept CompTIA A+ certification as the standard in foundation-level, vendor-neutral certification for service technicians. The exams cover a broad range of hardware and software technologies, but are not bound to any vendor-specific products. The A+ certificate is offered at the Roaring Fork Campus - Glenwood Springs, and the Summit Campus - Dillon.

_____	CNG 121 Computer Technician I: A+	4
_____	CNG 122 Computer Technician II: A+	4

Minimum Credit Hours Required 8
Minimum Contact Hours Required 120

Certificate: Cisco Certified Network Associate (CCNA) This program prepares students to design, build, and maintain networks capable of supporting national and global organizations. Coursework covers a complete range of basic through advanced networking concepts; from pulling cable through such complex concepts as subnet masking rules and strategies. Methods of learning are varied, with interactive on-line lessons, texts, movies, and extensive hands-on applications. Upon successful completion, the program graduate is qualified to take the Cisco Certified Network Associate examination.

The Cisco Certified Network Associate program is offered at the Summit Campus (hybrid courses, please contact the Summit campus).

_____	CNG 260 Cisco Network Associate I	5
_____	CNG 261 Cisco Network Associate II	5
_____	CNG 262 Cisco Network Associate III	5
_____	CNG 263 Cisco Network Associate IV	5
Minimum Credit Hours Required		20
Minimum Contact Hours Required		300

Certificate: Microsoft® Office Specialist This program prepares you to earn an industry certificate as a Proficient Specialist or Expert Specialist for the Microsoft® Office Suite of productivity software. Colorado Mountain College's certificate teaches all the skills necessary to pass each Microsoft® application expert exam and thereby earn the globally-recognized MOS Master certification. Graduates of this program will receive a Certificate of Occupational Proficiency in Microsoft® Office Specialist.

The Microsoft® Office Specialist program is offered at the Roaring Fork Campus - Glenwood Springs and through Online Learning.

_____	* CIS 118 Introduction to PC Applications	3
_____	CIS 128 Windows Complete	3
_____	CIS 135 Complete PC Word Processing	3
_____	CIS 140 Microsoft® Outlook	1
_____	CIS 145 Complete PC Database	3
_____	CIS 155 PC Spreadsheet Concepts	3
_____	CIS 165 Complete Presentation Graphics	3
Minimum Credit Hours Required:		19
Minimum Contact Hours required		285

Certificate: Network + This certificate provides students with the knowledge necessary to understand, identify, and perform tasks involved in implementing and supporting a network. This coursework will prepare students to take the Network+ industry exam. The Network+ certificate is offered at the Roaring Fork Campus - Glenwood Springs.

_____	CNG 124 Networking I: Network+	3
_____	CNG 125 Networking II: Network +	3
Minimum Credit Hours Required:		6
Minimum Contact Hours Required:		90

Certificate: Security+ The Information Security Specialist certificate is designed for students with an interest in the wide range of activities associated with the protection of information, one of an organization's most vital assets. This certificate provides a foundation in computer operations, programming, and data communication with a breadth and depth of instruction in information security.

These courses are designed to give a basic understanding and working knowledge in information security as well as prepare the student to pass the CompTIA Security+ exam, a vendor-neutral certification exam considered the worldwide standard of competency for foundation-level security practitioners. For more information see the Course Description section.

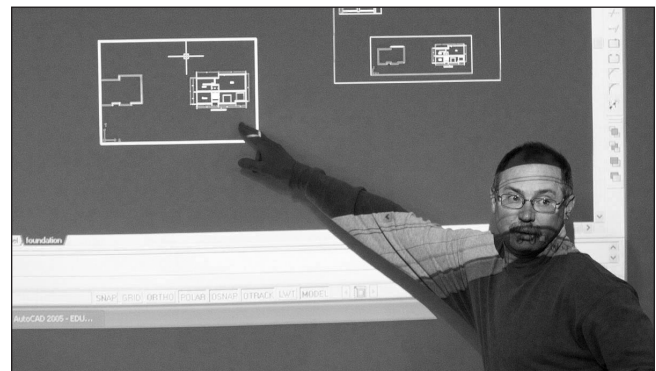
The Security+ certificate is offered through Online Learning.

_____	CNG 101 Introduction to Networking	3
_____	CNG 131 Network Security Fundamentals	3
_____	CNG 132 Principles of Information Security	3
_____	CNG 133 Network Security: Fire Walls and Intrusion Detection and Network Security	3
Minimum Credit Hours Required:		12
Minimum Contact Hours Required:		180

Certificate: Server+ This certificate introduces multi-use, multi-tasking network operating systems. This program focuses on the characteristics of the MS Server environment and explores a variety of topics including installation procedures, security issues, back-up procedures, and remote access.

The program prepares students for the CompTIA Server+ certification, which is recognized by the IT industry to prove competency in server support. CompTIA Server+ is an international, vendor-neutral certification for technical support professionals. CompTIA Server+ certifies the technical knowledge and skills required to build, maintain, troubleshoot, and support server hardware and software technologies. The exam covers virtualization, disaster recovery, and security procedures.

_____	CNG 101 Introduction to Networking	3
_____	CNG 212 Managing an MS Windows Server Environment	4
Minimum Credit Hours Required:		7
Minimum Contact Hours Required:		105



Campuses are wired with smart classrooms.

Associate of Applied Science: Process Technology This program is designed to prepare students for entry-level employment as process technicians. A process technician is a key member of a team of people responsible for planning, analyzing and controlling the production of products from the acquisition of raw materials through the production and distribution of products to customers in a variety of process industries. These industries include, but are not limited to: chemical, food and beverage, gas and oil exploration and production, pharmaceuticals, power generation, pulp and paper, refining and wastewater treatment.

Students must demonstrate college-level proficiency in reading, writing and mathematics as prerequisites for courses in this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Please see your advisor for a recommended sequence of courses.

The Process Technology degree is offered at Rifle. For more information see the Course Description section.

General Education Requirements (18 credits minimum)

_____	🔒 CHE 101 Introduction to Chemistry	5
_____	🔒 ENG 121 English Composition I	3
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	🔒 MAT 121 College Algebra	(4)
_____	🔒 PHY 105 Conceptual Physics	4
_____	* COM 115 Public Speaking	3
	<i>OR</i>	
_____	* COM 125 Interpersonal Communication	(3)
		18-19

Program Requirements (45 credits)

_____	* CIS 118 Introduction to PC Applications	3
	<i>OR</i>	
_____	Advised Elective	(3)
_____	PRO 100 Introduction to Process Technology	4
_____	PRO 110 Safety, Health and Environment	3
_____	PRO 120 Process Technology I: Equipment	4
_____	PRO 125 Process Technology I: Equipment II	4
_____	PRO 130 Instrumentation I	3
_____	PRO 131 Instrumentation II	3
_____	PRO 210 Process Technology II: Systems	4
_____	PRO 220 Process Technology III: Operations	4
_____	PRO 230 Quality in Process Technology	3
_____	PRO 240 Process Troubleshooting	4
_____	Advised Electives	6
		45

Minimum Credits Required 63-64
Minimum Contact Hours Required 1260

Certificate: Petroleum Technology The Petroleum Technology program will prepare students for technical competencies for entry level employment opportunities in the emerging and expanding oil and natural gas drilling, gathering, and field operations industry.

Students must demonstrate acceptable proficiency levels in reading, writing and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Petroleum Technology. Please see your advisor for a recommended sequence of courses.

The Petroleum Technology Certificate of Occupational Proficiency is offered at Rifle. See the section on Courses for more information.

_____	PRO 110 Safety, Health and Environment	3
_____	PRO 250 Oil and Gas Production I	3
_____	PRO 255 Oil and Gas Production II	3

Minimum Credits Required: 9
Minimum Contact Hours Required: 180

Certificate: Safety in Process Technology

_____	OSH 146 Hazardous Materials	2
_____	OSH 240 Workplace Monitoring: Instrumentation and Calibration	4
_____	PRO 100 Introduction to Process Technology	4
_____	PRO 110 Safety, Health & Environment	3
_____	PRO 230 Quality Concepts for Industries	3

Minimum Credits Required 16
Minimum Contact Hours Required 285

Certificate: Industrial Instrumentation Controls Technician This certificate program will provide the concepts of automatic control, occupational analysis of job descriptions, working conditions, employment opportunities, professional certification requirements, and safety considerations in the class and for those employed in the field of industrial instrumentation. Process characteristics, control applications, and an introduction to standard instrument symbology, terminology, P&IDs and loop drawings will be presented. Topics include pneumatic, electronic, digital, and mechanical devices and systems.

Students must demonstrate acceptable proficiency levels in reading, writing and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Industrial Instrumentation Controls Technician. Please see your advisor for a recommended sequence of courses.

The Industrial Instrumentation Controls Technician Certificate of Occupational Proficiency is offered at Rifle. See the section on courses descriptions for more information.

_____	* CIS 118 Introduction to PC Applications	3
_____	<i>OR</i>	
_____	Advised Elective	(3)
_____	EIC 225 Programmable Controllers	4
_____	ELT 106 Fundamentals of DC/AC	3
_____	ELT 112 Advanced DC/AC	3
_____	MAT 107 Career Math	3
_____	<i>OR</i>	
_____	🔒 MAT 121 College Algebra	(4)
_____	PRO 100 Introduction to Process Technology	4
_____	PRO 110 Safety, Health and Environment	3
_____	PRO 120 Process Technology I: Equipment	4
_____	PRO 130 Instrumentation I	3
_____	PRO 131 Instrumentation II	3

Minimum Credits Required: 33-34
Minimum Contact Hours Required: 675-690

Certificate: Process Technology Operator This program is designed to prepare students for entry-level positions in process plant operations and up-stream oil and gas operations. Process technicians ensure safety, health, and other environmental practices and standards in all areas of process activities. This program educates and develops technicians who will control and monitor various industrial ventures and plant processes.

Employment opportunities include petrochemical and refining, food and beverage processing, pharmaceutical and bio-manufacturing, paper and pulp, oil and gas exploration and production, energy and power generation, water and waste water treatment, chemical and agricultural manufacturing, environmental testing, and brewing and distilling processes.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which you can enroll and may also extend the time required to complete this program. For more details, see the Academic Placement and Testing section.

Graduates of this program will receive a Certificate of Occupational Proficiency in Process Technology Operator.

The Process Technology Operator certificate is offered at Rifle. The certificate is the first step toward the AAS degree in Process Technology.

_____	🔒 CHE 101 Introduction to Chemistry I	5
_____	MAT 107 Career Math	3
_____	<i>OR</i>	
_____	🔒 MAT 121 College Algebra	(4)
_____	PRO 100 Introduction to Process Technology	4
_____	PRO 110 Safety, Health and Environment	3
_____	PRO 120 Process Technology I: Equipment	4
_____	PRO 130 Instrumentation I	3
_____	PRO 210 Process Technology II: Systems	4
_____	PRO 220 Process Technology III: Operations	4
_____	PRO 230 Quality in Process Technology	3
_____	PRO 240 Process Troubleshooting	4

Minimum Credits Required: 37-38
Minimum Contact Hours Required: 765-780

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Renewable Energy Technology is designed to provide students with the theoretical knowledge necessary for a career in the renewable energy fields. Students will acquire hands-on skills in installation, operation, monitoring, repair, and replacement of related equipment. Careers in renewable energy will be increasing dramatically nationally as well as locally. There has been an increasing demand for skilled workers as solar installers, home energy auditors, and many related fields. This program includes general education courses to broaden the students' depth of understanding and prepare them for more advanced degrees or professional positions in a renewable energy field as well as the hands-on skills needed in the profession. Additionally, the program will prepare students with general occupational skills important to be successful in any work environment such as work ethics, reliability, attention to safety, and other primary skills that most employers look for.

Renewable energy trends will affect many local businesses such as building equipment, contractors, and local governments, as well as installers, small businesses, sales, and wholesalers.

Students must demonstrate college-level proficiency in reading, writing, and mathematics before entering this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete the program. For more details see the Academic Placement and Testing section.

These certificates are offered at Rifle and through Online Learning. See your campus schedule for the online options. See the section on course descriptions for more information.

Certificate: Basic Solar Photovoltaic This program provides students with essential information and training to work with residential solar photovoltaic systems including providing fundamentals of DC/AC and the National Electric Code, and teaches the principles of a residential solar photovoltaic system. This entry-level certificate will prepare students to take the North American Board of Certified Energy Practitioners' (NABCEP) Basic Photovoltaic Entry Level certification exam.

Graduates of this program will receive a Certificate of Occupational Proficiency in Basic Solar Photovoltaics.

_____	EIC 131 National Electric Code 2011	1.5
	<i>OR</i>	
_____	EIC 130 National Electric Code I *	(4)
_____	ENY 121 Solar Photovoltaic Components	3
_____	OSH 117 10-HR OSHA Voluntary Compliance	1
	<i>OR</i>	
_____	PRO 110 Safety, Health and Environment	(3)
Minimum Credit Hours Required		5.5 -10
Minimum Contact Hours Required		105-172.5

* Please note: Students who intend to pursue the installer certificates must take EIC 130.

Certificate: Photovoltaic Installer This program provides students with the knowledge, skills, and abilities to install solar photovoltaic systems based on regulatory codes and standards. Students will be introduced to the principles of design and operation of solar arrays, material analysis, and various construction features. Basic safety principles will be reinforced. Detailed knowledge of photovoltaic components will be provided, and principles of design and operation of solar panel arrays will be covered, as well as a focus on the National Electric Code requirements for electrical installation. This curriculum will prepare students to take the North American Board of Certified Energy Practitioners' (NABCEP) Basic Photovoltaic Installer certification exam.

Graduates of this program will receive a Certificate of Occupational Proficiency in Photovoltaic Installer.

_____	EIC 130 National Electrical Code I	4
_____	ENY 121 Solar Photovoltaic Components	3
_____	ENY 127 Solar PV System Install	3
_____	ENY 130 Solar Photovoltaic Grid-tie	2
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	MAT 121 College Algebra	(4)
_____	CAD 101 Computer Aided Drafting I	3
_____	OSH 117 10-HR OSHA Voluntary Compliance	1
	<i>OR</i>	
_____	PRO 110 Safety, Health and Environment	(3)

Minimum Credit Hours Required 19-22
Minimum Contact Hours Required 300-345

Certificate: Solar Thermal Installer This program provides students with essential information and training in order to have the knowledge, skills, and ability to install solar thermal systems. In addition to being introduced to the principles of design and operation of solar panel arrays, students will gain hands-on knowledge and experience in solar domestic hot water systems and solar panel installation. Basic safety principles will be reinforced. This curriculum will prepare students to take the North American Board of Certified Energy Practitioners' (NABCEP) Solar Thermal Installer certification exam.

Graduates of this program will receive a Certificate of Occupational Proficiency in Solar Thermal Installer.

_____	ENY 120 Solar Thermal System Install	4
_____	ENY 225 Solar Domestic Hot Water Systems	3
_____	ENY 226 Solar Panel Installation	4
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	MAT 121 College Algebra	(4)
_____	CAD 101 Computer Aided Drafting I	3
_____	OSH 117 10-HR OSHA Voluntary Compliance	1
	<i>OR</i>	
_____	PRO 110 Safety, Health and Environment	(3)

Minimum Credit Hours Required 18-21
Minimum Contact Hours Required 370-420

Medical Assistant

Career & Technical Degrees and Certificates

Associate of Applied Science: Medical Assistant This program prepares individuals, under the supervision of office managers and other professionals, to perform routine administrative duties in a medical, clinical, or health care facility/system office environment. Includes instruction in general office skills, data processing, office equipment operation, principles of medical record-keeping and business regulations, medical/clinical office procedures, and communication skills.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Medical Assistant.

The Associate of Applied Science Degree in Medical Assistant is offered at Edwards and through Online Learning. Medical Assistant courses are described in the course description section. Please see your advisor for a recommended sequence of courses.

General Education Requirements (24 credits)

_____ * CIS 118 Introduction to PC Applications	3
_____ COM 126 Communication in Healthcare	3
_____ 📖 ENG 121 English Composition I	3
_____ MAT 107 Career Math (or higher MAT course)	3
_____ 📖 PSY 101 General Psychology I	3
	15

General Education Electives (9 credits minimum). Select three courses, with no more than two courses from any one category .

_____ Arts & Humanities (ART, FRE, GER, HUM, LIT, PHI,SOC,MUS,THE)	
_____ Science (AST, BIO, CHE, GEY, PHY)	
_____ Social Sciences (ANT, ECO, GEO, HIS, POS, PSY, SOC)	

Minimum Credit Hours Required	9
Minimum Contact Hours Required	24

Medical Assistant Course Requirements (minimum 36 credits)

_____ BIO 106 Basic Anatomy & Physiology	4
_____ HPR 106 Law and Ethics for Health Professions	2
_____ HPR 178 Medical Terminology	2
_____ MOT 110 Medical Office Administration	4
_____ MOT 120 Medical Office Financial Management	3
_____ MOT 130 Insurance Billing and Coding	3
_____ MOT 136 Introduction to Clinical Skills	2
_____ MOT 138 Medical Assisting Laboratory Skills	4
_____ MOT 140 Medical Assisting Clinical Skills	4
_____ MOT 150 Pharmacology for Medical Assistants	3
_____ MOT 183 Medical Assistant Internship	5
	36

Minimum Credit Hours Required	60
Minimum Contact Hours Required	1155

Certificate: Medical Assistant This program prepares individuals, under the supervision of office managers and other professionals, to perform routine administrative duties in a medical, clinical, or health care facility/system office environment. Includes instruction in general office skills, data processing, office equipment operation, principles of medical record-keeping and business regulations, medical/clinical office procedures, and communication skills.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Medical Assistant.

The Certificate of Occupational Proficiency in Medical Assistant is offered at Edwards and through Online Learning. Medical Assistant courses are described in the course description section. Please see your advisor for a recommended sequence of courses.

_____ BIO 106 Basic Anatomy & Physiology	4
_____ * CIS 118 Introduction to PC Applications	3
_____ COM 126 Communication in Healthcare	3
_____ HPR 106 Law and Ethics for Health Professions	2
_____ HPR 178 Medical Terminology	2
_____ MOT 110 Medical Office Administration	4
_____ MOT 120 Medical Office Financial Management	3
_____ MOT 130 Insurance Billing and Coding	3
_____ MOT 136 Introduction to Clinical Skills	2
_____ MOT 138 Medical Assisting Laboratory Skills	4
_____ MOT 140 Medical Assisting Clinical Skills	4
_____ MOT 150 Pharmacology for Medical Assistants	3
_____ MOT 183 Medical Assistant Internship	5
_____ 📖 PSY 101 General Psychology I	3
Minimum Credit Hours Required	45
Minimum Contact Hours Required	885

Associate of Applied Science: Natural Resource Management

This degree provides graduates with entry-level skills in a variety of environmental science fields. The degree combines aquatic and terrestrial resource management and characterization. Students will be trained in career fields of field monitoring, hydrology, soil science, environmental law, and others.

Graduates work in the areas of earth resources, geology, watershed science, geography, fishery and wildlife biology, forest sciences and forest biology/forest management, natural resource recreation and tourism including rangeland science and rangeland ecology, and waste management/hazardous materials. To provide four-year educational opportunities for students, Colorado Mountain College's Natural Resource Management program has signed transfer agreements with Mesa State College in Grand Junction and Western State College in Gunnison, Colorado. Please work with your advisor to meet the special requirements for each of these institutions.

The Natural Resource Management (NRM) program includes a summer internship, as well as the opportunity to work in environmental positions locally while completing the degree. The NRM program typically has work experience positions available during the academic year, as well as during the summer break.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Natural Resource Management.

The Timberline Campus Endowed Scholarship may be available to assist Natural Resource Management students. For application information, see the scholarship section.

The Associate of Applied Science Degree in Natural Resource Management is offered at Leadville. NRM courses are described in the course description section. Please see your advisor for a recommended sequence of courses.

General Education Requirements (31 credits)

🔒 BIO 111 General College Biology I with Lab	5
🔒 CHE 111 General College Chemistry I	5
* COM115 Public Speaking	3
OR	
* COM 125 Interpersonal Communication	(3)
🔒 ENG 121 English Composition I	3
🔒 ENG 122 English Composition II	3
🔒 ENV 101 Introduction to Environmental Science	4
🔒 GEY 111 Physical Geology	4
🔒 MAT 121 College Algebra	4
	31

Program Requirements (33 credits)

* AGY 240 Introductory Soil Science	4
GIS 101 Introduction to Geographic Information Systems	3
NRE 121 Introduction to Hydrology	3
NRE 187 Cooperative Education	1
NRE 211 Environmental Policies and Economics	3
NRE 289 Capstone	2
OSH 152 Hazardous Waste: Operations & Emergency Response	3
Advised Electives (ENT 141, SAO 111 & 112, GIS 131)	3-4
Advised Program Options	11-12
	33-35
Minimum Credit Hours Required	64-66
Minimum Contact Hours Required	1425-1447.5

Natural Resource Management Program Options

NRM Generalist. The Natural Resource Management Generalist option gives students additional coursework that focuses on ecological sciences and reclamation. This option will provide students with the knowledge and skills to apply environmental and ecological concepts as related to land, air, and water reclamation as well as agricultural and sustainable practices.

NRM Generalist (12 credits)

* BIO 222 General College Ecology	4
* CHE 215 Soil and Water Chemistry	3
NRE 127 Field Monitoring Techniques	2
NRE 227 Reclamation Site Monitoring	3

Hydrologic Science Option. The Hydrologic Science option provides students with more in-depth training and coursework applicable for employment as a hydrologic technician. This option will give students the necessary skills and knowledge in well installation, hydraulic testing and flume installation, water sampling and analysis, statistical analysis of hydrologic data, and application of modeling software.

Hydrologic Science Option (11 credits)

* CHE 215 Soil and Water Chemistry	3
🔒 MAT 135 Introduction to Statistics	3
NRE 127 Field Monitoring Techniques	2
NRE 221 Advanced Hydrology	3

This program operates on public lands and rivers with special permits from the U.S. Forest Service, Bureau of Land Management, Colorado State Parks, and National Park Service.



Natural Resource Management

Career & Technical Degrees and Certificates

Certificate: Field Technician This certificate is designed for students to acquire the proper techniques for field equipment use in soil and water sampling. It is also designed to give students a fundamental understanding of natural resources and the monitoring needs required in determining the impacts of resource allocation on natural systems.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see Academic Placement and Testing section

Graduates of the program will receive a Certificate of Occupational Proficiency in Field Technician.

The Field Technician certificate is offered at Leadville. The courses are described in the Course Description section. Following is a suggested sequence of courses. Consult with an advisor for details to develop a personalized schedule.

Required Courses

* AGY 240	Introductory Soil Science	4
BIO 156	Aquatic Entomology	3
🔒 CHE 111	General College Chemistry I	5
GIS 101	Introduction to Geographic Information Systems	3
NRE 121	Introduction to Hydrology	3
NRE 127	Field Monitoring Techniques	2
NRE 211	Environmental Policies and Economics	3
NRE 226	Wetlands Monitoring	3
NRE 227	Reclamation Site Monitoring	3
NRE 287	Cooperative Education	1
OSH 152	Hazardous Waste: Operations & Emergency Response	3
Minimum Credit Hours Required		33
Minimum Contact Hours Required		675



Testing water at the headwaters of the Arkansas River.

Nurse Aide

Career & Technical Degrees and Certificates

Certificate: Certified Nurse Aide This program provides training in the fundamentals of individualized nursing care. The one semester course teaches you skills necessary to work in health centers with acute care patients.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section.

Graduates will receive a Certificate of Occupational Proficiency in Certified Nurse Aide and be eligible to take the state exam for CNA.

The Certified Nurse Aide Certificate is offered at Edwards and Rifle. For more information see the Course Description section.

_____	NUA 101 Certified Nurse Aide Health Care Skills	4
_____	NUA 170 Nurse Assistant Clinical Experience	1

Minimum Credit Hours Required 5
Minimum Contact Hours Required 120

Minimum Credit Hours Required **(including prerequisites)** 52
Minimum Contact Hours Required **(including prerequisites)** 1230



Nursing students learn neo-natal care.

ED KOSMICKI

Nursing Degree (ADN)

Career & Technical Degrees and Certificates

Associate of Applied Science: Nursing Students will develop skills to provide quality, safe, patient-centered care through evidence-based practice. Student learning focuses on the ability to develop and function as a competent nurse assimilating all professional, ethical, and legal roles of the professional nurse.

The primary roles of the associate degree registered nurse include: provider of care, manager of care, and member of the profession as well as advocate and teacher across a variety of health care systems. The design of the nursing program is a balance of general education and nursing knowledge to support the student's ability to develop and function in the role of professional nurse.

Students must demonstrate college-level proficiency in reading, writing, and mathematics through placement testing for acceptance into this program. Your proficiency may affect the sequence of courses in which you can enroll and may also extend the time required to complete the program.

This program has specific admission requirements. Admission criteria may change from year to year. Therefore, it is the student's responsibility to obtain the current year's admission packet. An admission packet can be obtained by downloading the form "Nursing Application" at the following web address: www.coloradomtn.edu/forms/ or by contacting Pre-Enrollment Services.

All applicants accepted into the Nursing program will receive a history and physical form that must be completed by his/her medical care provider before registering for classes. Accepted students will be required to obtain a criminal background check and are subject to random drug testing at various times throughout the Nursing program. These are requirements of our clinical sites. Fees associated with these requirements are the student's responsibility.

Several scholarships may be available to assist nursing students. See the section on scholarships and financial aid.

Graduates of this program will receive an Associate of Applied Science degree in Nursing and are eligible to apply to take the National Council Licensing Exam (NCLEX-RN) to obtain their RN licensure. The Associate Degree of Nursing, at Colorado Mountain College, is approved by the Colorado State Board of Nursing. This nursing education program is a candidate for accreditation by the National League for Nursing Accrediting Commission (NLNAC) 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326, ph. 404-975-5000, fax 404-975 5020, www.nlnac.org.

To take courses with NUR prefixes students must be accepted into the nursing program and have permission of the Director of Nursing Education. Please consult with your advisor. For more information see the Courses section.

The Associate of Applied Science Degree in Nursing (ADN) program is offered at Glenwood Springs -Spring Valley and in Breckenridge.

General Education Requirements (28 credits): Students must complete the following general education courses with a "C" or higher from an accredited college.

Nursing Program Admission Requirements

_____	🔒 BIO 111 General College Biology with Lab	5
_____	🔒 BIO 201 Human Anatomy and Physiology I	4
_____	🔒 BIO 202 Human Anatomy and Physiology II	4
_____	🔒 BIO 204 Microbiology	4
_____	🔒 PSY 235 Human Growth & Development	3
		20

Program Requirements These courses must be taken before graduation, but can be taken any time in order to qualify for full-time status and financial aid. The student is strongly encouraged to complete these program requirements before starting nursing courses.

_____	🔒 ENG 121 English Composition I	3
_____	HPR 115 Introduction to Nutrition	2
_____	* Advised Gen Ed elective in Social & Behavioral Sciences	3
		8

Nursing Courses Year 1

_____	NUR 101 Fundamentals of Nursing with Lab	5
_____	NUR 121 Pharmacology I	3
_____	NUR 122 Pharmacology II & IV Therapy	2
_____	NUR 140 Introduction to Gerontology	1
_____	NUR 141 Basic Concepts of Medical-Surgical Nursing	3
_____	NUR 161 Basic Concepts of Maternal-Newborn & Pediatric Nursing	2
_____	NUR 170 Clinical I: Fundamentals	2
_____	NUR 171 Clinical II: Medical-Surgical	4
_____	NUR 172 Clinical III: Maternal-Newborn & Pediatric Nursing	1
		23

Certificate: Year 1 LPN Optional Certificate

_____	NUR 179 Transition to Practical Nursing Clinical	(2)
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Nursing Courses Year 2

_____	NUR 212 Clinical IV: Complex Medical-Surgical Nursing Experience	4
_____	NUR 215 Complex Medical-Surgical Nursing I	3
_____	NUR 216 Leadership and Nursing Management	2
_____	NUR 217 Complex Medical-Surgical Nursing II	2
_____	NUR 220 Complex Concepts of Obstetric and Pediatric Nursing Care	2
_____	NUR 221 Clinical V: Complex Obstetric & Pediatric Clinical Experience	2
_____	NUR 230 Mental Health Nursing	2
_____	NUR 231 Clinical VI: Mental Health Nursing	1
_____	NUR 260 Capstone	3
		21

AAS Degree Awarded

Minimum Credit Hours Required	72
Minimum Contact Hours Required	1710

Associate of Applied Science: Paralegal This two year degree is designed to train students for employment as paralegals or legal assistants. The AAS degree will provide coursework to prepare students to transfer to a four-year institution. Graduates will be able to perform basic legal research, draft various legal documents, conduct client and witness interviews, participate in basic fact-finding, and assist in trial preparation under the supervision of a lawyer.

Students must demonstrate college-level proficiency in reading and writing as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Note: It is recommended that students take POS-111, American Government, prior to enrolling in CRJ-210, and PAR-213 before all other PAR courses with the exception of PAR-115.

Graduates of the program will receive an Associate of Applied Science Degree in Paralegal. Consult with an advisor for details to develop a personalized schedule.

The Paralegal degree is offered at all campuses via Online Learning. See the Courses section for more information about Paralegal courses.

General Education Requirements (12 credits)

ENG 121 English Composition I	3
ENG 122 English Composition II	3
POS 111 American Government	3
HIS 201 United States (U.S.) History I	3

AND choose 2 courses from the following list to meet American Bar Association (ABA) guideline (6-8 credits)

BIO 105 Science of Biology	4
GEY 111 Physical Geology	4
HIS 202 United States (U.S.) History II	3
HUM121 Early Civilizations	3
PHI 111 Introduction to Philosophy	3
PSY 101 General Psychology I	3
SPA 101 Conversational Spanish I	3

Paralegal Program Requirements (36 credits)

PAR 115 Introduction to Law	3
PAR 116 Torts	3
PAR 117 Family Law	3
PAR 118 Contracts	3
PAR 125 Property Law	3
PAR 127 Legal Ethics	3
PAR 201 Civil Litigation	3
PAR 206 Business Organizations	3
PAR 213 Legal Research & Writing I	3
PAR 289 Capstone	3
* CRJ 111 Substantive Criminal Law	3
* CRJ 210 Constitutional Law	3

Advised Paralegal Electives Choose 3 courses (9 credits)

ACC 101 Fundamentals of Accounting	3
<i>OR</i>	
ACC 121 Accounting Principles I	(4)
CRJ 208 Criminal Evidence	3
CRJ 216 Juvenile Law and Procedures	3
PAR 214 Legal Research & Writing II	3
PAR 287 Cooperative Education	3
Advised Elective (CRJ, PAR)	3

Minimum Credit Hours Required

63-64

Minimum Contact Hours Required

1035-1050

Certificate: Paralegal. The Paralegal certificate is designed for students who already hold an AA or an AS degree or higher. The Paralegal certificate is comprised of 36 credits of specialized paralegal coursework which prepares students for employment as paralegals or legal assistants. Students who earn the Paralegal certificate draft legal documents, conduct client and witness interviews, participate in basic fact-finding, and assist in trial preparation under the supervision of a lawyer.

Students must demonstrate acceptable proficiency levels in reading and writing as prerequisites for courses within this program. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section. The Paralegal certificate is offered at all campuses through Online Learning. See the Courses section for more information about paralegal courses.

Note: It is recommended that students take POS-111, American Government, prior to enrolling in CRJ-210, and PAR-213 before all other PAR courses with the exception of PAR-115.

Consult with an advisor for information about the Paralegal certificate and for a recommended sequence of courses.

PAR 115 Introduction to Law	3
PAR 116 Torts	3
PAR 117 Family Law	3
PAR 118 Contracts	3
PAR 125 Property Law	3
PAR 127 Legal Ethics	3
PAR 201 Civil Litigation	3
PAR 206 Business Organizations	3
PAR 213 Legal Research & Writing I	3
PAR 289 Capstone	3
* CRJ 111 Substantive Criminal Law	3
* CRJ 210 Constitutional Law	3

Minimum Credit Hours Required

36

Minimum Contact Hours Required

540

Associate of Applied Science: Professional Photography

The Professional Photography program prepares graduates with the skills required for entry into a variety of professional photographic careers. Today's professional photographer must have a thorough knowledge of photographic capture techniques, a strong sense of visual design and proficiency in the digital darkroom, color management, computers, multi-media, and image asset management. First year curriculum consists of foundational training in the use of digital SLRs, digital capture, capture processing and workflow, lenses, natural and available lighting, aesthetics, and principles of design. In addition to advancing their creative vision, students in the second year learn color theory and management, studio lighting, portraiture, view camera techniques, and product illustration in our digitally-equipped studio. Elective courses allow students to explore a variety of topics including traditional film photography, alternative processes, photojournalism, field workshops, and web design.

Photography is a field that requires a balance between technical expertise and visual aesthetics. The Professional Photography program recognizes this fact and has a curriculum designed to achieve this balance. All classes will challenge students to develop technical skills while creating compelling images that impact targeted audiences.

Graduates of the Professional Photography program have begun careers in portraiture, commercial product illustration, photojournalism, architectural photography, studio management, digital imaging service bureaus, and as full time and independent photography assistants. A number of our graduates have extended their education in photography with transfers to four-year institutions offering bachelor degrees in photography.

Students must demonstrate college-level proficiency in reading, writing, and mathematics to be accepted into this program. You must demonstrate these required skill proficiencies through either Accuplacer placement tests or acceptable ACT or SAT scores. A student's proficiency may affect the sequence of courses in which he/she can enroll and may also extend the time required to complete this program. For details see the Academic Placement and Testing section and a Colorado Mountain College advisor.

PHO courses have a specific sequence. Please consult with your advisor for a recommended sequence of courses. Photography courses are described in more detail in the course description section.

A minimum grade of "C" is required in all PHO courses for graduation from the Professional Photography program.

The Jonathan Wright and Photography scholarships are available to assist second-year Professional Photography students. See the scholarship section for more information.

Graduates will receive an Associate of Applied Science Degree in Professional Photography. The Professional Photography program is offered at the Glenwood Springs-Spring Valley.

General Education Requirements (15-16 credits)

ENG 121	English Composition I	3
MAT	Advised General Education Mathematics (see AA degree or AAS General Education options)	3-4
* COM 115	Public Speaking	3
OR		
* COM 125	Interpersonal Communication	(3)
* BUS 115	Introduction to Business	3
OR		
* BUS 217	Business Communication & Report Writing	(3)
OR		
* PSY 106	Human Relations	(3)
	Advised General Education Elective	3
		15-16

Program Requirements (46 credits)

PHO 105	Computer Orientation and the MacIntosh	2
PHO 121	Photo-Image Capture I	2
PHO 122	Photo-Image Capture II	2
PHO 143	Perception & Photography I	3
PHO 144	Perception & Photography II	3
PHO 161	Digital Capture Processing I	2
PHO 162	Digital Capture Processing II	2
PHO 232	Professional Portraiture	3
PHO 234	View Camera and Lighting Techniques	3
PHO 236	Product Photography	3
PHO 251	Color Capture I	2
PHO 252	Color Capture II	2
PHO 263	Digital Capture Processing III	2
PHO 264	Digital Capture Processing IV	2
PHO 268	Portfolio and Career Exploration	4
___	Advised Photography Elective*	9
		46

Minimum Credit Hours Required

61-62

Minimum Contact Hours Required

1095

**Students must take nine credits of approved electives to complete the degree in Professional Photography. These electives can come from ART, JOU, MGD, or PHO but must be approved by an advisor from the Professional Photography program. Only one field workshop can be taken towards elective credit.*

Certificate: Real Estate The Real Estate program is for those individuals who wish to become real estate brokers. The program prepares students for the Colorado Real Estate Licensing Examination for Brokers. Colorado Mountain College's certificate program includes the required courses to prepare you to take the state broker's examination and to apply for the state broker's license.

The Colorado Real Estate Commission currently requires 168 hours of course work to be completed prior to taking the state broker's examination and applying for your license. You must demonstrate college-level reading before entering this program. For more details see the Academic Placement and Testing section.

Students must earn a "C" or better in the two Real Estate courses (REE 103, and REE 104) to receive a Certificate of Eligibility to take the Colorado Real Estate Licensing Examination and receive a RECC 33 to apply for a Colorado Broker's license. In addition, students must earn a "C" or better in both courses to receive a Colorado Mountain College Certificate of Occupational Proficiency.

The Real Estate Certificate is offered at Steamboat Springs, Aspen, Rifle, Dillon, Edwards, and also as a web course. See the course description section for more information.

_____	REE 103 Real Estate Brokers I	6
_____	REE 104 Real Estate Brokers II	5

Minimum Credit Hours Required	11
Minimum Contact Hours Required	172

Resort Management

Career & Technical Degrees and Certificates

Associate of Applied Science: Resort Management The resort and lodging industry is one of the major growth industries of this century. Through the Resort Management program you will prepare for careers in management, resort operations, marketing, sales, property management, restaurant operations, and many related areas. The Resort Management program gives basic instruction in resort and lodging operations, resort specialty subjects, management concepts, accounting, and related resort work experience.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will be eligible to receive an Associate of Applied Science Degree in Resort Management from Colorado Mountain College. You may also be eligible to receive the Educational Institute of American Hotel and Lodging Association's Hospitality Management Diploma. Additionally, Colorado Mountain College and Western State College have signed an agreement that allows students in the Resort Management degree to complete a Bachelor of Arts in Business Administration in either Marketing or Management. Please consult with your advisor about requirements for these options.

Many of the courses in the Resort Management program are designed to transfer to baccalaureate degree granting institutions; see your advisor for details. Please see your advisor for a recommended sequence of courses.

The Resort Management degree is offered at Steamboat Springs. See the Course Description section for more information on these classes.

General Education Requirements (21 credits)

_____	* BUS 115 Introduction to Business	3
_____	* BUS 217 Business Communication & Report Writing	3
_____	* BUS 226 Business Statistics	3
_____	* CIS 118 Introduction to PC Applications	3
_____	* COM 115 Public Speaking	3
_____	📖 ENG 121 English Composition I	3
_____	Advised General Education Elective	3
		21

Resort Management Program Requirements

(25 credits minimum)

_____	HOS 110 Introduction to Hospitality	3
_____	HOS 139 Housekeeping Management	2
_____	HOS 140 Front Office Procedures	2
_____	HOS 148 Introduction to Food & Beverage Management	3
_____	HOS 221 Basic Hotel and Restaurant Accounting	3
_____	HOS 226 Supervision in the Hospitality Industry	3
_____	HOS 242 Hotel Sales and Marketing	3
_____	HOS 250 Food, Beverage & Labor Cost Control	3
_____	HOS 287 Work Experience I	3
		25

Advised Electives (choose at least 14 credits)

_____	HOS 115 Introduction to Spa Management	3
_____	HOS 116 Spa Retailing	3
_____	HOS 215 Training & Development	3
_____	HOS 219 Hospitality Law	3
_____	HOS 231 Facilities Management and Design	3
_____	HOS 255 Human Resource Management	3
_____	HOS 289 Work Experience II	3
_____	* ACC 121 Accounting Principles I	4
_____	* ACC 122 Accounting Principles II	4
_____	📖 ECO 201 Principles of Macroeconomics	3
_____	📖 ECO 202 Principles of Microeconomics	3
	<i>OR</i>	
_____	Advised Electives (BUS, GCM, HOS, OUT ,SAO, SKB)	3-14

Minimum Credit Hours Required

60

Minimum Contact Hours Required

900

Certificate: Hospitality Operations This certificate gives you the opportunity to gain the skills necessary to obtain an entry-level supervisory position in the lodging, food and beverage, or resort industry. The certificate also provides the opportunity for individuals already in the industry to upgrade skills and broaden their areas of expertise.

This certificate curriculum includes many of the courses included in the Associate of Applied Science degree in Resort Management and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading and writing for courses within this certificate. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Hospitality Operations. Please see your advisor for a recommended sequence of courses.

The Hospitality Operations Certificate is offered at Steamboat Springs and through Online Learning. For more information, see the Courses section.

_____	HOS 110 Introduction to Hospitality	3
_____	HOS 139 Housekeeping Management	2
_____	HOS 140 Front Office Procedures	2
_____	HOS 148 Introduction to Food & Beverage Management	3
_____	HOS 221 Basic Hotel & Restaurant Accounting	3
_____	HOS 226 Supervision in the Hospitality Industry	3
_____	HOS 242 Hotel Sales and Marketing	3
_____	HOS 250 Food, Beverage & Labor Cost Control	3
_____	HWE115 Medic First Aid	.5

Minimum Credit Hours Required

22.5

Minimum Contact Hours Required

323

Continued on page 108

Continued from page 107

Certificate: Spa Management This certificate gives students the opportunity to gain the skills necessary to obtain an entry-level, supervisory position in one of the fastest growing service professions. As part of the Resort Management program, Spa Management certificate students will gain skills and broaden their knowledge of this industry, with specific work experience and training in the spa business world.

This certificate curriculum includes many of the courses included in the Associate of Applied Science degree in Resort Management and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading and writing for courses within this certificate. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Spa Management. Please see your advisor for a recommended sequence of courses.

The Spa Management Certificate is offered at Steamboat Springs. For more information, see the Courses section.

_____	GCM 150 Contemporary Club Management	3
_____	HOS 115 Introduction to Spa Management	3
_____	HOS 116 Spa Retailing	3
_____	HOS 148 Introduction to Food & Beverage Management	3
_____	HOS 221 Basic Hotel & Restaurant Accounting	3
_____	HOS 226 Supervision in the Hospitality Industry	3
_____	HOS 287 Cooperative Work Experience	3
_____	HWE115 Medic First Aid	.5

Minimum credit Hours Required **21.5**

Minimum Contact Hours Required **458**

Ropeway Maintenance Technician

Career & Technical Degrees and Certificates

Certificate: Ropeway Maintenance Technician Colorado Mountain College, Vail Resorts, Inc., the Rocky Mountain Lift Association, and Aspen Skiing Company have cooperated to increase the level of training available to those wishing to pursue a career as a ropeway maintenance technician. The certificate is currently offered in two disciplines, Ropeway Mechanical Maintenance Technician and Ropeway Electrical Maintenance Technician.

To participate in this program you must be: a) a registered apprentice working in an appropriate position for a company which has an approved lift mechanical or electrical apprenticeship program (both the business sponsor and the apprentice will be registered with the U.S. Department of Labor's Apprenticeship Training program); OR b) be an employee of a lift maintenance/electrical department with the approval of your supervisor.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Proficiency may affect the sequence of classes in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section or contact the Ski Area Operations faculty.

The Ropeway Maintenance Technician program is administered by Ski Area Operations (SAO) at the Timberline campus in Leadville; please contact them at 719-486-4228 for information. This program is available at all CMC campuses through Online Learning. See the Course Description section for more information on SAO courses.

Graduates of the program will receive a Certificate of Occupational Proficiency in Ropeway Maintenance Technician.

Please contact the SAO program faculty who assist the students in the development of their individual schedules.

Ropeway Mechanical Maintenance Technician

_____	* CIS 118 Introduction to PC Applications	3
_____	ENG 115 Technical English and Communication	3
_____	HWE 103 Community First Aid and CPR	.5
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	MAT 121 College Algebra	(4)
_____	* PSY 211 Leadership Development	3
	<i>OR</i>	
_____	HOS 226 Supervision in the Hospitality Industry	(3)
_____	SAO 110 Ski Area Risk Management	3
_____	SAO 121 Ropeway Mechanical Maintenance Technician I	4
_____	SAO 122 Ropeway Mechanical Maintenance Technician II	3
_____	SAO 123 Ropeway Mechanical Maintenance Technician III	4
_____	SAO 124 Ropeway Mechanical Maintenance Technician IV	3
_____	SAO 210 Ropeway Construction & Maintenance	3

Minimum Credit Hours Required 32.5-33.5

Minimum Contact Hours Required 488-503

Ropeway Electrical Maintenance Technician

_____	* CIS 118 Introduction to PC Applications	3
_____	ENG 115 Technical English & Communication	3
_____	HWE 103 Community First Aid and CPR	.5
_____	🔒 MAT 121 College Algebra	4
_____	* PSY 211 Leadership Development	3
	<i>OR</i>	
_____	HOS 226 Supervision in the Hospitality Industry	(3)
_____	SAO 110 Ski Area Risk Management	3
_____	SAO 210 Ropeway Construction & Maintenance	3
_____	SAO 221 Ropeway Electrical Maintenance Technician I	4
_____	SAO 222 Ropeway Electrical Maintenance Technician II	4
_____	SAO 223 Ropeway Electrical Maintenance Technician III	3
_____	SAO 224 Ropeway Electrical Maintenance Technician IV	4

Minimum Credit Hours Required 34.5

Minimum Contact Hours Required 518

Ski Area Operations

Career & Technical Degrees and Certificates

Associate of Applied Science: Ski Area Operations This program is designed to prepare the student for a career in the mountain resort industry. Technical and academic study in the classroom is combined with practical, on-the-job experience at Colorado's world-class mountain resorts to provide the skills and knowledge needed to succeed in the mountain resort industry.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this degree. Please see the Courses section of this catalog for individual course prerequisites. Students' proficiency may affect the sequence of classes in which they can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section of the catalog or contact the Ski Area Operations faculty.

The Ski Area Operations program requires a minimum of 60 credit hours for graduation. Forty-nine of these credits are required courses described below. Of these 49 credits, 7 credits are earned during a paid, on the job, cooperative work experience. Typically, this work experience will occur during the 3rd and 4th semesters. For additional information concerning the work experience, contact a member of the SAO faculty.

The remaining 11 credits are chosen by the student to meet the student's individual career goals. The elective groups are: Slopes and Trails, Patrolling, Ropeway Operations and Maintenance, and Ski Resort Management. Students may choose electives from any individual or combination of elective groups. For details, see listing below.

To provide a four-year degree option, Colorado Mountain College and Western State College have signed an agreement that allows students in the Ski Area Operations degree to complete a Bachelor of Arts in Business Administration in Management. Please consult with your advisor about requirements for this option.

Graduates will receive an Associate of Applied Science degree in Ski Area Operations.

The SAO program faculty will assist the student in the development of the student's individual schedule.

The Ski Area Operations degree program is based at Leadville. Some courses may be available at other CMC locations and as web-based courses. See the section on Courses for more information.

General Education Requirements (18 credits)

_____ *	BUS 115 Introduction to Business	3
_____	ENG 115 Technical English and Communication	3
	<i>OR</i>	
_____	🔒 ENG 121 English Composition I	(3)
_____ *	CIS 118 Introduction to PC Applications	3
_____	MAT 107 Career Math	3
	<i>OR</i>	
_____	🔒 MAT 121 College Algebra	(4)
_____ *	COM 115 Public Speaking	3
_____ *	PSY 211 Leadership Development	3
		18

Program Requirements (42 credits)

_____	SAO 100 Introduction to Ski Area Operations	2
_____	SAO 101 Ski Area Operations: Concepts	3
_____	SAO 102 Outdoor First Care	1
_____	SAO 106 Ropeway Operations	2
_____	SAO 110 Ski Area Risk Management	3
_____	SAO 111 Equipment Operations	2
_____	SAO 131 Trail Grooming Operations	2
_____	SAO 141 Snowmaking Operations	2
_____	SAO 160 Ski Patrol Operations	2
_____	SAO 188 Work Experience	2
_____	SAO 240 Ski Area Planning	3
_____	SAO 260 Ski Area Operations Seminar	1
_____	SAO 288 Supervised Co-op Work Experience	5
_____	_____ Ski Area Operations Electives	12
_____	_____	
_____	_____	
_____	_____	
_____	_____	
		42

Minimum Credit Hours Required

60

Minimum Contact Hours Required

1130

Ski Area Operations Electives

Slopes and Trails

_____	GIS 100 GIS Fundamentals	1
_____	SAO 112 Equipment Operations Lab	1
_____	SAO 132 Trail Grooming Operations Lab	1
_____	SAO 133 Terrain Park & Half-Pipe Operations	2
_____	SAO 142 Snowmaking Operations Lab	1
_____	SAO 151 Snow Vehicle Maintenance	2
_____	SAO 152 Snow Vehicle Maintenance Lab	1
_____	SAO 155 Events Management	2

Patrolling

_____	SAO 155 Events Management	2
_____	SAO 161 Ski Patrol Operations Lab	2
_____	EMS 125 EMT Basic	9
_____	EMS 170 EMT Basic Clinical	1
_____	HPR 125 Outdoor Emergency Care	4
_____	HPR 126 Outdoor Emergency Care Refresher	.5
_____	PER 152 Avalanche Safety I	1
_____	PER 154 Avalanche Safety II	2

Ropeway Operations and Maintenance

_____	SAO 107 Ropeway Operations Lab	1
_____	SAO 210 Ropeway Construction & Maintenance	3
_____	ENT 141 Surveying I	4

Ski Resort Management

_____ *	ACC 121 Accounting Principles I	4
_____ *	ACC 122 Accounting Principles II	4
_____	MAN 200 Human Resource Management I	3
_____	🔒 ECO 202 Principles of Microeconomics	3
_____ *	BUS 226 Business Statistics	3
_____	SAO 175 Special Topics	1-6
_____	_____ Advised Elective (FSW, GCM, HOS, NRE, OUT, SAO, SKB)	3

Ski Area Operations

Career & Technical Degrees and Certificates

Certificate: Ski Patrol Operations This certificate provides the student an opportunity to gain the skills necessary to find entry-level employment as a career ski patroller. This curriculum includes many of the courses included in the Associate of Applied Science degree in Ski Area Operations and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading as a prerequisite for courses within this certificate. Students' proficiency may affect the sequence of classes in which they can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section of the catalog or contact the Ski Area Operations faculty.

Graduates of the program will receive a Certificate of Occupational Proficiency in Patrol Operations I or II.

Your advisor will help you develop a schedule that meets your needs.

The Ski Area Operations degree and associated certificates are offered at Leadville. Some courses may be available at other CMC locations and as web-based courses. See the section on courses for more information.

Level I Ski Patrol Operations Certificate	
SAO 160 Ski Patrol Operations	2
SAO 161 Ski Patrol Operations Lab	2
HPR 125 Outdoor Emergency Care	4
PER 152 Avalanche Safety I	1
Minimum Credit Hours Required	9
Minimum Contact Hours Required	202.5
Level II Ski Patrol Operations Certificate	
EMS 125 EMT Basic	9
EMS 170 EMT Basic Clinical	1
SAO 110 Ski Area Risk Management	3
PER 154 Avalanche Safety II	2
Minimum Credit Hours Required	15
Minimum Contact Hours Required	270

Certificate: Slope and Trail Maintenance This certificate provides the student an opportunity to gain the skills necessary to find entry-level employment in the grooming, snowmaking, and slope maintenance field. This curriculum includes many of the courses included in the Associate of Applied Science degree in Ski Area Operations and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading as a prerequisite for courses within this certificate. Students' proficiency may affect the sequence of classes in which they can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section or contact the Ski Area Operations faculty.

Graduates of the program will receive a Certificate of Occupational Proficiency in Slope and Trail Maintenance.

Your advisor will help you develop a schedule that meets your needs.

The Ski Area Operations degree and associated certificates are offered at Leadville. Some courses may be available at other CMC locations and as web-based courses. See the section on courses for more information.

SAO 111 Equipment Operations	2
SAO 112 Equipment Operations Lab	1
SAO 131 Trail Grooming Operations	2
SAO 132 Trail Grooming Operations Lab	1
SAO 133 Terrain Park and Half-Pipe Operations	2
SAO 141 Snowmaking Operations	2
SAO 142 Snowmaking Operations Lab	1
SAO 151 Snow Vehicle Maintenance	2
SAO 152 Snow Vehicle Maintenance Lab	1
SAO 155 Events Management	2
Minimum Credit Hours Required	16
Minimum Contact Hours Required	330

Ski & Snowboard Business

Career & Technical Degrees and Certificates

Associate of Applied Science: Ski and Snowboard Business

As the snow-sports industry has grown, so has the need for technically trained professionals with strong leadership, management, and communication skills. The Ski & Snowboard Business program was designed with help from Billy Kidd, former Olympic medalist and World Cup champion. Kidd and others who are deeply involved in today's snow-sports industry developed the program to offer careers in specialized retail and wholesale businesses which supply ski and snowboarding clothing and equipment. Snow-sports related careers include retailing, manufacturing, marketing and sales. Additionally, Colorado Mountain College and Western State College have signed an agreement that allows students in the Ski and Snowboard Business degree to complete a Bachelor of Arts in Business Administration in Marketing. Please consult with your advisor about requirements for this option.

Students must demonstrate college-level proficiency in reading, writing, and mathematics as prerequisites for courses within this degree. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Ski & Snowboard Business. Your advisor will help you develop a schedule that meets your academic needs.

The Ski & Snowboard Business Degree is offered at Steamboat Springs. See the Master Course Listing for more information about Ski & Snowboard Business courses.

General Education & Business Requirements (21 credits)

* BUS 115 Introduction to Business	3
* BUS 217 Business Communication & Report Writing	3
* BUS 226 Business Statistics	3
ENG 121 English Composition I	3
* COM 115 Public Speaking	3
* COM 125 Interpersonal Communication	3
Advised General Education Elective	3
	21

Program Requirements (21 credits)

SKB 117 Ski & Snowboard Retailing and Sales	3
SKB 130 Accelerated Boot Fitting	3
OR	
SKB 110 Boot Fitting I	(2)
AND	
SKB 111 Boot Fitting II	(1)
SKB 140 Accelerated Ski & Board Tuning	3
OR	
SKB 120 Ski & Board Repair & Tuning I	(2)
AND	
SKB 121 Ski & Board Repair & Tuning II	(2)
SKB 210 Ski & Board Product Design	3
SKB 216 Ski & Snowboard Marketing and Media	3
SKB 220 Snow Sports Retail & Wholesale	3
SKB 229 Integrated Portfolio & Capstone	3
	21

Advised Electives (18 credits)

* ACC 121 Accounting Principles I	4
* ACC 122 Accounting Principles II	4
* BUS 216 Legal Environment of Business	3
* CIS 118 Introduction to PC Applications	3
CIS 155 PC Spreadsheet Concepts	3
ECO 201 Principles of Macroeconomics	3
ECO 202 Principles of Microeconomics	3
HOS 215 Training and Development	3
MGD102 Introduction to Multimedia	3
SKB 105 History of Skiing	1
SKB 118 Snow Sports Promotions	1
SKB 187 Work Experience	3-6
Foreign Language	5
Advised General Education Elective	3-18
Advised Elective (SKB, HOS, GCM,OUT, SAO, PED, FVM)	3-18

Minimum Credit Hours Required 60

Minimum Contact Hours Required 1012.5-1155

Certificate: Ski & Snowboard Shop Technician These certificates provide the student an opportunity to gain the skills necessary to find entry level employment in a retail ski and snowboard shop.

This curriculum includes many of the courses included in the Associate of Applied Science degree in Ski and Snowboard Business and credits may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this program. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Ski and Snowboard Retail and Repair Technician I or II.

Your advisor will help you develop a schedule that meets your needs.

The Ski and Snowboard Certificates are offered at Steamboat Springs. See the Course Description section for more information on Ski and Snowboard Business courses.

Certificate I - Retail and Repair Shop Technician I

SKB 110 Introduction to Boot Fitting	2
SKB 120 Introduction to Ski & Board Repair & Tuning	2
SKB 210 Ski & Board Product Design	3
SKB 220 Snow Sports Retail & Wholesale	3

Minimum Credit Hours Required 10

Minimum Contact Hours Required 172.5

Certificate II - Retail and Repair Shop Technician II

SKB 111 Boot Fitting II	1
SKB 118 Snowsports Promotions	1
SKB 121 Ski & Board Repair & Tuning II	2
SKB 187 Work Experience	3

Minimum Credit Hours Required 7

Minimum Contact Hours Required 225

Ski & Snowboard Business

Career & Technical Degrees and Certificates

Certificate: Professional Ski and Snowboard Guide This certificate provides the student an opportunity to gain the skills and knowledge necessary to find employment as a ski/snowboard guide in a snow-cat guided skiing operation, heli-skiing operation, or other backcountry and hut-to-hut ski/snowboarding operation.

The program includes courses that will improve your technical knowledge of backcountry skiing or snowboarding. It emphasizes the interaction with clients and the natural environment and exposes students to the aspects of running a small business.

The curriculum includes a blend of Ski and Snowboard Business classes and Outdoor Education courses. Credits earned during the completion of the certificate can be applied to the Associate of Applied Science degree in Ski and Snowboard Business.

Graduates of the program will receive a Certificate of Occupational Proficiency in Professional Ski and Snowboard Guide.

The Professional Ski and Snowboard Guide certificate is offered at Steamboat Springs. The courses are described in the Course Description section. Please see your advisor for a recommended sequence of courses.

_____	HWE129 Wilderness First Responder	4
_____	PER 152 Avalanche Safety I	1
_____	PER 154 Avalanche Safety II	2
_____	PSY 211 Leadership Development	3
_____	SKB 124 Introduction to Ski Guiding	3
_____	SKB 230 The Business of Ski Guiding	3
Minimum Credit Hours Required		16
Minimum Contact Hours Required		322.5

Certificate: Ski and Snowboard Marketing Media Manager This certificate provides the student an opportunity to gain the skills necessary to find entry-level employment in a marketing department within an action sports manufacturing company, shop, or ski resort area.

The curriculum includes many courses included in the Associate of Applied Science of Ski and Snowboard Business and courses may be applied toward that degree.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence of courses in which students can enroll and may also extend the time required to complete this program. For more details see the Academic Placement and Testing section.

Graduates of the program will receive a Certificate of Occupational Proficiency in Ski and Snowboard Marketing Media Manager.

The Ski and Snowboard Marketing Media Manager certificate is offered at Steamboat Springs. The courses are described in the Course Description section. Please see your advisor for a recommended sequence of courses.

_____	FVM 130 Introduction to Digital Video	1
_____	FVM 150 Development of Film Expression	3
_____	FVM 164 Introduction to Digital Editing	3
_____	FVM 250 Writing for Broadcast Media	3
_____	SKB 216 Ski & Snowboard Marketing and Media	3
Minimum Credit Hours Required		13
Minimum Contact Hours Required		195

Associate of Applied Science: Veterinary Technology This program provides specialty training, which enables you to assist a Doctor of Veterinary Medicine. You will gain practical experience with both large and small animal medicine and surgery in clinical situations through a work experience in a veterinary practice and at the 200-acre Veterinary Technology farm. The college owns and cares for over 75 resident animals for use in the program.

Graduates from this program have established a nationwide reputation and the Colorado Commission on Higher Education (CCHE) has honored the Veterinary Technology program with an Award for Excellence in education.

This program is academically challenging. Therefore, you must fulfill preliminary requirements before enrolling in these courses. The following skill levels are required: you must be scholastically qualified to enroll in: ENG-121, MAT-121, and able to read at the college-level. You must demonstrate these required skill proficiencies through either Accuplacer placement tests or acceptable ACT or SAT scores. Your proficiency may affect the sequence of courses in which you enroll and may extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

The Veterinary Technology program has admission requirements in addition to those of the College. An admission packet can be obtained by contacting Pre-enrollment Services. Please call the Central (1-800-621-8559) or Spring Valley (1-970-947-8276) admissions staff for details and application packet. The application packet may also be downloaded from the CMC website at http://www.coloradomtn.edu/new_students/applications_forms/. Space is limited to the first 32 qualified applicants. The admission packet should be submitted during the spring semester for admission in the following fall.

Graduates will receive an Associate of Applied Science Degree in Veterinary Technology. Students desiring a program in pre-veterinary medicine should enroll in the Associate of Science Degree program.

The Veterinary Technology program is offered at Roaring Fork Campus-Spring Valley. See the Course Description section for details.

A minimum grade of "C" is required in all classes necessary for graduation with a degree in Veterinary Technology.

VET courses have a specific sequence. Please see your advisor for a recommended sequence of courses to develop your schedule.

General Education Requirements (21 credits)

ENG 121	English Composition I	3
* COM 115	Public Speaking	3
<i>OR</i>		
* COM 125	Interpersonal Communication	(3)
* PSY 106	Human Relations	3
<i>OR</i>		
PSY 101	General Psychology I	(3)
BIO 204	Microbiology	4
* BIO 230	Animal Anatomy & Physiology I with Lab	4
* BIO 232	Animal Anatomy & Physiology II with Lab	4
		21

Program Requirements (53 credits)

VET 100	Introduction to Veterinary Technology	2
VET 102	Computer Applications for Veterinary Technicians	1
VET 103	Mathematics for Veterinary Technicians	1
VET 105	Animal Handling & Restraint	2
VET 111	Animal Care I	1
VET 112	Animal Care II	1
VET 121	Clinical Pathology I with Lab	5
VET 123	Clinical Pathology II with Lab	5
VET 201	Anesthetic Nursing	3
VET 202	Anesthetic Nursing Laboratory	2
VET 203	Surgical Nursing	3
VET 204	Surgical Nursing Laboratory	2
VET 206	Radiography	3
VET 207	Radiography Laboratory	2
VET 208	Veterinary Medical Nursing I	3
VET 209	Veterinary Medical Nursing II	3
VET 211	Animal Care III	1
VET 212	Animal Care IV	1
VET 224	Pharmacology	3
VET 260	Veterinary Clinical Management	3
VET 287	Work Experience	5
VET ___	Veterinary Technician Management Courses	1
		53

Electives

Veterinary Technology Management Select Courses (Electives)

VET 126	Equine Management	1
VET 132	Feline Management	1
VET 134	Exotic Pet Management	1
VET 135	Wildlife Management	1
VET 136	Canine Behavioral Management	1

Minimum Credit Hours Required 74

Minimum Contact Hours Required 1500

Certificate: Basic Welding and Cutting* This certificate is designed to provide the skills necessary for the student to successfully enter the welding field.

Graduates will receive a Certificate of Occupational Proficiency in Basic Welding and Cutting.

The Basic Welding and Cutting certificate is offered at Rifle. See the Course Description section for more information.

_____	WEL 100 Safety for Welders	1
_____	WEL 102 Oxyacetylene Joining Processes	4
_____	WEL 103 Basic Shielded Metal Arc I	4
Minimum Credit Hours Required		9
Minimum Contact Hours Required		202.5

Certificate: Pipe Welding* The advanced welder will gain a better understanding of welding techniques and refine their skills within the welding industry.

Graduates will receive a Certificate of Occupational Proficiency in Pipe Welding.

The Pipe Welding certificate is offered at the West Garfield campus. See the Course Description section for more information.

_____	WEL 230 Pipe Welding I	4
_____	WEL 231 Pipe Welding II	4
_____	WEL 236 Pipe Welding Practices	3
_____	WEL 238 Fabrication of Pipe	3
Minimum Credit Hours Required		14
Minimum Contact Hours Required		315

* Completing both welding certificates will prepare students to take the American Welding Society (AWS) certification exam.

Certificates of Completion

Colorado Mountain College offers two types of certificate programs: certificates of occupational proficiency (CTE) and certificates of completion. This section defines certificates of completion. See the Career and Technical Education Certificates and Degrees section for a description of occupational certificates.

Certificates of Completion

Colorado Mountain College offers several Certificates of Completion to students who complete a group of courses with a particular emphasis. A certificate of completion attests to successful completion of a structured program of courses designed to establish proficiency in a specific field. Individual courses are posted on a student's transcript. COC's are not recognized on a transcript. Please see a CMC advisor.

These courses are helpful for learning special skills or for concentrating your learning in a special area of interest. The following section lists three certificates of completion: Creative Arts, Fly Fishing Guide, and Outdoor Education.

The Creative Arts, Fly Fishing Guide, and Outdoor Education certificates of completion are not vocational certificates. Because they are not vocational certificates, they are not eligible for financial aid unless taken as part of a state-recognized degree or certificate. However, the requirements have been specially designed so that courses count as credit for the Associate of Arts, Associate of Science or Associate of General Studies degrees. These degrees are received for transfer by Colorado's public colleges and universities. They have been received by several other institutions as well.

Each certificate program has specific requirements, and certificates are offered only as specified.



Creative arts opportunities are available at all campuses.

Creative Arts

Certificates of Completion

Certificate of Completion: Creative Arts This program is designed to provide basic artistic training for career or personal interest. The arts are important to our communities and this program encourages you to become an active contributor through your creative work. Thirty credits in the fine arts, the humanities and other creative fields allow you to individualize the program to meet your goals. Optional art internships with a local arts organization are available once you have completed fifteen credits toward this certificate. This program allows you to explore several media and to receive additional training in an area of your choice.

Students completing this program will receive a Creative Arts Certificate of Completion. Though the certificate itself is not approved by the State of Colorado for occupational education or transfer, the program may be structured to apply the credits toward our Associate of Arts or Associate of General Studies degrees. Please consult with a college counselor for information on these options.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

The Creative Arts Certificate of Completion is offered at the Aspen campus.

General Education Electives (minimum 6 credits, choose 2 courses)

_____	🔒 ART 110 Art Appreciation	3
_____	🔒 ART 111 Art History Ancient to Medieval	3
_____	🔒 ART 112 Art History Renaissance to Modern	3
_____	🔒 HUM121 Early Civilizations	3
_____	🔒 HUM122 From Medieval to Modern	3
_____	🔒 HUM123 The Modern World	3

Fine Art Electives (minimum 15 credits)

_____	* ART 115 Stained Glass I	3
_____	* ART 121 Drawing I	3
_____	* ART 124 Watercolor I	3
_____	* ART 128 Figure Drawing I	3
_____	* ART 131 Visual Concepts 2-D Design	3
_____	* ART 132 Visual Concepts 3-D Design	3
_____	* ART 140 Color Photography I	3
_____	* ART 151 Painting I	3
_____	* ART 154 Figure Painting I	3
_____	* ART 161 Ceramics I	3
_____	* ART 162 Handbuilt Clay I	3
_____	* ART 165 Sculpture I	3
_____	* ART 221 Drawing II	3
_____	* ART 224 Watercolor II	3
_____	* ART 228 Advanced Figure Drawing	3
_____	* ART 251 Painting II	3
_____	* ART 252 Painting III	3
_____	* ART 261 Ceramics II	3
_____	* ART 262 Ceramics III	3
_____	* ART 265 Sculpture II	3

Allied Creative Electives (min. 3 credits)

_____	* ENG 221 Creative Writing I	3
_____	* ENG 227 Poetry Writing	3
_____	🔒 HUM ___ Elective	3
_____	🔒 LIT ___ Elective	3
_____	🔒 MUS ___ Elective	3
_____	* DAN & THE ___ Elective	3
_____	🔒 PHI ___ Elective	3

Art Internships or Additional Art Electives (min. 6 credits)

Six elective credits in the visual arts that may or may not be designed for transfer. Consult with your college counselor.

_____	ART 280 Art Internship	_____
_____	CIS ___ Computer Information Systems	_____
	OR	
_____	MGD ___ Any Graphics course	_____

Any course with the following headings

_____	ART ___ Fine Arts	
_____	MGD ___ Graphic Design	

Total Credits Toward Certificate

General Education Electives (min. 6 credits)	_____
Fine Art Electives (min. 15 credits)	_____
Allied Creative Electives (min. 3 credits)	_____
Art Internships or Additional Art Electives (min. 6 credits)	_____

Other credits _____

Minimum Credit Hours Required 30
Minimum Contact Hours Required 540-742.5

Fly Fishing Guide

Certificates of Completion

Certificate of Completion: Fly Fishing Guide This program is designed to provide the training and education that will lead to success as a fly fishing guide. In the major river basins of Colorado, as well as across the country, fly fishing has become a major recreational activity. This program includes courses that will improve your technical knowledge of the science of fly fishing in both moving and still waters, while stressing the interaction with clients and the natural environment and being exposed to the aspects of running a small business.

Students completing this program will receive a Fly Fishing Guide Certificate of Completion from Colorado Mountain College. CMC faculty and staff have worked with an industry-related board in the development of this program to ensure that it meets the needs of the industry.

Following is a suggested sequence of courses. See your advisor to develop your own schedule.

The Fly Fishing Guide Certificate is offered at Leadville. For more information see the Course Description section.

Required Courses

_____	BIO 156 Aquatic Entomology	3
_____	HWE115 Medic First Aid	.5
_____	* MAN216 Small Business Management	3
_____	OUT 117 Professional Fly Fish Guiding Skills I	2
_____	OUT 217 Professional Fly Fish Guiding Skills II	2
_____	PER 253 Outdoor Leadership	2
Minimum Credits Required		12.5
Minimum Contact Hours Required		255.5

Electives

_____	OUT 122 Boat Handling for Fly Fishing Guides	3
_____	* PED 228 Fly Tying	1



Outdoor Education

Certificates of Completion

Certificate of Completion: Outdoor Education Colorado Mountain College's Outdoor Education Certificate offers a comprehensive series of backcountry travel and appreciation courses. Course work in the natural sciences, humanities, recreation and environmental appreciation are blended to provide opportunities for growth and challenge.

Students completing the program will receive an Outdoor Education Certificate of Completion. These courses are helpful for learning special skills or for concentrating your learning in a special area of interest. The Outdoor Education Certificate of Completion is not a Certificate of Occupational Proficiency; however, special emphasis has been given to designing the requirements so that courses count as credit for the Associate of Arts, Associate of Science or Associate of General studies degrees. These degrees are received for transfer by Colorado's public colleges and universities. They have been received by several other institutions as well.

Students must demonstrate acceptable proficiency levels in reading, writing, and mathematics as prerequisites for courses within this certificate. Skills in these areas may affect the sequence in which you can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Students also have the option to transfer credits into the career-oriented Associate of Arts: Outdoor Education or the Associate of General Studies: Outdoor Recreation Leadership program.

The Outdoor Education Certificate of Completion is offered at Steamboat Springs, Aspen, Roaring Fork, Leadville, Summit, and Edwards.

General Education Electives (min. 4 credits)

🔒 BIO 105 Science of Biology	4
🔒 BIO 111 General College Biology with Lab	5
🔒 GEY 111 Physical Geology	4
🔒 GEY 121 Historical Geology	4

Outdoor Education Leadership Requirements (min. 8 credits)

* OUT 287 Internship: Outdoor Leadership	2
* PSY 211 Leadership Development	3
* HUM137 Wilderness & the American Ethic	3

Physical Education and Outdoor Skills Electives

(min. 2 credits) Other OUT and PED courses may apply. See your advisor.

OUT 119 Swiftwater Rescue Technician I	1
* OUT 120 Orienteering	1
* OUT 210 Survival Skills	1
* PED 123 Bicycle Touring	1
* PED 124 Mountain Biking	1
* PED 127 Fly Fishing	1
* PED 133 Beginning Snowboarding	1
* PED 139 Beginning Telemark Skiing	1
* PED 150 Rock Climbing	1
* PED 151 Rock Climbing II	1
* PED 152 Beginning Ice Climbing	1
* PED 223 Beginning Mountaineering	1
* PED 209 Ski Mountaineering	1

Outdoor Education Electives Students must take at least 2 credits of advised electives from the following disciplines: ANT, AST, BIO, GEO, GEY, OUT, PER-152.

Orientation Electives (min. 6 credits)

* OUT 111 Mountain Orientation	2
* OUT 112 Desert Orientation	2
* OUT 113 Canyon Orientation	2
* OUT 114 Snow Orientation	2
* OUT 118 River Orientation	2

First Aid Electives (min. 0.5- 4 credits)

Industry standard is suggested.

HWE 115 Medic First Aid	.5
HWE 103 Community First Aid & CPR	.5
HWE 129 Wilderness First Responder	4
HPR 125 Outdoor Emergency Care	4

Minimum Credit Hours Required

22.5 - 26

Minimum Contact Hours Required

309 - 630

This program operates on public lands and rivers with special permits from the U.S. Forest Service, Bureau of Land Management, Colorado State Parks, and National Park Service.



Colorado State Parks

Courses & Academic Policies

Courses

- **Academic Policies**
- **Reading the Course Codes**
- **Where the Courses are Offered**
- **Repeatable Courses**
- **Lifelong Learning/Non Credit Course Offerings**
- **Discipline/Subject Acronyms**
- **Complete Credit Course Listing by Subject**

Academic Policies

This section describes academic policies related to certificate and degree completion, class cancellation and academic conduct.

Academic Forgiveness Policy

Occasionally, due to overwhelming and unavoidable circumstances, a student earns grades that are not representative of his/her abilities. Colorado Mountain College recognizes that grades can have both a positive and negative impact on a student's educational objectives. In an effort to diminish the negative impact of these grades on the student's ability to obtain a degree or certificate at Colorado Mountain College, the college has developed an Academic Forgiveness Policy. This policy is not intended to simply allow the student to remove a semester of poor performance.

The program is intended to provide a second chance (at Colorado Mountain College) for the student who earned poor grades because of unusual circumstances that were overwhelming and unavoidable. The policy may also offer a second chance for the student who did not perform well and has been absent from the institution for several years and wishes to return and begin a new grade point average, etc. For additional information concerning Academic Forgiveness, please contact your College Counselor.

Academic Honesty

To fulfill its purposes, Colorado Mountain College maintains high standards of academic behavior. All members of the Colorado Mountain College community are expected to exhibit honesty in their academic work.

Colorado Mountain College courses can help you create new life options. Career and Technical Education courses are designed to give you entry-level skills in everything from Accounting and Graphic Design to Ski Area Operations. Academic programs feature the rigorous and transferable Colorado State Guaranteed Transfer Courses.

Students have a responsibility to acquaint themselves with and make use of proper procedures for writing papers, taking examinations, and doing research. The principle of academic honesty is understood to apply to all student work, including papers, reports, computer work, quizzes, and examinations. Colorado Mountain College reserves the right to suspend or dismiss a student whose conduct is found to be in conflict with the principle of academic honesty.

Academic Standing

Each semester, the Registrar reviews the academic performance of students. This review determines the students' academic standing. The following sections describe the criteria used to determine academic standing.

Academic Probation

Students who have attempted 9 or more hours at Colorado Mountain College ("AW" is, for this purpose, included as attempted) and who have earned a cumulative grade point average of 1.0 to 1.99 are placed on Academic Probation. Probationary status remains for the next semester of enrollment.

Students who are placed on Academic Probation have one semester of enrollment to bring their cumulative grade point average up to at least 2.0. If, at the end of the next term of enrollment, the students' cumulative grade point average is not 2.0 or better, they will be placed on Academic Suspension.

Academic Suspension

Students who have attempted 9 or more hours at Colorado Mountain College ("AW" is, for this purpose, included as attempted) and who have earned a cumulative grade point average of less than 1.0 will be placed on Academic Suspension.

Students placed on Academic Suspension have a right to appeal the suspension.

Please contact your College Counselor for instructions related to the appeal. Usually, suspensions remain for at least one semester. Students suspended for academic reasons must, even after one semester, appeal in writing for reinstatement.

Dean's Honors List

Students with a declared program intent and who have earned six credit hours or more of evaluative grades ("A" through "F" not including "P" in college-level courses numbered 100 to 299) in the semester under review, and have earned a term grade point average of 3.5 to 3.99, are admitted to the Dean's Honors List.

President's Honors List

Students with a declared program intent and who have earned six credit hours or more of evaluative grades ("A" through "F" not including "P" in college-level courses numbered 100 to 299) in the semester under review, and have earned a term grade point average of 4.0, are admitted to the President's Honors List.

Catalog in Force Requirement

The catalog in force, or catalog of record, requirement, is based on the Colorado Mountain College academic year, which runs from summer semester to summer semester. The academic year is defined as summer, fall and spring semesters.

Students who do not maintain continuous enrollment will lose the right to use the original catalog requirements and must use the catalog in force at the time of re-enrollment. Continuous enrollment for this purpose is defined as the successful completion at Colorado Mountain College of at least three credit hours, which are applicable to the program requirements including any developmental courses required, within the previous three semesters including the summer semester.

Students also have the option of selecting the catalog that is in force at the time they apply for graduation, or a catalog between these years.

Please contact the Colorado Mountain College Registrar Office with any questions concerning the catalog in force/catalog of record policy.

Class and Program Cancellation Policy

Colorado Mountain College reserves the right to cancel any of its classes or programs. Reasons for cancellation include but are not limited to lack of enrollment, instructor withdrawal, inability to gain needed insurance coverage, loss of facilities needed to conduct the class and inability to acquire or retain specialized equipment needed to conduct the class.

The College may conduct the first session of a class in anticipation of enrollment sufficient to meet required minimums. If the necessary enrollment is not reached, the class may be cancelled prior to its second session. The College retains the right to alter time schedules or make other changes as necessary.

Continuous Enrollment Policy

Continuous enrollment for this purpose is defined as the successful completion at Colorado Mountain College of at least three credit hours, which are applicable to the program requirements including any developmental courses required, within the previous three semesters including the summer semester.

If you do not maintain continuous enrollment, you will lose the right to use the original catalog requirements and must use the catalog in force at the time of re-enrollment. You also have the option of selecting the catalog which is in force at the time you apply for graduation, or a catalog between these years of continuous enrollment.

See the Catalog in Force section of this document for more information.

Reading the Course Codes

This section will help you understand our course coding system so you can easily find the course you are looking for. This section also explains the transferability of courses, and special requirements for admission into some courses.

Transfer Courses

All Colorado Guaranteed Transfer courses are marked with a padlock (🔒) icon. For courses outside of the Colorado Guaranteed Transfer Curriculum, Colorado Mountain College uses standard Colorado numbering and titles for many transfer-level courses. This coding is part of a statewide system to ease the transfer process by standardizing titles and descriptions for additional transfer-level courses.

As part of the State Guaranteed Transfer Curriculum, public two-year colleges in Colorado use the same titles, numbers and descriptions for transfer-level courses that are offered by more than one school (see "Course Numbers" below).

Courses marked with an asterisk (*) apply to the CMC AA and AS degrees and are generally accepted in transfer by two or more Colorado public four-year colleges or universities. A list of these institutions and the specific courses they accept is available from your counselor or advisor. This list can be very helpful as you plan your schedule and prepare for transfer. Requirements may change, so check with the receiving institution for its current catalog.

Course Letters

The alphabetic codes at the beginning of each course description abbreviate both the content of the course and the department offering it. For example, Math courses are listed under the alphabetic code MAT. Business courses can be found under BUS, English under ENG, and so on. Courses which include "Developmental" in their title are designed to develop basic skills for students working below college-level in reading, study skills, math and English. These courses do not apply toward graduation, but help students advance from any level of ability through two years of college.

Course Numbers

The numeric portion of the code is based on the following:

1. Developmental, basic, pre-college and non-credit courses are numbered 000-099 and 900-999. These do not apply toward Colorado Mountain College certificates or degrees.
2. Courses numbered 100-299 apply toward Colorado Mountain College

certificates and degrees. Not all courses apply to all degrees. Check the catalog description of each degree to determine whether the course can be applied to the degree in which you are interested.

3. Courses marked with an asterisk (*) in the Course Description section apply to the CMC AA or AS degrees. State Guaranteed Transfer Courses are marked with a lock (🔒)
4. Courses numbered 700-799 are non-credit courses which grant Continuing Education Units (CEUs).
5. Courses numbered 800-899 are usually offered for high school students. These do not apply to Colorado Mountain College degrees and certificates.
6. For transcript evaluation purposes, a historical record of all previous equivalent course codes is included at the end of the course description.

Course Corequisites and Prerequisites

Some classes require previous coursework before you can enroll. These are listed as prerequisites after the title of each course description. If a course requires you to take another class simultaneously, the second course will be listed as a corequisite. These are also listed after the title of each course description.

Course Credits and Clock Hours

Clock hours are listed at the end of each course description. Credits are determined by the number and type of clock hours assigned to each course. For example, 15 lecture hours, 30 laboratory hours or 45 hours of cooperative work experience or nursing clinical each yield one credit hour. Some classes combine these types of instruction.

The following are the current codes for each type of instruction:

CLIN Clinical Practicum
 COOP Cooperative Education
 ELU Elluminate
 IVS Interactive Video
 LAB Laboratory
 LEC Lecture
 LECL Lecture/Lab. Combination
 TWEB TeleWeb
 WEB Online

Where the Courses are Offered

This is a list of all the courses from the Colorado Mountain College Master Course List. These courses are offered as part of the Associate of Arts, Associate of Science, Associate of Applied Science, Associate of General Studies degrees, career and technical, and general education certificates.

However, not all courses are offered at every campus each term. Some courses require special facilities available only at one campus. Others were developed to serve the specific needs of students in one area of our district. To learn which of these courses are offered at the campus nearest you, check the Arts and Science Degrees or Career and Technical Education Degree and Certificate sections of this catalog, or read the class schedule published every semester by each campus.

Schedules are published online at www.coloradomtn.edu/classes/

The Master Course List is reviewed each year prior to publishing the catalog to ensure that each course listed has been recently offered. During the year other courses may be added or deleted from this list.

Class Schedules

Each campus publishes the classes offered at that location and via distance learning. Schedules are published approximately two to three weeks before registration begins, and are also available online at www.coloradomtn.edu/register.

Designated Repeatable Courses

A limited number of courses have been designated as repeatable for credit. These courses are noted in the course description section of this Catalog:

- Art Sampler: ART-118
- Art Seminar/Workshop: Art 178
- College 101: The Student Experience: AA 101
- Construction Lab 1: CAR 170
- Cooperative Work Experience: Courses Coded 187 or 287
- Culture Studies: Art 208
- Ensemble: MUS 151
- Geology Field Trip: GEY 208
- Internships
- Southwest Field Exploration: ANT 280
- Special Topics: Courses Coded 175 or 275
- Studio Art: 209

While there is no limit to the actual number of credits which may be awarded within these course codes, you may count only up to a maximum of six credit hours of Special Studies courses toward the Associate of Arts and Associate of Science degree requirements.

Lifelong Learning/Non Credit Course Offerings

Many Colorado Mountain College students take non-credit courses.

Non-credit courses are offered in subject areas or at academic levels not appropriate for credit work at the community college level. These courses are self-supporting so fees must cover all costs of instruction. These courses are designated as non-credit in the course schedule. Prior to summer 2003, non-credit courses did not appear on the student's academic record. Currently, a special non-credit transcript is available.

Some non-credit programs provide Continuing Education Units (CEUs) for completion. Please inquire upon registration if you are seeking CEUs. A special CEU transcript is available.

Non-credit students pay fees as listed in the class schedule descriptions. No grades are issued. No academic credit is earned.

Non-credit courses are not published in the Master Course listing, but are published in the campus class schedules and on the web at: www.coloradomtn.edu/classes/.

Discipline/Subject Acronyms

2011-2012 Discipline/Department Groups
in alphabetical order:

Accounting	ACC
Art	
Visual Arts	ART
Business	
Business	BUS
Business Technology	BTE
Management	MAN
Marketing	MAR
Small Business Management	SBM
Career and Technical Education	
Agriculture	AGR
Agriculture Crops & Soils	AGY
Architectural Engineering & Construction Management	AEC
Automotive Collision	ACT
Auto Service Technology	ASE
Aviation Technology	AVT
Computer Assisted Drafting	CAD
Construction Technology	CON
Criminal Justice	CRJ
Electricity Industrial/Commercial	ELC/EIC
Electronics	ELT
Energy Technology	ENY
Equine Management	EQM
Fine Woodworking	FIW
Geographic Information Systems	GIS
Law Enforcement Academy	LEA
Medical Office Technology	MOT
Occupational Safety and Health	OSH
Occupations	OCC
Paralegal	PAR
Public Service	PSV
Welding	WEL
Communications	
Communications	COM
English Communications	ENG
Film and Video Media	FVM
Journalism	JOU
Radio and Television	RTV
Library Science	LTN
Criminal Justice	CRJ
Culinary Arts	CUA
Dance	DAN
Developmental Studies	
Academic Achievement	AAA
Developmental English	ENG 000-090
Developmental Math	MAT 000-099
General Equivalency Diploma	GED
Reading	REA

Education	
Early Childhood Education	ECE
Education	EDU
Emergency Medical Services	
Emergency Medical Services	EMS
Engineering	EGG
Engineering Technology	ENT
English as a Second Language	
English as a Second Language	ESL
Fire Science Technology	FST/FSW
Foreign Language/ASL	
American Sign Language	ASL
Chinese	CHI
French	FRE
German	GER
Italian	ITA
Japanese	JPN
Latin	LAT
Russian	RUS
Spanish	SPA
Translation and Interpretation	TRI
Golf Club Management	GCM
Graphic Design	
Multimedia Graphic Design	MGD
Health and Wellness and Recreation	
Health Professional	HPR
Health Science	HSC
Health & Wellness	HWE
Holistic Health Professional	HHP
Outdoor Studies	OUT
Physical Education	PED
Physical Education Recreation	PER
Recreation	REC
Historic Preservation	
Apprentice-Related Experience	ARE
Architecture	ARC
Carpentry	CAR
Construction Technology	CON
Energy Technology	ENY
Fine Woodworking	FIW
Historic Preservation Program	HPP
Interior Design	IND
Machining	MAC
Humanities	
Humanities	HUM
Literature	LIT
Philosophy	PHI

Information Technology	
Computer Based Web	CWB
Computer Information Systems	CIS
Computer & Networking Technology	CNG
Computer Science	CSC
Math	MAT 100-299
Music	MUS
Natural Resource Management	
Forestry Technician	FSW
Water Quality Management	WQM
Nursing	
Nurse Aide	NUA
Nursing	NUR
Outdoor Studies	
Outdoor Studies	OUT
Professional Photography	PHO
Process Technology	PRO
Industrial Maintenance	IMA
Real Estate	REE
Resort Management	HOS
Science	SCI
Astronomy	AST
Biology	BIO
Chemistry	CHE
Environmental Science	ENV
Geography	GEO
Geology	GEY
Meteorology	MET
Physics	PHY
Ski Area Operations	SAO
Ski Business	SKB
Social & Behavioral Sciences	
Anthropology	ANT
Economics	ECO
Geography	GEO
History	HIS
Political Science	POS
Psychology	PSY
Sociology	SOC
Theatre	THE
Veterinary Technology	VET

2011-2012 Course Listings

11-12 Course Listing

AAA-ACC

Credit Courses by Subject

This section summarizes all credit courses offered through CMC by subject. Included with the description are the clock hours, credit hours, and previous course codes used by the course offering.

Academic Achievement AAA

AAA-010 - ACADEMIC ACHIEVEMENT IN PRE-COLLEGE : EQUIVALENT STUDIES 1.0 CR

Meets the requirements of the Comprehensive Student Assessment System and the Secretary's Commission on Achieving Necessary Skills, as well as work and postsecondary enrollment skills.
Clock Hours: 15 (LEC)

AAA-050 - SEMESTER SURVIVAL 2.0 CR

Emphasizes basic study skills in order to bolster the student's chances of completing the current semester successfully.
Clock Hours: 30 (LEC)

AAA-090 - ACADEMIC ACHIEVEMENT STRATEGIES 3.0 CR

Develops personalized approaches to learn and succeed for easier transition into college. Topics include goal setting, time management, textbook reading strategies, note taking, test taking, listening techniques, concentration and memory devices, and critical thinking for student success.
Clock Hours: 45 (LEC)

AAA-095 - MATH HELPS 1.0 CR

Provides students with the opportunity to supplement their current math course with mathematical instruction individually designed to "fill in the holes" of missing mathematical concepts. In addition, the course serves as a solid review of mathematical concepts in preparation for college-level math courses. Students will study the content area needed for that student, as indicated by a diagnostic assessment.
Clock Hours: 15 (LEC)

AAA-099 - ACTIVE LEARNING SKILLS 1.0 CR

This course allows students a variety of experiences in tutorial and enhanced learning activities in reading, writing, math, and ESL. Topics include academic support, learning styles, and contextualized learning. Students will acquire reading, English composition, English as a Second Language and/or mathematics skills through the use of course tutorial software and individualized instruction.
Clock Hours: 15 (LEC)

AAA-101 - COLLEGE 101:THE STUDENT EXPERIENCE 1.0 CR

Introduces students to college culture and prepares them for the challenges they will face in higher education. Through a series of interactive seminars, students discover learning in a multicultural environment and use college and community resources to attain education and career goals.
Clock Hours: 15 (LEC)

AAA-109 - ADVANCED ACADEMIC ACHIEVEMENT 3.0 CR

Examines theories and practices associated with successful learning to enhance college success. Areas of study include education and career planning, effective communication, personal management, critical and creative thinking, development of community, and awareness of diversity, leadership, and techniques for

successful academic performance. Recommended for new and returning students.

Prev. Course Codes: (PSY-100) (SKS-125) (SKS-080) (SKS-101) (COM-150) Clock Hours: 45 (LEC)

AAA-175 - SPECIAL TOPICS 5-6.0 CR

Exploration of current topics, issues, and activities related to one or more aspects of the named discipline.

AAA-176 - SPECIAL TOPICS 5-6.0 CR

Exploration of current topics, issues, and activities related to one or more aspects of the named discipline.

Accounting ACC

ACC-101 - FUNDAMENTALS OF ACCOUNTING 3.0 CR

PREREQUISITE: College-Level Reading
Presents the basic elements and concepts of accounting, with emphasis on the procedures used for maintaining journals, ledgers, and other related records, and for the completion of period reports for small service and merchandising businesses.

Prev. Course Codes: (ACC-010) (ACG-010) (ACG-120) Clock Hours: 45 (LEC)

ACC-115 - PAYROLL ACCOUNTING 3.0 CR

PREREQUISITE: ACC-101 or ACC-121; Min. grade C-

Studies federal and state employment laws and their effects on personnel and payroll records. The course is non-technical and is intended to give students a practical working knowledge of the current payroll laws and actual experience in applying regulations. Students are exposed to computerized payroll procedures.

Prev. Course Codes: (ACC-240) Clock Hours: 45 (LEC)

* ACC-121 - ACCOUNTING PRINCIPLES I 4.0 CR

PREREQUISITE: College-Level Reading
Introduces the study of accounting principles for understanding of the theory and logic that underlie procedures and practices. Major topics include the accounting cycle for service and merchandising companies, special journals and subsidiary ledgers, internal control principles and practices, notes and interest, inventory systems and costing, plant assets and intangible asset accounting, and depreciation methods and practices.

Prev. Course Codes: (ACG-111) (ACG-151) Clock Hours: 60 (LEC)

* ACC-122 - ACCOUNTING PRINCIPLES II 4.0 CR

PREREQUISITE: ACC-121; Min. grade C-
Continues the study of accounting principles as they apply to partnerships and corporations. Major topics include stocks and bonds, investments, cash flow statements, financial analysis, budgeting, and cost and managerial accounting.

Prev. Course Codes: (ACG-112) (ACG-152) Clock Hours: 60 (LEC)

ACC-125 - COMPUTERIZED ACCOUNTING 3.0 CR

PREREQUISITE: ACC-121; Min. grade C-
Introduces the capabilities of computer applications in accounting. Includes solving accounting problems of a financial nature and hardware and software controls.
Prev. Course Codes: (CIS-153) (CIS-155) (CIS-030) (CSC-030) (CSC-130) (ACG-226) Clock Hours: 45 (LEC)

ACC-131 - INCOME TAX 3.0 CR

PREREQUISITE: ACC-122; Min. grade C-
This course is the study of basic concepts of federal

income taxation, including gross income, deductions, accounting periods and methods, and property transactions, with emphasis on taxation of individuals and sole proprietorships.

Prev. Course Codes: (ACC-221) (ACC-015) (ACG-015) (ACG-161) Clock Hours: 45 (LEC)

ACC-135 - SPREADSHEET APPLICATIONS FOR ACCOUNTING 3.0 CR

PREREQUISITE: CIS-118; Min. grade C-
This course introduces spreadsheets as an accounting tool. Using an accounting perspective, the student applies fundamental spreadsheet concepts. The spreadsheet is used as a problem-solving and decision-making tool.
Clock Hours: 45 (LEC)

ACC-138 - PAYROLL & SALES TAX 3.0 CR

PREREQUISITE: ACC-101 or ACC-121; Min. grade C-

Acquaints students with laws pertaining to payroll and sales taxes including record keeping rules. Student prepare various federal, state, and local forms for reporting payroll taxes and sales taxes. A computerized payroll simulation is included in the course.
Clock Hours: 45 (LEC)

ACC-139 - BUDGET MANAGEMENT 1.0 CR

Teaches the basics of budgets including analyzing, managing, and tracking costs.
Clock Hours: 15 (LEC)

ACC-140 - ACCOUNTING SOFTWARE: (SOFTWARE) 1.0 CR

Students are introduced to specialized accounting software. Students will enter data, create invoices, write checks, use accounts payable and account receivable, record and pay sales and payroll taxes, do job costing, and generate reports.
Clock Hours: 22.5 (LECLB)

ACC-175 - SPECIAL TOPICS 1.0-6.0 CR

PREREQUISITE: 8 credits; Min. grade C-From Department ACC;
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

ACC-177 - SPECIAL TOPICS 6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.
Clock Hours: 135 (LECLB)

ACC-211 - INTERMEDIATE ACCOUNTING I 4.0 CR

PREREQUISITE: ACC-122; Min. grade C-
Focuses on comprehensive analysis of generally accepted accounting principles (GAAP), accounting theory, concepts, and financial reporting principles for public corporations. It is the first of a two-course sequence in financial accounting and is designed primarily for accounting and finance majors. Focuses on the preparation and analysis of business information relevant and useful to external users of financial reports. Explores the theories, principles and practices surveyed in Accounting Principles and critically examines real world financial analysis and reporting.
Prev. Course Codes: (ACC-027) (ACG-027) (ACG-252) Clock Hours: 60 (LEC)

ACC-212 - INTERMEDIATE ACCOUNTING II 4.0 CR

PREREQUISITE: ACC-211; Min. grade C-
Focuses on the theoretical and practical aspects of accounting for long term liabilities, stockholders' equity, investments, pensions, and leases. Includes income tax allocation, financial statement analysis, cash flow statements, and accounting methods changes.
Prev. Course Codes: (ACC-028) (ACG-028) Clock Hours: 60 (LEC)

ACC-215 - ACCOUNTING INFORMATION SYSTEMS AND E-BUSINESS 3.0 CR

PREREQUISITE: ACC-122; *Min. grade C-*
Studies the principles, concepts and tools used in the analysis, design, implementation, and integration of accounting systems, internal controls systems, and accounting procedures. Key elements of system analysis, business systems design, accounting software selection, and the acquisition and implementation of systems are studied. Techniques and systems for electronic control systems, electronic data interchange, electronic funds transfer, and web commerce are explored.
Prev. Course Codes: (ACC-245) Clock Hours: 45 (LEC)

ACC-216 - GOVERNMENTAL & NOT-FOR-PROFIT ACCOUNTING 3.0 CR

PREREQUISITE: ACC-122; *Min. grade C-*
Addresses concepts of budgetary control as a matter of law and public administration theory. Accounting principles and procedures necessary to implement budgetary controls for governmental units and other not-for-profit institutions and organizations are presented.
Prev. Course Codes: (ACC-250) (ACC-085) (ACG-085) Clock Hours: 45 (LEC)

ACC-226 - COST ACCOUNTING 3.0 CR

PREREQUISITE: ACC-122; *Min. grade C-*
Studies cost accumulation methods and reports. Focuses on the concepts and procedures of job order, process, standard and direct cost systems, budgeting, planning, and control of costs.
Clock Hours: 45 (LEC)

*** ACC-231 - BUSINESS TAXATION** 3.0 CR

PREREQUISITE: ACC-131(22); *Min. grade C-*
Introduces students to taxation of business entities and transactions. Topics include taxation of property transactions, various tax issues that apply to different tax entities, tax administration and practice, and the taxation effects of formation, operation, and dissolution of corporations, partnerships, S corporations, trusts, and estates.
Clock Hours: 45 (LEC)

ACC-232 - AUDITING 3.0 CR

PREREQUISITE: ACC-122 ACC-215; *Min. grade C-*
Studies auditing procedures, standards, and programs; examines financial statements and the preparation of audit working papers. Good working relationship features between the internal accountant and external auditor will be analyzed to assist them in preparing for audits. This course will focus on the audit process, procedures, and mechanics.
Clock Hours: 45 (LEC)

ACC-235 - COMPUTERIZED ACCOUNTING FOR SMALL BUSINESS 3.0 CR

PREREQUISITE: ACC-121; *Min. grade C-*
Introduces a microcomputer package, such as Quickbooks, One-write Plus, or similar accounting application for use in a small business. Focuses on installation, starting the application, and converting a manual accounting system to an electronic system. Includes an easy to use bookkeeping system that incorporates all daily transactions and summarizes records in reports for a complete financial picture.
Clock Hours: 45 (LEC)

ACC-275 - SPECIAL TOPICS 1.0-6.0 CR

PREREQUISITE: 8 credits; *Min. grade C-From Department ACC;*
Provides students with a vehicle to pursue special top-

ics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Prev. Course Codes: (ACC-290A) Clock Hours: 0 (LEC)

ACC-287 - COOPERATIVE EDUCATION 3.0 CR

Provides an opportunity to gain practical experience in applying occupational skills and/or to develop specific skills in a practical work setting. The instructor works with the student to select an appropriate work site, establish learning objectives, and coordinate learning activities with the employer or work site supervisor. For Accounting majors only.

Prev. Course Codes: (ACC-130C) (ACC-030C) (ACC-030) (ACG-030C) Clock Hours: 135 (COOP)

ACC-294 - SERVICE LEARNING 5-6.0 CR

PREREQUISITE: 8 credits; *Min. grade C-From Department ACC;*

Allows the student to provide a service to the community utilizing knowledge and skills acquired from a course in which the student is currently enrolled or has previously taken at the student's respective college.

Architectural Engineering & Construction Management AEC

AEC-121 - CONSTRUCTION MATERIALS & SYSTEMS 3.0 CR

Examines building materials and construction techniques. Topics include a study of soils, concrete, brick, masonry, steel, timber, and plastics and a study of types of building structural systems and components. Principles of interpreting light commercial construction drawings (blueprints) for structural and trade information are also introduced.
Clock Hours: 45 (LEC)

Agriculture AGR

AGR-266 - FOOD POLITICS, POLICIES & PEOPLE 3.0 CR

Students will investigate political aspects of food production, control, regulation, inspection, economics, and distribution. The history of political influences on U.S. and global food policies will be examined as well as contemporary and potential future issues. Students will compare and contrast existing with innovative food policy proposals and assess the impact of these potential policies on meeting the needs of future generations.
Clock Hours: 45 (LEC)

Agriculture, Crops & Soils AGY

*** AGY-240 - INTRODUCTORY SOIL SCIENCE** 4.0 CR

Focuses on formation, physical properties, chemical properties, and management of soils emphasizing conditions that affect plant growth.
Prev. Course Codes: (AGG-115) (AGG-161) (NRM-115) Clock Hours: 30 (LEC) 60 (LAB)

Anthropology ANT

ANT-101 - CULTURAL ANTHROPOLOGY 3.0 CR

PREREQUISITE: *College-Level Reading*
Studies human cultural patterns and learned behavior. Includes linguistics, social and political organization,

religion, culture and personality, culture change, and applied anthropology.

Prev. Course Codes: (ANT-152) Clock Hours: 45 (LEC)

ANT-107 - INTRODUCTION TO ARCHAEOLOGY 3.0 CR

PREREQUISITE: *College-Level Reading*

Introduces the science of recovering the human prehistoric and historic past through excavation, analysis, and interpretation of material remains. Includes a survey of the archaeology of different areas of the Old and New Worlds. Also includes the works of selected archaeologists and discussions of major archaeological theories.

Prev. Course Codes: (ANT-210) (ANT-250) Clock Hours: 45 (LEC)

ANT-108 - ARCHAEOLOGY OF WORLD ROCK ART 3.0 CR

PREREQUISITE: *College-Level Reading*

Introduces the archaeology of new and old world rock art dating from the historic past to over 30,000 years ago using a scientific perspective. Classification, recordation, dating, analysis, management and conservation, research ethics and protocols, and symbolic and ethnographic interpretation will be covered. Also addresses other formal approaches and established as well as emerging theory.
Clock Hours: 45 (LEC)

ANT-111 - PHYSICAL ANTHROPOLOGY 3.0 CR

PREREQUISITE: *College-Level Reading*

Studies human biology and its effects on behavior. Includes principles of genetics and evolution, vertebrates and primates, human origins, human variation, and ecology.

Prev. Course Codes: (ANT-151) Clock Hours: 45 (LEC)

*** ANT-121 - CULTURES OF THE SOUTHWEST** 3.0 CR

PREREQUISITE: ANT-101 ANT-107 or ANT-111; *Min. grade C-*

Includes the major prehistoric cultures (Paleoindian, Desert Culture, Anasazi, Hohokam, and Mogollon) and ethnographic views of the historic cultures (Pueblos, Navajo, Apache, Pima, Papago, Spanish-American, and Anglo-American). The purpose of the study is to trace the stages through which these cultures have passed in order to evaluate environmental influences on human activities and to perceive human influences on the environment.
Clock Hours: 45 (LEC)

*** ANT-137 - SOUTHWEST US ARCHAEOLOGY** 3.0 CR

PREREQUISITE: *College-Level Reading*

Identifies the complex regional population centers and cultural traditions of prehistoric peoples of the Four-Corners (Colorado, Arizona, New Mexico, Utah) and analyzes evidence of cultural interaction with peoples of Meso-America and with the ecology of the region.
Clock Hours: 45 (LEC)

ANT-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides opportunity for off-campus field experience or study of a special topic in anthropology. Field study may occur at archaeological sites, museums, host educational institutions, within ethnographic situations, or other anthropologically appropriate places. Study of a special topic may include that derived from physical anthropology, cultural anthropology, archaeology, or other anthropological discipline.
Clock Hours: 15 (LEC)

ANT-201 - INTRODUCTION TO FORENSIC ANTHROPOLOGY 3.0 CR

PREREQUISITE: College-Level Reading
Studies the basic principles of forensic anthropology, an applied field within the discipline of physical anthropology. Includes the study of the human skeleton, practical application of physical anthropology and archaeology, and judicial procedure as they relate to the identification of human remains within a medico-legal context.
Clock Hours: 45 (LEC)

*** ANT-211 - CULTURAL RESOURCE MANAGEMENT** 3.0 CR

PREREQUISITE: College-Level Reading
Introduces the cultural resources management requirements of the federal government. Explores the history, purposes, and goals of historic preservation through an examination of cultural, archaeological, and historical resources of the American Southwest. Note: Requires college-level reading.
Clock Hours: 45 (LEC)

ANT-215 - INDIANS OF NORTH AMERICA 3.0 CR

PREREQUISITE: College-Level Reading
Studies the Indians of North America from the origins of native peoples in the New World through the development of geographic culture areas, to European contact and subsequent contemporary Native American issues.
Prev. Course Codes: (ANT-230) (ANT-260) Clock Hours: 45 (LEC)

*** ANT-221 - EXPLORING OTHER CULTURES I** 3.0 CR

PREREQUISITE: College-Level Reading
Provides an anthropological understanding of a selected culture. Areas of study include the culture's language, processes of enculturation, subsistence patterns and economics, kinship and descent, political organization, religion, art, history, and its reactions to the forces of globalization.
Prev. Course Codes: (ANT-251) Clock Hours: 45 (LEC)

*** ANT-222 - EXPLORING OTHER CULTURES II** 3.0 CR

PREREQUISITE: ANT-221; Min. grade C-
Provides an anthropological understanding of another selected culture (continuation of ANT-221) with a more in-depth treatment. Areas of study include the culture's language, processes of enculturation, subsistence patterns and economics, kinship and descent, political organization, religion, art, history, and its reactions to the forces of globalization.
Clock Hours: 45 (LEC)

*** ANT-260 - SEX, GENDER, AND CULTURE** 3.0 CR

PREREQUISITE: College-Level Reading
Explores the anthropology of gender. Includes the relationship between biology and culture in human evolution, archaeological evidence of gender distinctions in prehistory, cross-cultural constructions of masculinity, femininity, and sexuality, variations in the sexual division of labor and economic stratification, gender differences in ritual and religion, and the impact of gender issues in contemporary global culture change.
Clock Hours: 45 (LEC)

ANT-275 - SPECIAL TOPICS 1.0-5.0 CR

Provides opportunity for off-campus field experience or study of a special topic in anthropology. Field study may occur at archaeological sites, museums, host educational institutions, within ethnographic situations, or other anthropologically appropriate places. Study of a special topic may include that derived from physical

anthropology, cultural anthropology, archaeology, or other anthropological discipline.

*** ANT-280 - SOUTHWEST FIELD EXPLORATION** 2.0 CR

PREREQUISITE: College-Level Reading
Introduces the social, religious, economic, and cultural development of the Anasazi. Major ruins, excavation sites, and laboratory facilities in the Four Corners region are explored.
Prev. Course Codes: (ANT-280AB) (ANT-270AB) Clock Hours: 22.5 (LECLB) 30 (LAB)

Architecture ARC

ARC-121 - BUILDING STRUCTURE ANALYSIS 3.0 CR

Provides an analysis of structural components for buildings. Study of vertical and horizontal loadings; shear and moment diagrams; wood, laminated wood, and steel beams; wood and steel columns. Students will be able to solve simple structural engineering problems.
Clock Hours: 45 (LEC)

ARC-125 - HISTORY OF ARCHITECTURE 3.0 CR

Covers major periods of architectural development. Social and cultural values influencing architecture will be highlighted as well as the interaction of art, engineering, and architecture as forms of expression.
Clock Hours: 45 (LEC)

Apprentice-Related Experience ARE

ARE-110 - CARPENTRY I 4.0 CR

Teaches the carpentry trade, basic safety, construction math, hand and power tools, wood building materials, and basic rigging.
Clock Hours: 90 (LECLB)

ARE-113 - MASONRY I 4.0 CR

Introduces students to the masonry trade. Covers the history of the trade, safety, tools and equipment, masonry math, mortar joints and applications, and brick materials layout. The ability to lift 80 pounds and climb a 25-foot ladder is required.
Clock Hours: 90 (LECLB)

ARE-115 - SHEET METAL I 4.0 CR

Introduces safety, shop/trade mathematics, the principles of layout, the elements of blueprint reading and fabrication. This course also covers the various tools, fasteners, metals, and sheet metal processes.
Clock Hours: 90 (LECLB)

ARE-123 - MASONRY II 4.0 CR

PREREQUISITE: ARE-113; Min. grade C-
Introduces students to the masonry trade. Covers the history of the trade, safety, tools and equipment, masonry math, mortar joints and applications, and brick materials layout. The ability to lift 80 pounds and climb a 25-foot ladder is required.
Clock Hours: 90 (LECLB)

ARE-125 - SHEET METAL II 4.0 CR

PREREQUISITE: ARE-115; Min. grade C-
Introduces safety, shop/trade mathematics, the principles of layout, the elements of blueprint reading, and fabrication. This course also covers the various tools, fasteners, metals, and sheet metal processes.
Clock Hours: 90 (LECLB)

ARE-133 - MASONRY III 4.0 CR

PREREQUISITE: ARE-123; Min. grade C-
Covers materials handling and storage; advanced laying techniques; control joints, corners and poles; flashing and lintels; elevated masonry; commercial and residential drawings; all-weather masonry; wall insulations; openings; columns; sample panels; and prisms. Evaluation ends the second year of masonry.
Clock Hours: 90 (LECLB)

ARE-143 - MASONRY IV 4.0 CR

PREREQUISITE: ARE-133; Min. grade C-
Covers materials handling and storage; advanced laying techniques; control joints, corners and poles; flashing and lintels; elevated masonry; commercial and residential drawings; all-weather masonry; wall insulations; openings; columns; sample panels; and prisms. Evaluation ends the second year of masonry.
Clock Hours: 90 (LECLB)

ARE-280 - INTERNSHIP .5-6.0 CR

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Visual Arts ART

ART-110 - ART APPRECIATION 3.0 CR

PREREQUISITE: College-Level Reading
Introduces the cultural significance of the visual arts, including media, processes, techniques, tradition, and terminology.
Clock Hours: 45 (LEC)

ART-111 - ART HISTORY ANCIENT TO MEDIEVAL 3.0 CR

PREREQUISITE: College-Level Reading
Provides the knowledge base to understand the visual arts, especially as related to Western culture. Surveys the visual arts from the Ancient through the Medieval periods.
Prev. Course Codes: (ART-151) Clock Hours: 45 (LEC)

ART-112 - ART HISTORY RENAISSANCE TO MODERN (1900) 3.0 CR

PREREQUISITE: College-Level Reading
Provides the knowledge base to understand the visual arts, especially as related to Western culture. Surveys the visual arts from the Renaissance to 1900.
Prev. Course Codes: (ART-152) Clock Hours: 45 (LEC)

*** ART-114 - ART SAMPLER** 1.0 CR

Introduces students to basic skills through various art media. This course may be repeated under a different subtitle for a maximum of six credit hours. Encompasses a multitude of one-credit art experiences that expose students to an art form that they may wish to explore further.
Clock Hours: 22.5 (LECLB)

*** ART-115 - STAINED GLASS I** 3.0 CR

Develops a basic understanding and approach to stained glass. Students gain an understanding of and appreciation for the properties of glass and the nature of finished stained glass construction.
Prev. Course Codes: (ART-115) (ARC-070) (ARC-131) (ART-270SB) Clock Hours: 67.5 (LECLB)

- * **ART-116 - STAINED GLASS II** 3.0 CR
PREREQUISITE: ART-115(2024I); Min. grade C-
 A continuation of Stained Glass I, students advance to a clearer but still basic understanding and approach to stained glass. Students gain a greater understanding of and appreciation for the properties of glass and the nature of finished stained glass construction.
Clock Hours: 67.5 (LECLB)
- * **ART-117 - FIBER DESIGN I FIBER DESIGN I** 3.0 CR
 Introduces basic fiber design. Explores basic studies and approaches to fiber design, ranging from the uses of dyes, prints, painting, and threads to an appreciation of the properties of various kinds of fiber and textiles.
Clock Hours: 67.5 (LECLB)
- * **ART-121 - DRAWING I** 3.0 CR
PREREQUISITE: College-Level Reading
 Investigates the various approaches and media that students need to develop drawing skills and visual perception.
Prev. Course Codes: (ART-161) Clock Hours: 67.5 (LECLB)
- * **ART-124 - WATERCOLOR I** 3.0 CR
 Provides an introduction to the basic techniques and unique aspects of materials involved in the use of either transparent or opaque water media or both. Color theory is included.
Clock Hours: 67.5 (LECLB)
- * **ART-128 - FIGURE DRAWING I** 3.0 CR
 Introduces the basic techniques of drawing the human figure.
Prev. Course Codes: (ART-270) (ART-124) (ART-163) Clock Hours: 67.5 (LECLB)
- * **ART-129 - PRINTMAKING I** 3.0 CR
 Introduces the basic techniques and skills of printmaking as a fine art media. Instruction includes an understanding of visual concepts as they relate to prints. May include introduction to relief, intaglio, lithography and screen printing techniques.
Clock Hours: 67.5 (LECLB)
- * **ART-131 - VISUAL CONCEPTS 2-D DESIGN** 3.0 CR
PREREQUISITE: College-Level Reading
 Examines the basic elements of design, visual perception, and artistic form and composition as they relate to two-dimensional media.
Clock Hours: 67.5 (LECLB)
- * **ART-132 - VISUAL CONCEPTS 3-D DESIGN** 3.0 CR
 Focuses on learning to apply the elements and principles of design to three dimensional problems.
Prev. Course Codes: (ART-178) Clock Hours: 67.5 (LECLB)
- * **ART-133 - JEWELRY AND METAL WORK I** 3.0 CR
 Introduces the construction of jewelry designs in metals and small casting techniques.
Clock Hours: 67.5 (LECLB)
- * **ART-138 - FILM PHOTOGRAPHY I** 3.0 CR
 Introduces black and white photography as a fine art medium and develops skills necessary for basic camera and lab operations.
Prev. Course Codes: (ART-151) (PHA-111) (PHA-021) (PHA-121) (PHO-101) Clock Hours: 30 (LEC) 30 (LAB)
- * **ART-139 - DIGITAL PHOTOGRAPHY I** 3.0 CR
PREREQUISITE: College-Level Reading
 Introduces the basic concepts of digital imaging as applied to photography. Using applicable technology and hands-on experience, modern developments are presented leading to the present applications of digital imaging which combine traditional photographic ideas with electronic media. Enables the student to learn how to operate image manipulation software using a variety of scanning equipment, software tools, and output devices by executing new assignments and applying these technologies to their photographic process.
Prev. Course Codes: (PHO-205) Clock Hours: 67.5 (LECLB)
- * **ART-140 - COLOR PHOTOGRAPHY I** 3.0 CR
 Covers the fundamentals of color photography such as color theory and light, production, processing and printing color negatives.
Prev. Course Codes: (PHO-103) Clock Hours: 30 (LEC) 30 (LAB)
- * **ART-151 - PAINTING I** 3.0 CR
 Explores basic techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting to depict form and space on a two dimensional surface.
Prev. Course Codes: (ART-126) (ART-171) Clock Hours: 67.5 (LECLB)
- * **ART-152 - LANDSCAPE PAINTING** 3.0 CR
 Focuses on specific landscape concerns in the painting media of your choice.
Clock Hours: 67.5 (LECLB)
- ART-153 - PASTEL PAINTING** 3.0 CR
 Approaches the pastel medium in an inventive manner and introduces students to soft pastels and their many approaches to painting with them. Color theory will be taught in practice and application.
Clock Hours: 67.5 (LECLB)
- * **ART-154 - FIGURE PAINTING I** 3.0 CR
 Focuses on painting the human figure, and includes a brief survey of figure painting, and instruction in the fundamental methods of composition and expressions.
Prev. Course Codes: (ART-273) (ART-034) (ART-270FP) (ART-270SJ) Clock Hours: 67.5 (LECLB)
- * **ART-161 - CERAMICS I** 3.0 CR
 Introduces traditional and contemporary ceramic forms and processes including handbuilding and throwing on the potter's wheel.
Prev. Course Codes: (ART-141) (ART-191) Clock Hours: 67.5 (LECLB)
- * **ART-162 - HANDBUILT CLAY I** 3.0 CR
 Provides instruction in several methods of handbuilding and the study of functional and decorative design elements.
Clock Hours: 67.5 (LECLB)
- * **ART-163 - HANDBUILT CLAY II** 3.0 CR
PREREQUISITE: ART-162; Min. grade C-
 Provides continued instruction in various methods of handbuilding.
Clock Hours: 67.5 (LECLB)
- * **ART-165 - SCULPTURE I** 3.0 CR
 Introduces the fundamentals of sculpture such as modeling, casting, carving, and the processes of assemblage.
Prev. Course Codes: (ART-224) (ART-070) (ARC-270SS) Clock Hours: 67.5 (LECLB)
- * **ART-166 - RAKU** 3.0 CR
 Studies the Japanese art of Raku pottery. Students may hand build or make wheel thrown pots and will be involved in the unique firing process.
Clock Hours: 22.5 (LECLB)
- ART-175 - SPECIAL TOPICS** 1.0-6.0 CR
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
- ART-178 - ART SEMINAR/WORKSHOP** 1.0-3.0 CR
 Provides students with an experiential learning experience. Provides condensed, intensive instruction from nationally and internationally recognized professional artists in fine arts. Explores advanced studies, including techniques and concepts, as they relate to one or more of the following: ceramics, painting, drawing, photography, film-making, sculpture, or other media. May be repeated for up to six credits.
- * **ART-181 - OIL PAINTING** 1.0 CR
 This course will cover fundamental techniques of oil painting. Skill building in color matching from life will be emphasized.
Prev. Course Codes: (ART-032A) (ART-270OP) Clock Hours: 22.5 (LECLB)
- ART-207 - ART HISTORY - 1900 TO PRESENT** 3.0 CR
PREREQUISITE: College-Level Reading
 Provides students with the knowledge base to understand the visual arts as related to Modern and Contemporary visual art. Surveys world art of the twentieth century, including Modernism to Post-Modernism.
Clock Hours: 45 (LEC)
- * **ART-208 - CULTURE STUDIES** 3.0 CR
 Studies the arts and history of a particular culture at the location of that culture. Students view the arts and architecture of the culture in the historical and spatial contexts for which they were designed and in galleries and museums.
Clock Hours: 45 (LEC)
- * **ART-209 - STUDIO ART** 3.0 CR
 Designed for advanced students interested in further exploring an art discipline to develop a more comprehensive portfolio.
Clock Hours: 67.5 (LECLB)
- * **ART-210 - MARKETING FOR VISUAL ARTS** 3.0 CR
 Provides students with the framework, tools, and professional materials necessary for the practicing visual artist. Guidelines for writing proposals, artist's statements, and resumes are discussed and practiced. Explores theoretical and practical considerations related to portfolio presentation and exhibiting artwork through hands-on activities, readings, and discussion.
Clock Hours: 45 (LEC)
- * **ART-211 - BUSINESS OF VISUAL ART** 3.0 CR
PREREQUISITE: College-Level Reading
 Introduces students to the principles and practices involved in creating and operating arts organizations in the profit and not-for-profit art world.
Clock Hours: 45 (LEC)
- * **ART-217 - FIBER DESIGN II** 3.0 CR
PREREQUISITE: ART-117; Min. grade C-
 Continues instruction in fiber design (ART-117, Fiber Design I).
Clock Hours: 67.5 (LECLB)
- * **ART-221 - DRAWING II** 3.0 CR
PREREQUISITE: ART-121; Min. grade C-
 Explores expressive drawing techniques with an emphasis on formal composition, color media, and content or thematic development.
Clock Hours: 67.5 (LECLB)

- * **ART-222 - DRAWING III** 3.0 CR
PREREQUISITE: ART-121 or ART-221; Min. grade C-
 Offers a continued study of expressive drawing techniques and development of individual style, with an emphasis on composition and technique variation.
Clock Hours: 67.5 (LECLB)
- * **ART-224 - WATERCOLOR II** 3.0 CR
PREREQUISITE: ART-124; Min. grade C-
 Continues the study of watercolor techniques, emphasizing original compositions and experimentation with materials. Color theory is included.
Prev. Course Codes: (ART-232) (ART-227) (ART-272) Clock Hours: 67.5 (LECLB)
- * **ART-228 - ADVANCED FIGURE DRAWING** 3.0 CR
PREREQUISITE: ART-128; Min. grade C-
 Provides continuing study of the various methods of drawing the human figure, with emphasis on the description of form and individual style.
Prev. Course Codes: (ART-271) (ART-125) (ART-164) Clock Hours: 67.5 (LECLB)
- * **ART-229 - PRINTMAKING II** 3.0 CR
PREREQUISITE: ART-129; Min. grade C-
 Introduces more advanced techniques and skills of printmaking as a fine art media. Instruction includes an understanding of visual concepts as they relate to prints. May include introduction to relief, intaglio, lithography, and screen printing techniques.
Clock Hours: 67.5 (LECLB)
- * **ART-242 - ALTERNATIVE PROCESSES** 3.0 CR
 Explores several non-silver photographic processes including the Platinotype, Cyanotype, and Van Dyke Brown printing techniques. Production of enlarged negatives from 35 mm negatives and transparencies as required for contact printing for these processes.
Clock Hours: 45 (LEC)
- * **ART-251 - PAINTING II** 3.0 CR
 This course further explores techniques, materials and concepts used in opaque painting processes in oil or acrylic painting, with emphasis on composition and content development.
Clock Hours: 67.5 (LECLB)
- * **ART-252 - PAINTING III** 3.0 CR
PREREQUISITE: ART-251; Min. grade C-
 Provides continued exploration of techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting, with emphasis on composition and content development.
Clock Hours: 67.5 (LECLB)
- * **ART-261 - CERAMICS II** 3.0 CR
PREREQUISITE: ART-161; Min. grade C-
 A continuation of ART-161, this course emphasizes skill, technique, and form.
Prev. Course Codes: (ART-142) (ART-192) Clock Hours: 67.5 (LECLB)
- * **ART-262 - CERAMICS III** 3.0 CR
PREREQUISITE: ART-261; Min. grade C-
 Encourages students to develop an individual style of wheel-thrown and hand-built ceramic forms with continuing involvement in surface treatment.
Prev. Course Codes: (ART-262) (ART-261) (ART-143) (ART-193) Clock Hours: 67.5 (LECLB)
- * **ART-263 - CERAMICS IV** 3.0 CR
PREREQUISITE: ART-262; Min. grade C-
 Continues advanced work with emphasis on various clay bodies, unique glazes and engobes, and combin-

ing different textures and shapes, and development of personal form.
Clock Hours: 22.5 (LEC) 45 (LAB)

- * **ART-265 - SCULPTURE II** 3.0 CR
PREREQUISITE: ART-165; Min. grade C-
 Develops an understanding and focus on manipulation of three dimensional form, with greater concentration on individual creativity and style.
Clock Hours: 67.5 (LECLB)

ART-275 - SPECIAL TOPICS 1.0-6.0 CR
 Provides student with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (ART-043) (ART-270HF)

- * **ART-280 - INTERNSHIP** 1.0-6.0 CR
 Provides the opportunity for students to gain supervised occupational experience in any of the disciplines involving the visual arts, including, but not limited to, gallery or museum administration and graphic design. Instruction is coordinated by the on-site supervisor and instructor and is totally based on the student's occupational experience plan.

* **ART-286 - INDEPENDENT STUDY** 1.0-6.0 CR
 Provides the opportunity for students to undertake special project(s) or research in any of the disciplines involving the visual arts, including, but not limited to, gallery or museum administration, art history, graphic design, or other studio work. Instruction is provided by the instructor, and is based on the student's independent study agreement.

* **ART-287 - INTERNSHIP** 1.0-6.0 CR
 Provides the opportunity for students to gain supervised occupational experience in any of the disciplines involving the visual arts, including, but not limited to, gallery or museum administration and graphic design. Instruction is totally based on the student's occupational experience plan.

Auto Service Technology ASE

ASE-101 - AUTO SHOP ORIENTATION 2.0 CR
 Provides students with safety instruction in the shop and on the automobile. Emphasis is placed on the proper use and care of test equipment, precision measuring and machining equipment, gaskets, adhesives, tubing, wiring, jacks, presses, and cleaning equipment and techniques.
Clock Hours: 15 (LEC) 30 (LAB)

ASE-102 - INTRODUCTION TO AUTOMOTIVE SHOP 2.0 CR
 Prepares the incoming automotive student to work in the shop safely and gain familiarity with the shop and common equipment.
Clock Hours: 45 (LEC)

ASE-110 - BRAKES I 3.0 CR
 Covers basic operation of automotive braking systems. Includes operation, diagnosis, and basic repair of disc brakes, drum brakes, and basic hydraulic systems.
Clock Hours: 67.5 (LECLB)

ASE-120 - BASIC AUTOMOTIVE ELECTRICITY 2.0 CR
 Introduces automotive electricity and includes basic electrical theory, circuit designs, and wiring methods. Focuses on multi-meter usage and wiring diagrams.
Clock Hours: 45 (LECLB)

ASE-123 - BATTERY, STARTING, & CHARGING 2.0 CR
 Covers the operation, testing, and servicing of automotive battery, starting, and charging systems. Includes voltage and amperage testing of starter and generator, load testing and maintenance of a battery, and starter and generator overhaul.
Clock Hours: 45 (LECLB)

ASE-130 - GENERAL ENGINE DIAGNOSIS 2.0 CR
 Focuses on lecture and related laboratory experiences in the diagnosis and necessary corrective actions of automotive engine performance factors.
Clock Hours: 45 (LECLB)

ASE-132 - IGNITION SYSTEM DIAGNOSIS AND REPAIR 2.0 CR
 Focuses on lecture and related laboratory experiences in the diagnosis, service, adjustments, and repair of various automotive ignition systems.
Clock Hours: 45 (LECLB)

ASE-140 - STEERING & SUSPENSION I 3.0 CR
 Focuses on lecture and related experiences in the diagnosis and service of suspensions and steering systems and their components.
Clock Hours: 67.5 (LECLB)

ASE-161 - ENGINE REPAIR & REBUILD 5.0 CR
 Focuses on lecture and laboratory experiences in the disassembly, diagnosis, and reassembly of the automotive engine. Topics include the diagnostic and repair procedures for the engine block and head assemblies.
Clock Hours: 112.5 (LECLB)

ASE-163 - AUTOMOTIVE COMPONENT REMOVAL & INSTALLATION 3.0 CR
 Practical methods of removal and installation of engines, transmissions, transfer cases, clutch assemblies, bolt, and thread repair.
Clock Hours: 67.5 (LECLB)

ASE-175 - SPECIAL TOPICS 1.0-6.0 CR
 Exploration of current topics, issues, and activities related to one or more aspects of the named discipline.

ASE-210 - BRAKES II 3.0 CR
PREREQUISITE: ASE-110; Min. grade C-
 Covers the operation and theory of the modern automotive braking systems. Includes operation, diagnosis, service, and repair of the anti lock braking systems, power assist units, and machine operations of today's automobile.
Clock Hours: 67.5 (LECLB)

ASE-220 - SPECIALIZED ELECTRONICS TRAINING 2.0 CR
 Provides a systematic approach to automotive electrical systems. Builds from the basic electrical principles and concepts through semiconductors and microprocessors. Features on-bench exercises. Students practice diagnostic procedures that have applications to present and future automotive electronics and electrical systems.
Clock Hours: 45 (LECLB)

ASE-221 - AUTOMOTIVE/DIESEL BODY ELECTRICAL 4.0 CR
 Provides a comprehensive study of the theory, operation, diagnosis, and repair of vehicle accessories.
Clock Hours: 90 (LECLB)

ASE-231 - AUTOMOTIVE/DIESEL COMPUTERS 2.0 CR
 Focuses on lecture and laboratory experiences in the inspection and testing of typical computerized engine control systems.
Clock Hours: 45 (LECLB)

ASE-233 - FUEL INJECTION & EXHAUST SYSTEMS 4.0 CR
 Focuses on lecture and related laboratory experiences in the diagnosis and repair of electronic fuel injection systems and modern exhaust systems.
Clock Hours: 90 (LECLB)

ASE-240 - SUSPENSION & STEERING II 3.0 CR
PREREQUISITE: ASE-140; Min. grade C-
 Emphasizes lecture and related experiences in the diagnosis and service of electronic suspensions and steering systems and their components.
Clock Hours: 67.5 (LECLB)

ASE-265 - HEATING & AIR CONDITIONING 5.0 CR
 Emphasizes lecture and related laboratory experiences in the diagnosis and service of automotive heating and air conditioning systems and their components.
Clock Hours: 112.5 (LECLB)

ASE-275 - SPECIAL TOPICS 1.0-6.0 CR
 Exploration of current topics, issues, and activities related to one or more aspects of the named discipline.
Clock Hours: 22.5 (LECLB)

American Sign Language ASL

* **ASL-101 - BASIC SIGN LANGUAGE I** 3.0 CR
PREREQUISITE: College-Level Reading
 Provides students with the basic knowledge of communicating with the deaf community. Students will develop basic vocabulary and conversational skills and will be introduced to aspects of the deaf culture and community.
Clock Hours: 45 (LEC)

* **ASL-102 - BASIC SIGN LANGUAGE II** 3.0 CR
PREREQUISITE: ASL-101; Min. grade C-
 Continues the sequence for students who want to learn basic conversational patterns to communicate with the deaf community. The material covers basic vocabulary and conversational skills, and aspects of the deaf culture and community.
Clock Hours: 45 (LEC)

* **ASL-121 - AMERICAN SIGN LANGUAGE I** 5.0 CR
PREREQUISITE: College-Level Reading
 Exposes the student to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method.
Prev. Course Codes: (ELD-111) (ELD-161) Clock Hours: 75 (LEC)

* **ASL-122 - AMERICAN SIGN LANGUAGE II** 5.0 CR
PREREQUISITE: ASL-121; Min. grade C-
 Develops a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary and basic conversational skills. Incorporates vital aspects of deaf culture and community. Direct experience method is used to enhance the learning process.
Prev. Course Codes: (ELD-122) (ELD-162) Clock Hours: 75 (LEC)

ASL-275 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Astronomy AST

🏠 **AST-101 - ASTRONOMY I** 4.0 CR
PREREQUISITE: College-Level Reading
 Focuses on the history of astronomy, the tools of the astronomer, and the contents of the solar system, including the planets, moons, asteroids, comets, and meteoroids. Incorporates laboratory experience.
Clock Hours: 45 (LEC) 30 (LAB)

🏠 **AST-102 - ASTRONOMY II** 4.0 CR
PREREQUISITE: AST-101; Min. grade C-
 Emphasizes the structure and life cycle of the stars, the sun, galaxies, and the universe as a whole, including cosmology and relativity. Incorporates laboratory experience.
Clock Hours: 45 (LEC) 30 (LAB)

* **AST-108 - COLORADO NIGHT SKY I** 1.0 CR
 Develops an appreciation of and competence in observational astronomy with the naked eye or binoculars, including knowledge of the seasonal circumpolar constellations and of the location of interesting objects in those constellations. Emphasis is on deep sky observing, including various types of stars, nebula, clusters, and galaxies. Basic tools of the astronomer are also covered. The focus is on observation rather than theory.
Clock Hours: 22.5 (LECLB)

* **AST-109 - COLORADO NIGHT SKY II** 1.0 CR
 Develops an appreciation of and competence in observational astronomy with the naked eye or small telescope, including knowledge of the seasonal and circumpolar constellations. Emphasis is on observing solar system objects, including planets and moons, comets and asteroids, meteor showers, and the sun. Basic tools of telescope astronomy are also covered. The emphasis is observation rather than theory.
Clock Hours: 22.5 (LECLB)

* **AST-110 - COLORADO NIGHT SKY III** 1.0 CR
 Develops an appreciation of and competence in observational astronomy with the naked eye or small telescope. Introduces the use of images from major telescopes and spacecraft as a tool for experiencing the night sky. Special emphasis will be placed on the World Wide Telescope and what it has to offer. Rare observations such as supernovae, comets, and solar activity will also be covered. Advanced tools of telescope astronomy and astrophotography may also be discussed. Emphasis is on observation rather than theory.
Clock Hours: 22.5 (LECLB)

Aviation Technology AVT

AVT-101 - PRIVATE PILOT GROUND SCHOOL 4.0 CR
 Prepares student for the Private Pilot Airplane, Single Engine, Land FAA Knowledge Exam.
Prev. Course Codes: (AVN-110) (AVN-011) (AVN-111) Clock Hours: 60 (LEC)

Biology BIO

🏠 **BIO-105 - SCIENCE OF BIOLOGY** 4.0 CR
PREREQUISITE: College-Level Reading
 Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Explores biology as a science, a process of gaining new knowledge, and the impact of biological science on society. Includes laboratory experience. Designed for non-science majors.
Clock Hours: 45 (LEC) 30 (LAB)

BIO-106 - BASIC ANATOMY & PHYSIOLOGY 4.0 CR
PREREQUISITE: College-Level Reading
 Focuses on basic knowledge of body structures and function, and provides a foundation for understanding deviations from normal and disease conditions. This course is designed for individuals interested in

health care and is directly applicable to the Medical Assistant program.
Clock Hours: 45 (LEC) 30 (LAB)

🏠 **BIO-111 - GENERAL COLLEGE BIOLOGY WITH LAB** 5.0 CR
PREREQUISITE: College-Level Reading
 Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. Includes cell structure and function, and the metabolic processes of respiration and photosynthesis, as well as cell reproduction and basic concepts of heredity. The course includes laboratory experience.
Clock Hours: 60 (LEC) 30 (LAB)

🏠 **BIO-112 - GENERAL COLLEGE BIOLOGY II WITH LABS** 5.0 CR
PREREQUISITE: BIO-111; Min. grade C-
 A continuation of Biology I. Includes ecology, evolution, classification, structure, and function in plants and animals. This course includes laboratory experience.
Prev. Course Codes: (BIO-152) (BIO-152L) Clock Hours: 60 (LEC) 30 (LAB)

* **BIO-115 - HUMAN GENETICS** 3.0 CR
PREREQUISITE: College-Level Reading
 Focuses on a study of the inheritance of human traits. It is a non-mathematical study for the non-science major. Includes Mendelian, non-Mendelian, sex-linked, blood type traits, inherited diseases, and ethics.
Clock Hours: 45 (LEC)

* **BIO-120 - INTRODUCTION TO NATURAL HISTORY** 3.0 CR
PREREQUISITE: College-Level Reading
 The natural forces of change and environmental evolution will be studied in relation to current global and local ecology. Geology, weather, soil, ecological principles, life histories, and identification of representative flora and fauna are included.
Clock Hours: 67.5 (LECLB)

* **BIO-144 - NATURAL HISTORY OF THE DESERT** 2.0 CR
PREREQUISITE: College-Level Reading
 Examines the natural history of the deserts of North America. Students will survey local organisms including: mammals, birds, reptiles, shrubs, flowers, and succulent plants.
Prev. Course Codes: (BIO-270NH) Clock Hours: 45 (LECLB)

* **BIO-148 - BASIC ECOLOGY** 4.0 CR
PREREQUISITE: College-Level Reading
 Studies the interrelationships between organisms and their environment. Includes population dynamics and the diversity of ecosystems. Laboratory includes field experience.
Clock Hours: 45 (LEC) 30 (LAB)

BIO-156 - AQUATIC ENTOMOLOGY 3.0 CR
PREREQUISITE: College-Level Reading
 This course focuses on the classification and identification of a variety of aquatic insects. Students will be introduced to the insect life cycle and environmental habitat of selected major family groups. Other aquatic organisms that are important food sources for trout such as crustaceans, macroinvertebrates, and arachnids will be covered.
Clock Hours: 67.5 (LECLB)

BIO-175 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: College-Level Reading
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

BIO-201 - HUMAN ANATOMY AND PHYSIOLOGY I 4.0 CR
PREREQUISITE: BIO-111; *Min. grade C-*

Focuses on an integrated study of the human body, including the histology, anatomy, and physiology of each system. Examines molecular, cellular, and tissue levels of organization plus integuments, skeletal, articulations, muscular, nervous, and endocrine systems. Includes a mandatory hands-on laboratory experience covering experimentation, microscopy, observations, and dissection. This is the first semester of a two-semester sequence.

Prev. Course Codes: (BIO-211) (BIO-255) Clock Hours: 45 (LEC) 30 (LAB)

BIO-202 - HUMAN ANATOMY & PHYSIOLOGY II 4.0 CR
PREREQUISITE: BIO-201; *Min. grade C-*

Focuses on the integrated study of the human body and the histology, anatomy, and physiology of the following systems and topics: cardiovascular, hematology, lymphatic and immune, urinary, fluid and electrolyte control, digestive, nutrition, respiratory, reproductive, and development. Includes a mandatory hands-on laboratory experience involving experimentation, microscopy, observations, and dissection. This is the second semester of a two-semester sequence.

Prev. Course Codes: (BIO-212) (BIO-256) Clock Hours: 45 (LEC) 30 (LAB)

BIO-204 - MICROBIOLOGY 4.0 CR
PREREQUISITE: BIO-111) or BIO-230; *Min. grade C-*

Examines microorganisms with an emphasis on their structure, development, physiology, classification, and identification. The laboratory experience includes culturing, identifying, and controlling microorganisms with an emphasis on their role in infectious disease.

Prev. Course Codes: (BIO-205) (BIO-281) (BIO-281L) Clock Hours: 45 (LEC) 30 (LAB)

BIO-216 - HUMAN PATHOPHYSIOLOGY 4.0 CR
PREREQUISITE: BIO-202; *Min. grade C-*

Focuses on the alterations in physiological, cellular, and biochemical processes, the associated homeostatic responses, and the manifestations of disease. Prior knowledge of cellular biology, anatomy, and physiology is essential for the study of pathophysiology.

Prev. Course Codes: (BIO-230) (BIO-274) Clock Hours: 60 (LEC)

BIO-221 - BOTANY 5.0 CR
PREREQUISITE: BIO-112 *Min. grade C-*

This course is designed for biology majors. It is a study of non-vascular and vascular plants. It emphasizes photosynthetic pathways, form and function, reproduction, physiology, genetics, diversity, evolution, and ecology. This course requires mandatory hands-on laboratory and field experience.

Clock Hours: 60 (LEC) 30 (LAB)

BIO-222 - GENERAL COLLEGE ECOLOGY 4.0 CR
PREREQUISITE: BIO-111; *Min. grade C-*

Studies the interrelationships between organisms and their environment. Covers composition and function of aquatic and terrestrial ecosystems, population biology, pollution, and the effects of man on ecosystems. Includes laboratory and field experiences.

Prev. Course Codes: (BIO-227) Clock Hours: 45 (LEC) 30 (LAB)

BIO-223 - BIODIVERSITY & CONSERVATION 4.0 CR

This course provides a positive "solutions-based" interdisciplinary approach to biodiversity and conservation. Areas of focus are selected from topics

including history of life, evolution of biodiversity, patterns of distribution and abundance. More topics: primary ecosystems, cultural survival, conservation philosophy, innovations in nature, medical botany, sustainable agriculture, biomimicry, keystone species, hotspots, ecological triage, sustainable tourism, emergent intelligence education, biological consequences of world views, natural ecosystem management, theory of island biogeography, nature reserve design, new technologies, careers in conservation and restoration of our world's ecosystems. Requires instructor approval.
Clock Hours: 45 (LEC) 30 (LAB)

BIO-230 - ANIMAL ANATOMY & PHYSIOLOGY I WITH LAB 4.0 CR
PREREQUISITE: *College-Level Reading*

By studying the body's structure as a series of inter-related systems, the student will develop a basic knowledge of anatomy and physiology. Topics include the cell; tissues; integumental, muscular, and skeletal systems. Through laboratory dissection the student will reinforce the knowledge of the lecture portion of the course. This is a lecture course with a hands-on laboratory. Emphasis will be placed on animal anatomy and physiology.

Prev. Course Codes: (BIO-211) (BIO-214) (VET-011A) (AHT-111A) (AHT-111) Clock Hours: 45 (LEC) 30 (LAB)

BIO-232 - ANIMAL ANATOMY & PHYSIOLOGY II WITH LAB 4.0 CR
PREREQUISITE: BIO-230(139); *Min. grade C-*

This course continues the study of anatomy and physiology presented in BIO-230. Topics include digestive, reproductive, respiratory, cardiovascular, renal, endocrine, and nervous systems. Through laboratory dissection the student will reinforce the knowledge of anatomy learned in the lecture portion of the course. Emphasis will be placed on animal anatomy and physiology.

Prev. Course Codes: (BIO-214) (BIO-215) (VET-012A) (AHT-112A) (AHT-112) Clock Hours: 45 (LEC) 30 (LAB)

BIO-275 - SPECIAL TOPICS 1.0-6.0 CR

PREREQUISITE: BIO-111; *Min. grade C-*
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Business Technology BTE

BTE-100 - COMPUTER KEYBOARDING 1.0 CR

Designed for students who have minimal or no keyboarding skills. Introduces the touch method of keyboarding, as well as the basic operation and functions of the equipment. Emphasizes learning the alphanumeric keyboard, proper technique, and speed control.

Prev. Course Codes: (CIS-103) (CIS-105) (CIS-010) (CSC-010) (CSC-110) (CSC-247KS) Clock Hours: 22.5 (LEC)

Business BUS

BUS-102 - ENTREPRENEURIAL OPERATIONS 3.0 CR

PREREQUISITE: *College-Level Reading*
 Covers the major aspects of small business management to enable the entrepreneur to successfully begin his own business. This course provides the basic con-

cepts of marketing, principles of management, and finance needed to manage a small business. Further, it develops the business plan and suggests methods of obtaining the financing required to launch the business.

Clock Hours: 45 (LEC)

BUS-115 - INTRODUCTION TO BUSINESS 3.0 CR

PREREQUISITE: *College-Level Reading*
 Focuses on the operation of the American business system. Covers fundamentals of the economy, careers and opportunities, marketing, management, production, government regulations, tools of business, and social responsibilities.

Prev. Course Codes: (BUS-101) (BUS-151) Clock Hours: 45 (LEC)

BUS-120 - INTRODUCTION TO E-COMMERCE 3.0 CR

PREREQUISITE: *College-Level Reading*
 Provides an introduction to electronic commerce - the business trend of the future. Covers definitions of e-commerce, technology and software requirements, security issues, electronic payment, and marketing strategies. Focuses on what to expect when creating a dot com as well as the business-to-business use of e-commerce.

Clock Hours: 45 (LEC)

BUS-175 - SPECIAL TOPICS .5-6.0 CR

Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

BUS-203 - INTRODUCTION TO INTERNATIONAL BUSINESS 3.0 CR

PREREQUISITE: *College-Level Reading*
 Provides the student with an understanding of the interdisciplinary nature of international business. Course will cover the development of international business; theories and methods of international trade; financing mechanisms and terms used in export documentation and export finance; the effects of economics, political and cultural environment on international business and trade; impact of geography in business transactions; legal aspects of international business; and developing an effective international marketing strategy.

Clock Hours: 45 (LEC)

BUS-204 - INTRODUCTION TO E-BUSINESS 3.0 CR

PREREQUISITE: *College-Level Reading*
 Introduces the use of technology in all aspects of a business. Explores the use of technology for customer relations management, accounting and financial applications, purchasing and production tools, sales and marketing functions, and human resources management. Examines use of the Internet, world-wide-web and sophisticated multi-function software tools. Students gain a heightened awareness of emerging technologies and trends in e-business.

Clock Hours: 45 (LEC)

BUS-216 - LEGAL ENVIRONMENT OF BUSINESS 3.0 CR

PREREQUISITE: *College-Level Reading*
 Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is devoted to economic regulation, social regulation, regulation and laws impacting labor management issues, and environmental concerns. Students develop an understanding of the role of law in social, political, and economic change.

Clock Hours: 45 (LEC)

*** BUS-217 - BUSINESS COMMUNICATION & REPORT WRITING** 3.0 CR

PREREQUISITE: ENG-121; *Min. grade C-*
Emphasizes effective business writing and covers letters, memoranda, reports, application letters, and resumes. Includes the fundamentals of business communication and an introduction to international communication.
Prev. Course Codes: (ENG-123) Clock Hours: 45 (LEC)

BUS-221 - BUSINESS LAW I 3.0 CR

Introduces business law and covers the foundations of the legal system, contract, property, and cyber law.
Clock Hours: 45 (LEC)

*** BUS-226 - BUSINESS STATISTICS** 3.0 CR

PREREQUISITE: MAT-099; *Min. grade C-*
Focuses on statistical study, descriptive statistics, probability, binomial distribution, index numbers, time series, decision theory, confidence intervals, linear regression, and correlation. Intended for the business major.
Clock Hours: 45 (LEC)

BUS-241 - CULTURAL DIVERSITY IN BUSINESS 3.0 CR

PREREQUISITE: *College-Level Reading*
Covers the business person's guide to cultural, travel, and information resource needs in the international arena. Specifics in negotiation, communications (verbal and non-verbal), networking, and understanding what individual countries' needs are as far as business culture.
Clock Hours: 45 (LEC)

BUS-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

BUS-294 - SERVICE LEARNING .5-6.0 CR

Allows the student to provide a service to the community utilizing knowledge and skills acquired from a course in which the student is currently enrolled or has previously taken at the student's respective college.

Computer Assisted Drafting CAD

CAD-101 - COMPUTER AIDED DRAFTING I 3.0 CR

Focuses on basic computer aided drafting skills using the latest release of CAD software. Includes file management, Cartesian coordinate system, drawing set ups, drawing aids, layer usage, drawing geometric shapes, editing objects, array, text applications, basic dimensioning, and Help access.
Prev. Course Codes: (GRD-245) (COA-050) (COA-242) Clock Hours: 67.5 (LECLB)

CAD-103 - AUTOCAD LT 3.0 CR

Focuses on 2D documentation using AutoCAD LT. Student needs a basic understanding of the fundamentals of drafting.
Clock Hours: 67.5 (LECLB)

CAD-119 - INTERMEDIATE CAD I 3.0 CR

Serves all areas of technical graphics. Includes producing two-dimensional working drawings using applications of geometric construction, intersection and development methods, and animation techniques. Databases and file management systems are incorporated into the learning experience to improve and increase production time of technical drawings.
Clock Hours: 67.5 (LECLB)

CAD-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

CAD-224 - REVIT 3.0 CR

Provides students with the software application training in AutoDesk Revit necessary to produce 3D architectural models and 2D drawings utilizing AIA standards.
Clock Hours: 67.5 (LECLB)

CAD-227 - ADVANCED REVIT 3.0 CR

PREREQUISITE: CAD-224; *Min. grade C-*
This course focuses on the advanced applications of the Revit software. Includes family editing, topographic site plans, worksharing, phases, advanced scheduling, custom annotation, and presentation techniques.
Clock Hours: 67.5 (LECLB)

Carpentry CAR

CAR-125 - ROOFING MATERIALS & METHODS 1.0 CR

Covers application techniques and estimation of asphalt and wood roofing products and accessories including gutters and flashing.
Clock Hours: 22.5 (LECLB)

CAR-130 - WINDOWS & EXTERIOR DOORS 1.0 CR

Describes the various types of windows, skylights, and exterior doors and provides instructions for installing them. Includes instructions for installing weatherstripping and locksets.
Clock Hours: 22.5 (LECLB)

CAR-131 - EXTERIOR TRIM 1.0 CR

Teaches cornice and rake construction; corner, window and door trim; installation of soffit, frieze, fascia, and similar trim items; and includes estimation and proper selection.
Clock Hours: 22.5 (LECLB)

CAR-150 - INTERIOR TRIM - GENERAL 1.0 CR

Covers material choices and installation techniques of various interior trim including interior doors, baseboard, and casement. Includes an overview of additional interior trim choices.
Clock Hours: 22.5 (LECLB)

CAR-165 - SHOP CARPENTRY 4.0 CR

Focuses on the non-site, shop carpenter and includes jig and pattern making; stationary power tool maintenance and adjustment; machining of woods; and techniques unique to shops, cabinetmakers, and millworkers.
Clock Hours: 90 (LECLB)

CCAR-170 - CLINICAL: CONSTRUCTION LAB I 4.0 CR

Continues to build upon the principles that are expected to be understood by students in the construction discipline.
Clock Hours: 120 (LAB)

CAR-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Chemistry CHE

CHE-101 - INTRODUCTION TO CHEMISTRY I 5.0 CR

PREREQUISITE: *Placement test or MAT-090; Min. grade C-*
Includes the study of measurements, atomic theory, chemical bonding, nomenclature, stoichiometry, solutions, acid and base, gas laws, and condensed states. Laboratory experiments demonstrate the above concepts qualitatively and quantitatively. Designed

for non-science majors, students in occupational and health programs, or students with no chemistry background.

Clock Hours: 60 (LEC) 30 (LAB)

CHE-105 - CHEMISTRY IN CONTEXT 5.0 CR

PREREQUISITE: *College-Level Reading*
Covers the study of measurements, matter, molecules, atoms, chemical bonding, nomenclature, energy, acids, bases, and nutrition. Coursework examines chemistry in the modern world and surveys the current knowledge as well as the conceptual framework of the discipline. Chemistry as a science is explored, as is the impact of chemistry on society. This course includes laboratory experience and is designed for non-science majors.

Clock Hours: 60 (LEC) 30 (LAB)

CHE-111 - GENERAL COLLEGE CHEMISTRY I 5.0 CR

PREREQUISITE: CHE-101 MAT-121; *Min. grade C-*

Focuses on basic chemistry and measurement, matter, chemical formulas, reactions and equations, stoichiometry, and thermochemistry. Covers the development of atomic theory culminating in the use of quantum numbers to determine electron configurations of atoms, and the relationship of electron configuration to chemical bond theory and molecular orbital theory. Includes gases, liquids, and solids. Problem solving skills are emphasized. Incorporates laboratory experiments.

Prev. Course Codes: (CHE-151) (CHE-151L) Clock Hours: 60 (LEC) 30 (LAB)

CHE-112 - GENERAL COLLEGE CHEMISTRY II 5.0 CR

PREREQUISITE: CHE-111; *Min. grade C-*
Presents concepts in the areas of solution properties, chemical kinetics, chemical equilibrium, acid-base and ionic equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and organic chemistry. Emphasizes problem-solving skills and descriptive contents for these topics. Laboratory experiments demonstrate qualitative and quantitative analytical techniques.

Prev. Course Codes: (CHE-152) (CHE-152L) Clock Hours: 60 (LEC) 30 (LAB)

*** CHE-211 - ORGANIC CHEMISTRY I** 5.0 CR

PREREQUISITE: CHE-112; *Min. grade C-*
Focuses on compounds associated with the element carbon. Includes structure and reactions of aliphatic hydrocarbons and selected functional group families. Covers nomenclature of organic compounds, stereochemistry, & reaction mechanisms such as SN1, SN2, E1, and E2. Laboratory experiments demonstrate the above concepts plus the laboratory techniques associated with organic chemistry.

Prev. Course Codes: (CHE-251) Clock Hours: 45 (LEC) 60 (LAB)

*** CHE-212 - ORGANIC CHEMISTRY II** 5.0 CR

PREREQUISITE: CHE-211; *Min. grade C-*
Continues the investigation into the chemistry of carbon-based compounds, their reactions and synthesis. Includes the structure, physical properties, reactivity, and synthesis of organic functional groups not covered in the first semester. Explores functional groups including alcohols, ethers, aromatics, aldehydes, ketones, amines, amides, esters, and carboxylic acids. Includes reactions and reaction mechanisms of aromatic compounds. An introduction to biochemical topics may be included if time permits. Laboratory experiences demonstrate the above concepts and the laboratory techniques associated with organic chemistry.

Clock Hours: 45 (LEC) 60 (LAB)

*** CHE-215 - SOIL AND WATER CHEMISTRY** 3.0 CR
PREREQUISITE: CHE-111; *Min. grade C-*
 Studies the interaction of pollutants, both inorganic and organic, with natural systems and metal tanks. Sampling techniques, lab analysis, and leachate testing of contaminants will be covered, as well as basic principles and nomenclature of organic chemistry.
Prev. Course Codes: (EPT-025) (EPT-217) Clock Hours: 30 (LEC) 30 (LAB)

Chinese CHI

CHI-175 - SPECIAL TOPICS 1.0-6.0 CR
 Provides a vehicle for students to pursue in-depth topics of interest.
Clock Hours: 15 (LEC)

Chicano Studies CHS

CHS-102 - HISTORY OF THE CHICANO IN THE SW:1810 3.0 CR
 This course begins with the Mexican War of Independence (1810) and concludes with an in-depth study of the historical development of the contemporary Chicano World. Topics include complex ethnic, class, gender, generational, and regional relations within this group and within the larger multicultural environment of the 19th and 20th century North America.
Clock Hours: 45 (LEC)

Computer Information Systems CIS

CIS-103 - LEARNING WINDOWS 1.0 CR
 Provides foundational skills in Windows operating system for personal use. This course is designed for the more mature learner and/or those students who wish to advance at a slower pace.
Clock Hours: 15 (LEC)

CIS-105 - LEARNING EMAIL & THE INTERNET 1.0 CR
 Provides foundational skills in email and Internet applications for personal use. This course is designed for the more mature learner and/or the student who wishes to advance at a slower pace.
Clock Hours: 15 (LEC)

CIS-110 - INTRODUCTION TO THE PC 1.0 CR
 Provides the beginning computer user with hands-on experience in the elementary use of the personal computer. This course introduces the basic features of and the terminology associated with personal computers, including topics such as database, spreadsheet, and word processing.
Prev. Course Codes: (CIS-100) (CIS-012) (CSC-012) (CSC-011A-C) (CSC-111A-C) (CSC-121) Clock Hours: 15 (LEC)

CIS-112 - MOBILE COMPUTING WITH LAPTOPS 1.0 CR
 Introduces the student to laptop computers. The course includes the special features of laptop computers that differentiate them from desktop computers. The course allows the student to make use of the ability of a laptop computer to be used at many locations with wireless connections. Students are taught the uses of the special hardware available for laptop computers, and are taught how to install and use various software on them.
Clock Hours: 15 (LEC)

*** CIS-115 - INTRODUCTION TO COMPUTER INFORMATION SYSTEMS** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Focuses on an overview of the needs for, and roles of, computer information systems. Emphasizes computer requirements in organizations, history, hardware functions, programming, systems development, and computer operations. Introduces computer applications.
Clock Hours: 45 (LEC)

*** CIS-118 - INTRODUCTION TO PC APPLICATIONS** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces computer concepts and components, as well as application suite software and the Internet. Includes descriptions of, and hands-on experiences with, word processing, spreadsheets, databases, operating environments, and other common PC application packages.
Prev. Course Codes: (CSC-112) (CSC-151) Clock Hours: 45 (LEC)

CIS-124 - INTRO TO OPERATING SYSTEMS 3.0 CR
PREREQUISITE: CIS-100 CIS-110 or CIS-118; *Min. grade C-*
 Introduces concepts, terminology and hands on skills in the use of DOS and Windows. Emphasizes navigation, file manipulation, file creation and troubleshooting.
Prev. Course Codes: (CIS-110) (CSC-035) Clock Hours: 45 (LEC)

CIS-128 - OPERATING SYSTEM: USING WINDOWS COMPLETE 3.0 CR
 Introduces the functions and capabilities of Microsoft Windows. Includes configuring and modifying the operating system environment.
Prev. Course Codes: (CIS-112) (CIS-136) (CIS-235) Clock Hours: 45 (LEC)

CIS-130 - INTRODUCTION TO INTERNET 1.0 CR
 Enhances the student's knowledge of the Internet and its resources. Individuals learn terminology in dealing with the Internet. Includes privacy and copyright issues with information retrieved from the Internet. Students experience the use of e-commerce, multi-media and e-mail. Explores searching the Internet and credibility of information obtained with searches.
Prev. Course Codes: (CWB-100) Clock Hours: 15 (LEC)

CIS-131 - WORD PROCESSING I 1.0 CR
 Gives the student an introductory working knowledge of word processing. The student will create, edit, format, save, and print documents. The student will use spell check, grammar check, and thesaurus features. The student will format text, paragraphs and pages, change margins, and use the find and replace feature as well as create envelopes and labels.
Prev. Course Codes: (CIS-120) Clock Hours: 15 (LEC)

CIS-132 - WORD PROCESSING II 1.0 CR
PREREQUISITE: CIS-131; *Min. grade C-*
 Increases the student's working knowledge of word processing. In this module, the student will learn to use the merge function. The student will create multiple page reports using headers, footers, footnotes, endnotes, and page numbers. The student will create and format documents using columns and tables.
Clock Hours: 15 (LEC)

CIS-133 - WORD PROCESSING III 1.0 CR
PREREQUISITE: CIS-131 CIS-132; *Min. grade C-*
 Increases the student's working knowledge of word processing. In this module, the student will learn to use borders, drawing, word art, and graphics. The student will create macros, charts, outlines, styles, and fill-in forms. The student will also sort and select records. This course is the third in a series of modules.
Clock Hours: 15 (LEC)

CIS-135 - COMPLETE PC WORD PROCESSING (SOFTWARE PACKAGE) 3.0 CR
 Explores a complete array of word processing skills. The skills needed to create, edit, format and print documents are covered. Other topics include character, paragraph, and page formats, the use of spelling checkers and thesaurus, hyphenation, tables, mail merge, document design, and graphics.
Clock Hours: 45 (LEC)

CIS-140 - MICROSOFT OUTLOOK 1.0 CR
 Introduces the functions used in Microsoft Outlook, including e-mail messages, calendar, contacts, tasks, journals, and notes.
Prev. Course Codes: (CIS-185) Clock Hours: 15 (LEC)

CIS-141 - PC DATABASES I: (SOFTWARE) 1.0 CR
 Introduces the student to the functions of a database using selected software. It includes skills such as file creation, searches, sorts, simple editing and indexes.
Clock Hours: 15 (LEC)

CIS-145 - COMPLETE PC DATABASE 3.0 CR
PREREQUISITE: CIS-110 CIS-118 or CIS-115; *Min. grade C-*
 Explores a complete array of database skills. Includes table, query, form, and report creation and modification. Other topics include application integration and automation of database tasks within the database.
Prev. Course Codes: (CIS-140) (CSC-023) (CSC-023A) (CSC-023D) (CSC-023A) (CSC-123A) Clock Hours: 45 (LEC)

CIS-151 - PC SPEADSHEETS I:(SOFTWARE) 1.0 CR
 Introduces the student to concepts and applications of an electronic spreadsheet. Topics include creating a worksheet, developing a professional looking worksheet, and creating charts.
Clock Hours: 15 (LEC)

CIS-152 - PC SPREADSHEETS II: (SOFTWARE) 1.0 CR
PREREQUISITE: CIS-151; *Min. grade C-*
 Continues the concepts and applications of an electronic spreadsheet learned in the introduction class. Topics include working with lists, integrating appropriate software with other Windows programs, and working with multiple worksheets and workbooks.
Clock Hours: 15 (LEC)

CIS-155 - PC SPREADSHEET CONCEPTS: (SOFTWARE PACKAGE) 3.0 CR
PREREQUISITE: CIS-110 CIS-110) CIS-118 or CIS-115; *Min. grade C-*
 Exposes the student to a wide range of uses of the electronic spreadsheet with special emphasis on using it as a business tool. Includes fundamentals and terms, creating and saving workbooks, entering and using formulas, formatting, printing, multiple page workbooks, creating charts, entering and using functions, managing lists, and simple macros.
Prev. Course Codes: (CIS-150) (CSC-022) (CSC-022A) (CSC-022B) (CSC-022C) (CSC-022D) (CSC-122A) (CSC-122B) (CSC-140AA) Clock Hours: 45 (LEC)

CIS-161 - PRESENTATION GRAPHICS I 1.0 CR

Introduces the development of presentation graphics materials including graphs, charts, illustrations, and diagrams. Emphasizes effective communication. Prior Windows experience or intro-level computer skills required.

Clock Hours: 22.5 (LECLB)

CIS-165 - COMPLETE PRESENTATION GRAPHICS: (SOFTWARE PACKAGE) 3.0 CR

PREREQUISITE: CIS-100 CIS-110 or CIS-118; *Min. grade C-*

Focuses on the development of presentation graphic materials including graphs, charts, illustrations, and diagrams. Emphasizes effective communication through computerized presentations. Covers features of PowerPoint and effective presentation techniques. *Clock Hours: 45 (LEC)*

CIS-167 - DESKTOP PUBLISHING 3.0 CR

PREREQUISITE: CIS-100 CIS-110 or CIS-118; *Min. grade C-*

Introduces the concepts and applications for desktop publishing. Emphasizes page layout and design with techniques for incorporating text and graphics and final production of printed documents.

Prev. Course Codes: (CIS-137) (CIS-135) (CIS-041) (CSC-041) (CSC-044) (CSC-245) Clock Hours: 45 (LEC)

CIS-168 - INTRODUCTION TO VIRTUAL REALITY 3.0 CR

PREREQUISITE: CIS-110 or CIS-118; *Min. grade C-*

Introduces virtual reality. Topics include hardware, software, the evaluation of hardware and software via software demos, CD ROM based media, and the Internet. Students will use available software to create virtual worlds and animation sequences. VR goggles or gloves will not be used, but construction of these devices from off the shelf parts will be covered.

Prev. Course Codes: (CIS-163) Clock Hours: 45 (LEC)

CIS-172 - INTRODUCTION TO DIGITAL VIDEO (SOFTWARE) 1.0 CR

Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos, and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, and burning finished DVDs will be covered. *Clock Hours: 22.5 (LECLB)*

CIS-175 - SPECIAL TOPICS .5-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an "as needed" basis to provide current, up-to-date information.

Prev. Course Codes: (CIS-290A)

CIS-202 - AUTOMATED PROJECT MANAGEMENT: MS PROJECT 3.0 CR

Provides an in-depth exploration of project management techniques that use software to automate the project management processes. The course emphasizes project management strategies, goal setting and communication with team members, management, and vendors. Critical thinking, discussion, and real-world projects will be used to explore the creation of a task list, resource assignment, and leveling. Students will learn to use GANTT charts, milestones, Critical Path Methodology, PERT, project tracking, and reporting. *Clock Hours: 45 (LEC)*

CIS-210 - INTRODUCTION TO ENGINEERING COMPUTING3.0 CR

PREREQUISITE: MAT-201; *Min. grade C-*

Introduces methods used to solve typical engineering problems. Students will learn to use electronic spreadsheets and programming language and apply these skills to engineering projects.

Prev. Course Codes: (CIS-280) Clock Hours: 45 (LEC)

CIS-212 - INSTALLING SOFTWARE 3.0 CR

Introduces the concepts of installing, troubleshooting problems, and customizing various software packages. Students will learn to support software applications for single and/or multiple users in a business environment. Both stand-alone and network installations will be addressed.

Prev. Course Codes: (CIS-286) Clock Hours: 45 (LEC)

CIS-218 - ADVANCED PC APPLICATIONS 3.0 CR

PREREQUISITE: CIS-118; *Min. grade C-*

Covers the advanced capabilities of a PC software applications suite. Emphasizes solving business problems by integrating data from all of the software applications that facilitate the production of useful information. Printed documents, reports, slides, and forms are produced to communicate information.

Clock Hours: 45 (LEC)

CIS-220 - FUNDAMENTALS OF UNIX 3.0 CR

PREREQUISITE: CIS-115 or CIS-118; *Min. grade C-*

Covers the structure and fundamentals of the UNIX operating system. Includes the files system and file processing, various utility programs, and shell, multi-user operation, text processing and communications.

Prev. Course Codes: (CIC-212) Clock Hours: 45 (LEC)

CIS-240 - DATABASE DESIGN AND DEVELOPMENT 3.0 CR

Introduces the basic concepts of relational databases, data storage, and retrieval. Covers database design, data modeling, transaction processing, and introduces the Structured Query Language for databases.

Clock Hours: 45 (LEC)

CIS-267 - MANAGEMENT OF INFORMATION SYSTEMS 3.0 CR

Introduces the concepts and techniques of managing computer-based information resources. Includes hardware, software, personnel, control techniques, and the placement and integration of information systems resources within the organization.

Clock Hours: 45 (LEC)

CIS-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an "as needed" basis to provide current, up-to-date information.

Prev. Course Codes: (CIS-270GS) (CIS-290C)

CIS-287 - COOPERATIVE EDUCATION 1.0-6.0 CR

Provides work experience for students to gain practical work experience related to their educational program.

Prev. Course Codes: (CIS-230B) (CIS-130C)

Computer & Networking Technology CNG

CNG-101 - INTRODUCTION TO NETWORKING 3.0 CR

PREREQUISITE: *College-Level Reading*

Focuses on underlying concepts of data communications, telecommunications, and networking.

Emphasizes the terminology and technologies in current networking environments and provides a general overview of the field of networking as a basis for continued study in the field.

Prev. Course Codes: (CNT-200) Clock Hours: 45 (LEC)

CNG-102 - LOCAL AREA NETWORKS 3.0 CR

Introduces Local Area Networking. Focuses on discussions and demonstrations of planning, installing, and supporting networks.

Clock Hours: 45 (LEC)

CNG-103 - WIDE AREA NETWORKS 3.0 CR

PREREQUISITE: CNG-102; *Min. grade C-*

Provides the student with conceptual and working knowledge of how Local Area Networks communicate over a wide area. Introduces telephony, how the technology of switched voice communication channels of the public switched telephone networks are used for data communication and how voice data communications have become integrated.

Prev. Course Codes: (CNT-202) Clock Hours: 45 (LEC)

CNG-116 - MICROCOMPUTER HARDWARE 3.0 CR

PREREQUISITE: MAT-201; *Min. grade C-*

Introduces computer hardware. Since hardware depends upon specific software to make it work properly, the course also explores relevant software topics. The course covers taking computers apart, diagnosing and fixing minor problems, and upgrading PCs with new components.

Prev. Course Codes: (CIS-281) Clock Hours: 45 (LEC)

CNG-121 - COMPUTER TECHNICIAN I:A+ 4.0 CR

PREREQUISITE: *College-Level Reading*

Provides students with an in-depth look at personal computer hardware, introduces O.S. features and security concepts, and covers interpersonal skills, all of which are necessary for a successful entry-level computer service technician position. Provides extensive hands-on work with computer systems, PC setup and configuration, and basic maintenance and troubleshooting. This course helps prepare you for the CompTIA A+ Essentials Exam.

Clock Hours: 60 (LEC)

CNG-122 - COMPUTER TECHNICIAN II: A+ 4.0 CR

PREREQUISITE: CNG-121; *Min. grade C-*

Teaches students to upgrade, install, configure, maintain, and troubleshoot current and legacy MS Windows operating systems. In addition, students will learn to install, configure, and troubleshoot device drivers. Students will also learn to identify the network capabilities of the operating system and configure the operating system to connect to the network. This course will prepare you for the CompTIA A+ OS Technologies exam.

Clock Hours: 60 (LEC)

CNG-124 - NETWORKING I: NETWORK+ 3.0 CR

PREREQUISITE: *College-Level Reading*

Provides students with the knowledge necessary to understand, identify, and perform necessary tasks involved in supporting a network. Covers the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP. This course also prepares students for the Network II: Network+.

Clock Hours: 45 (LEC)

<p>CNG-125 - NETWORKING II: NETWORK+ 3.0 CR <i>PREREQUISITE: CNG-124; Min. grade C-</i> Continues to provide students with the knowledge necessary to implement and support a network. Focuses on the vendor-independent networking skills and concepts that affect all aspects of networking. The Networking I and II: Network+ courses prepare students for the Network+ certification. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-126 - WEB SERVER MANAGEMENT 3.0 CR <i>PREREQUISITE: CNG-104; Min. grade C-</i> Covers the installation, configuration, and management of internet web servers. Includes the installation of Apache Web Server and Microsoft IIS Web Server software. Also emphasizes default web site configuration, virtual hosts, file and directory security, management of log files and HTTP protocol. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-128 - IT ESSENTIALS II: NETWORK OPERATING SYSTEMS 5.0 CR <i>PREREQUISITE: CNG-122 Min. grade C-</i> Introduces multi-user, multi-tasking network operating systems. Focuses on characteristics of the Linux, Unix, Windows 2000, NT, and XP network operating systems. Explores a variety of topics including installation procedures, security issues, backup procedures and remote access. The course prepares the student for both the CompTIA Server+ certification and the Linux+ certification. <i>Prev. Course Codes: (CIS-262) Clock Hours: 75 (LEC)</i></p> <p>CNG-131 - NETWORK SECURITY FUNDAMENTALS 3.0 CR <i>PREREQUISITE: CNG-101; Min. grade C-</i> Delivers a comprehensive overview of network security including general security concepts. Communication Security is studied, including remote access, e-mail, the Web, directory and file transfer, and wireless data. Common network attacks are introduced. Cryptography basics are incorporated, and operational/organizational security is discussed as it relates to physical security, disaster recovery, and business continuity. Computer forensics is introduced. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-132 - PRINCIPLES OF INFORMATION SECURITY 3.0 CR <i>PREREQUISITE: CNG-101; Min. grade C-</i> Examines the field of information security to prepare information systems students for their future roles as business decision-makers. This course presents a balance of the managerial and the technical aspects of information security. The concepts covered in this course should be helpful for students working toward the Certified Information Systems Security Professional (CISSP) certification. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-133 - NETWORK SECURITY: FIRE WALLS AND INTRUSION DETECTION AND NETWORK SECURITY 3.0 CR <i>PREREQUISITE: CNG-101; Min. grade C-</i> Teaches students the basics of network firewall security. It covers basic installation techniques, discusses how to make an intelligent choice of firewall technology, and presents basic firewall troubleshooting. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-175 - SPECIAL TOPICS 5-6.0 CR Provides students with a vehicle to pursue in-depth exploration of special topics of interest. <i>Clock Hours: 15 (LEC)</i></p> <p>CNG-180 - INTERNSHIP I 1.0-6.0 CR Provides the student with an introduction to personal computer repair in the work place.</p>	<p>CNG-181 - INTERNSHIP II 1.0-6.0 CR Provides the student with an introduction to personal computer repair in the work place.</p> <p>CNG-210 - WINDOWS 2000 NETWORK AND OPERATING ESSENTIALS 3.0 CR Provides individuals new to Microsoft Windows 2000 with the knowledge necessary to understand and identify the tasks involved in supporting Windows 2000 networks. Introduces an overview of networking concepts and how they are implemented in Windows 2000. Provides students with the prerequisite knowledge and skills required for course CNG 212, Implementing Windows 2000 Professional and Server. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-211 - WINDOWS XP CONFIGURATION 3.0 CR Provides students with the knowledge and skills necessary to address the implementation and desktop support needs of customers who are planning to deploy and support Microsoft Windows XP Professional in a variety of network operating system environments. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-212 - MANAGING AN MS WINDOWS SERVER ENVIRONMENT 4.0 CR <i>PREREQUISITE: College-Level Reading</i> Provides students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor performance, and safeguard data in a Microsoft Windows Server environment. <i>Clock Hours: 60 (LEC)</i></p> <p>CNG-224 - MICROSOFT WINDOWS WIRELESS NETWORK 3.0 CR Provides the student with the Microsoft official curriculum from the Microsoft Regional Academy. Offers detailed instruction on the foundation concepts and technologies of wireless data networking. Upon completion of this course, students are prepared to take the Certified Wireless Network Administrator (CWNP) certification exam. <i>Clock Hours: 45 (LEC)</i></p> <p>CNG-260 - CISCO NETWORK ASSOCIATE I 5.0 CR Introduces network fundamentals, the OSI model and industry standards, IP addressing (subnet masks) and basic network design. <i>Prev. Course Codes: (CIS-206) Clock Hours: 75 (LEC)</i></p> <p>CNG-261 - CISCO NETWORK ASSOCIATE II 5.0 CR <i>PREREQUISITE: CNG-260; Min. grade C-</i> Focuses on router theory and technologies, including router configurations, protocols, network management and introductory LAN switching. <i>Prev. Course Codes: (CIS-207) Clock Hours: 75 (LEC)</i></p> <p>CNG-262 - CISCO NETWORK ASSOCIATE III 5.0 CR <i>PREREQUISITE: CNG-261; Min. grade C-</i> Focuses on advanced routing and switching configurations, LAN switching, network management, and advanced network design. <i>Prev. Course Codes: (CIS-208) Clock Hours: 75 (LEC)</i></p> <p>CNG-263 - CISCO NETWORK ASSOCIATE IV 5.0 CR <i>PREREQUISITE: CNG-262; Min. grade C-</i> Focuses on project-based learning, including advanced network design projects and advanced management projects. This course and CNG 260, 261 and 262 prepare students for the Cisco Certified Network Associate (CCNA) certification exam. <i>Prev. Course Codes: (CIS-209) Clock Hours: 75 (LEC)</i></p>	<p>CNG-264 - HOME TECHNOLOGY INTEGRATION 5.0 CR <i>PREREQUISITE: CNG-101; Min. grade C-</i> Introduces the elements of home automation technology in preparation for the HTI+ industry certification examination. There are six broad areas of the home technology environment that HTI systems generally control: Internet and home network connectivity, video and audio, telecommunications, home security, utility management, and appliance automation and control. HTI is evolving toward central control of all these systems. <i>Clock Hours: 75 (LEC)</i></p> <p>CNG-265 - CISCO NETWORK PROFESSIONAL I 5.0 CR Focuses on using Cisco routers connected in LANs and WANs typically found at medium to large network sites. Emphasizes selection and implementation of the appropriate Cisco IOSTM services required to build a scalable, routed network. Includes theories and tasks that network managers and administrators need to use and perform when managing access and controlling overhead traffic in growing, routed networks once connectivity has been established. This course is the first in a series of four semesters pertaining to CCNP Certification. Note: CCNA certification or completion of CCNA courses is required. <i>Clock Hours: 75 (LEC)</i></p> <p>CNG-266 - CISCO NETWORK PROFESSIONAL II 5.0 CR <i>PREREQUISITE: CNG-265; Min. grade C-</i> Focuses on using and configuring Cisco routers remotely connected in WANs found in medium to large network sites. Emphasizes how to select WAN topologies, devices, protocols, and implement the appropriate Cisco IOS services required for remotely accessing network resources. Includes selecting WAN components, configuring asynchronous modems, PPP, Frame Relay and ISDN protocols, NAT, X.25: TACACS+Server, Dial Backup, and Managing Network Performance with Queuing and Compression together with requisite router configurations. This is the second course in a series of four semesters pertaining to CCNP certification. <i>Clock Hours: 75 (LEC)</i></p> <p>CNG-267 - CISCO NETWORK PROFESSIONAL III 5.0 CR <i>PREREQUISITE: CNG-266; Min. grade C-</i> Focuses on using and configuring Cisco routers and switches to connect LANs and WANs found at medium to large network sites. Covers the selection and implementation of the appropriate Cisco IOS services required to build scalable, routed, switched and multi layered switched networks. Includes theories and tasks that network managers and administrators need to perform when managing access and controlling overhead traffic in growing, routed networks once connectivity has been established. This is the third course in a series of four semesters pertaining to CCNP Certification. <i>Clock Hours: 75 (LEC)</i></p> <p>CNG-268 - CISCO NETWORK PROFESSIONAL IV 5.0 CR <i>PREREQUISITE: CNG-267; Min. grade C-</i> Focuses on methodologies that provide systematic and efficient approaches to troubleshooting and support of networks and network components. Emphasizes troubleshooting tools, software testing products, protocol overviews, TCP/IP features, LAN switching, VLAN broadcasts and security, routing and switching architectures, Frame Relay, ISDN, Novel IPX, Apple Talk, EIGRP, OSPF, and BGP. This is the fourth course in a series of four semesters pertaining to CCNP Certification. <i>Clock Hours: 75 (LEC)</i></p>
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Communication COM

- COM-105 - CAREER COMMUNICATIONS** 3.0 CR
Develops skills needed in obtaining and keeping a job. Includes job searching, applications, resumes, interviews, and the dynamics of customer, peer, and managerial relationships. Emphasizes speaking, writing, listening, critical reading skills, and vocabulary development essential to the employment world.
Clock Hours: 45 (LEC)
- * **COM-115 - PUBLIC SPEAKING** 3.0 CR
PREREQUISITE: College-Level Reading
Combines basic theory of speech communication with public speech performance skills. Emphasis is on speech delivery, preparation, organization, support, and audience analysis.
Prev. Course Codes: (COM-161) (SPE-115) Clock Hours: 45 (LEC)
- * **COM-121 - COLLEGE SURVIVAL SKILLS** 3.0 CR
PREREQUISITE: College-Level Reading
Enables students to identify and develop strategies and skills necessary to successfully meet the challenges and expectations of the college experience. In addition, students explore resources available at the institution and elsewhere that can aid their success in college and in the workplace.
Clock Hours: 45 (LEC)
- * **COM-125 - INTERPERSONAL COMMUNICATION** 3.0 CR
PREREQUISITE: College-Level Reading
Examines the communication involved in interpersonal relationships occurring in a family, social, and career situations. Relevant concepts include self concept, perception, listening, nonverbal communication, and conflict negotiation.
Prev. Course Codes: (COM-120) (COM-264) (SPE-125) Clock Hours: 45 (LEC)
- COM-126 - COMMUNICATION IN HEALTHCARE** 3.0 CR
PREREQUISITE: College-Level Reading
Familiarizes the student with interactive concerns in settings related to patient-client care. Course includes discussions of diverse culture, client interaction, and family/caregiver issues. The student will also address the concerns of attitude, office politics, teamwork, self-initiative, and conflict management as specifically experienced in the patient-as-client setting.
Clock Hours: 45 (LEC)
- COM-175 - SPECIAL TOPICS** 1.0-6.0 CR
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
- * **COM-263 - CONFLICT RESOLUTION** 1.0 CR
PREREQUISITE: College-Level Reading
Focuses on handling conflict productively. Students gain insights into the roots of conflict and engage in skill practice in mediating interpersonal conflicts. The emphasis is on conflict prevention.
Prev. Course Codes: (BUS-270CF) Clock Hours: 15 (LEC)
- COM-275 - SPECIAL TOPICS** 1.0-6.0 CR
Provides students with a vehicle to pursue in depth exploration of special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Construction Technology CON

- CON-128 - COST ESTIMATION** 2.0 CR
Provides an overview of the estimation process. Bid requirements and package are discussed along with an introduction to the CSI divisions.
Prev. Course Codes: (BCT-132) Clock Hours: 30 (LEC)
- CON-130 - BLUEPRINT READING** 2.0 CR
Focuses on the techniques for reading and using blueprints and specifications with an emphasis placed on those drawing and types of information that are relevant to the carpentry craft.
Clock Hours: 30 (LEC)
- CON-140 - INTRODUCTION TO BUILDING CODES AND ENFORCEMENT UBC** 3.0 CR
Introduces the basic concepts of code enforcement.
Prev. Course Codes: (BCT-131) (BCT-035) (BCT-135) Clock Hours: 45 (LEC)
- CON-145 - CONSTRUCTION PROJECT MANAGEMENT I** 2.0 CR
Covers the principles of project planning, scheduling, estimating and management. The participant learns the basic skills required to supervise personnel, with the introduction of technologies as they become commonly accepted.
Prev. Course Codes: (CON-137) Clock Hours: 30 (LEC)

Criminal Justice CRJ

- * **CRJ-110 - INTRO TO CRIMINAL JUSTICE** 3.0 CR
PREREQUISITE: College-Level Reading
A study of the agencies and processes involved in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. Includes an analysis of the roles and problems of the criminal justice system in a democratic society, with an emphasis upon inter-component relations, and checks and balances.
Clock Hours: 45 (LEC)
- * **CRJ-111 - SUBSTANTIVE CRIMINAL LAW** 3.0 CR
PREREQUISITE: CRJ-110 or PAR-115; Min. grade C-
Teaches legal definitions of crime, purposes and functions of the law, historical foundations, and the limits of the criminal law.
Prev. Course Codes: (CRJ-127) Clock Hours: 45 (LEC)
- CRJ-112 - PROCEDURAL CRIMINAL LAW** 3.0 CR
PREREQUISITE: CRJ-110; Min. grade C-
This course covers constitutional and procedural considerations affecting arrest, search/seizure, post-conviction treatment, origin, development, philosophy and constitutional basis of evidence. Focuses on degrees of evidence and rules governing admissibility, judicial decisions interpreting individual rights, and an analysis of case studies from arrest through final appeal.
Clock Hours: 45 (LEC)
- CRJ-125 - LAW ENFORCEMENT OPERATIONS** 3.0 CR
PREREQUISITE: CRJ-110; Min. grade C-
An in-depth examination of the complexity and multi-dimensional aspects of the law enforcement role and career; law enforcement discretion; law enforcement values and culture in modern America. The role and functions of law enforcement in occupational, social, political and organizational context.
Clock Hours: 45 (LEC)
- CRJ-135 - JUDICIAL FUNCTION** 3.0 CR
PREREQUISITE: CRJ-110; Min. grade C-
This course examines the criminal process with an analysis of the major judicial decision-makers, i.e. prosecutors, defense attorneys, judges, and the discretionary aspects of adjudication.
Clock Hours: 45 (LEC)
- CRJ-145 - CORRECTIONAL PROCESS** 3.0 CR
PREREQUISITE: CRJ-110; Min. grade C-
Focuses on post-conviction corrections process; the development of a correctional philosophy, theory & practice; a description of institutional operation, programming, and management; community-based corrections, probation and parole.
Clock Hours: 45 (LEC)
- CRJ-175 - SPECIAL TOPICS** 1.0-6.0 CR
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.
- CRJ-208 - CRIMINAL EVIDENCE** 3.0 CR
Reviews the basic principals of evidence in state and Federal criminal proceedings. Includes analysis of the Federal Rules of Evidence and the Colorado Evidence Rules, as well as evidentiary and procedural requirements in the courts. The course will focus on evidence questions in the context of the examination of witnesses, competency, privilege, relevancy, hearsay, burden of proof, and the presentation of scientific and demonstrative evidence. Constitutional guidelines affecting evidence collection and admissibility will also be reviewed.
Clock Hours: 45 (LEC)
- * **CRJ-210 - CONSTITUTIONAL LAW** 3.0 CR
PREREQUISITE: CRJ-110 or PAR-115; Min. grade C-
Focuses on the powers of government as they are allocated and defined by the United States Constitution; includes intensive analysis of United States Supreme Court decisions.
Clock Hours: 45 (LEC)
- CRJ-216 - JUVENILE LAW AND PROCEDURES** 3.0 CR
An in-depth analysis of the socio-legal operation of the Juvenile Justice System, focusing on the substantive and due process rights of minors. Analysis of legal reasoning underlying the juvenile law as it operates at all levels of government.
Prev. Course Codes: (CRJ-230) Clock Hours: 45 (LEC)
- * **CRJ-220 - HUMAN RELATIONS & SOCIAL CONFLICT** 3.0 CR
PREREQUISITE: CRJ-110; Min. grade C-
Highlights the environmental, organizational and socio-psychological dimensions of social control. Includes the study of individual attitudes, beliefs and behavior involved in role conflicts, community relations and conflict management in the social structure.
Prev. Course Codes: (CRJ-215) Clock Hours: 45 (LEC)
- * **CRJ-230 - CRIMINOLOGY** 3.0 CR
PREREQUISITE: CRJ-110; Min. grade C-
Examines the question of crime causation from legal, social, political, psychological, and theoretical perspectives. Covers the history and development of criminology.
Prev. Course Codes: (CRJ-115) (CRJ-152) Clock Hours: 45 (LEC)

Computer Science CSC

* CSC-119 - INTRODUCTION TO PROGRAMMING 3.0 CR

Focuses on a general introduction to computer programming. Emphasizes the design and implementation of structured and logically correct programs with good documentation. Focuses on basic programming concepts, including numbering systems, control structures, modularization, and data processing. A structured programming language is used to implement the student's program designs.

Prev. Course Codes: (CIS-119) (CSC-125) (CSC-127) (CSC-128) (CSC-129) (CSC-131) (CSC-132) (CSC-127) (CSC-128) (CSC-129) (CSC-161) (CSC-162) (CSC-163) (CSC-152) Clock Hours: 45 (LEC)

CSC-126 - GAME DESIGN & DEVELOPMENT 3.0 CR

Combines problem-solving techniques with computer game design and implementation to introduce the student to basic gaming and computer science concepts. Students design, implement, and test computer games using software that allows for basic game creation through a wide variety of game creation tools; no prior programming experience is required.

Clock Hours: 45 (LEC)

CSC-150 - VISUAL BASIC PROGRAMMING 3.0 CR

PREREQUISITE: CSC-119; *Min. grade C-*
Introduces programming and applications development for the Microsoft Windows Programming environment using Visual Basic for Windows.

Prev. Course Codes: (CIS-166) (CIS-160) (CSC-126) (CSC-160) (CSC-153) (CSC-259) Clock Hours: 45 (LEC)

CSC-216 - COMPUTER GAME LOGIC & DESIGN 3.0 CR

PREREQUISITE: CSC-126 CSC-119; *Min. grade C-*

Teaches the fundamentals of two and three-dimensional game programming. The course includes use of graphics, sounds, and multiple input devices.

Clock Hours: 45 (LEC)

CSC-233 - OBJECT-ORIENTED PROGRAMMING IN C++ 3.0 CR

PREREQUISITE: CSC-119; *Min. grade C-*

Covers all syntactical components of the C++ language including arrays, structures, pointers, functions, and classes. Emphasizes inheritance, overloading, and polymorphism. Focuses on writing clear, properly-structured, and well-documented programs using the C++ language and object-oriented methodology. This is an advanced course in C++ programming.

Clock Hours: 45 (LEC)

CSC-235 - MICROSOFT VISUAL C++ 3.0 CR

Introduces the use of the Microsoft Foundation Class Library for Microsoft windows programming. Enables the student to utilize Visual C++ App Wizard to create complete Windows applications employing the document/view architecture. Explores the Visual C++ resource editor to create menus, toolbars, controls, and dialogs and use Class Wizard to handle Windows messages. Successful completion of CSC-119, Introduction to Programming, prior to taking this course advised.

Clock Hours: 45 (LEC)

CSC-240 - JAVA PROGRAMMING 3.0 CR

PREREQUISITE: MAT-107 or MAT-108; *Min. grade C-*

Introduces Java programming language and covers basic graphics, events/procedures, user interface, and

libraries. Enables the student to write and execute a variety of Java programs. Incorporates Java Applets into HTML.

Prev. Course Codes: (CIS-168) Clock Hours: 45 (LEC)

CSC-260 - INTRODUCTION TO ASP.NET 3.0 CR

Teaches students how to create a simple Microsoft ASP.NET application that delivers dynamic content to the Web.

Clock Hours: 45 (LEC)

CSC-275 - SPECIAL TOPICS .5-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Culinary Arts CUA

CUA-101 - FOOD SAFETY AND SANITATION 2.0 CR

Covers the basic rules of sanitation, food-borne illnesses, safe food temperatures, safe food handling techniques, the HACCP Program, pest control procedures, and local/state health rules and regulations for food service operations. At the completion of the course students take a nationally recognized test from the Education Foundation of the National Restaurant Association. If passed with a score of 75% or more, students receive a Certificate of Completion from the Education Foundation.

Prev. Course Codes: (CUA-155) (RMA-115) (RMA-055) (RMA-225) Clock Hours: 30 (LEC)

CUA-115 - INTRODUCTION TO SUSTAINABLE CUISINE 2.0 CR

Covers an overview of the profound impacts human food production systems have on the environment and society. Focuses on meeting present food needs without compromising the ability of future generations to meet their own. Topics emphasized include the connections among agriculture, food production, ecology, ethics, nutrition, health, cuisine, and foodservice operations within the framework of sustainability. Meets a minimum of 30 hours.

Clock Hours: 30 (LEC)

CUA-121 - INTRODUCTION TO FOOD PRODUCTION PRINCIPLES AND PRACTICES 1.0 CR

PREREQUISITE: CUA-101; *Min. grade C-*
Provides students with the fundamental principles of commercial kitchen operations including safety and sanitation applications, use and care of equipment, tools, utensils and knives, recipe use and conversion, organization of work, and basic cooking methods.

Clock Hours: 22.5 (LECLB)

CUA-122 - INTRODUCTION TO STOCKS, SOUPS, & SAUCES 1.0 CR

PREREQUISITE: CUA-121; *Min. grade C-*
Focuses on the fundamental principles of stocks, soups, sauces, gravies, and thickening agents. Enables students to produce a variety of these products in the commercial kitchen incorporating practice in the use of tools, utensils, equipment, and application of safety and sanitation practices. Students apply pre-preparation skills and efficient organization of work techniques. Meets a minimum of 22.5 hours.

Prev. Course Codes: (CUA-126) Clock Hours: 22.5 (LECLB)

CUA-123 - INTRODUCTION TO GARDE MANGER 1.0 CR

PREREQUISITE: CUA-121; *Min. grade C-*
Provides fundamental principles of cold food and non-alcoholic beverage preparation and production. Enables students to produce a variety of cold food and non-alcoholic beverage products incorporating practice in the use of tools, utensils, equipment, and

application of safety and sanitation methods. Introduces basic cold food decorative work such as fruit and vegetable garnishes and carvings, terrines, and hors d'oeuvres. Focuses on pre-preparation procedures and efficient organization of work techniques.

Clock Hours: 22.5 (LECLB)

CUA-124 - VEGETABLE PREPARATION AND BREAKFAST COOKERY 1.0 CR

PREREQUISITE: CUA-121; *Min. grade C-*
Enables students to describe the characteristics of a variety of vegetable items including preparation procedures. Focuses on the variety of breakfast items and the preparation of vegetable items using a variety of cooking methods. Emphasizes the effects of seasonings and cooking methods on vegetable products. Students prepare, plate, and garnish breakfast orders to those ordered in restaurants with egg cookery and dairy products emphasized.

Clock Hours: 22.5 (LECLB)

CUA-126 - INTERMEDIATE SOUPS AND SAUCES 1.0 CR

PREREQUISITE: CUA-122; *Min. grade C-*
Provides the student with a continuation of the saucier station in a commercial kitchen to include the five "Grand" or "Mother Sauces," small or derivative sauces, and the major categories of soups. Gravies and pan sauces, as well as sauce garnishes, are also covered.

Clock Hours: 22.5 (LECLB)

CUA-128 - BREAKFAST PREPARATION & COOKERY 1.0 CR

Introduces students to breakfast preparation and cookery in a commercial kitchen. Focuses on a variety of commonly-used breakfast items using a variety of cooking methods. Students prepare, plate, and garnish breakfast orders similar to those ordered in restaurants with egg cookery and dairy products emphasized. Meets a minimum of 22.5 hours.

Clock Hours: 22.5 (LECLB)

CUA-129 - CENTER OF THE PLATE 4.0 CR

PREREQUISITE: CUA-121; *Min. grade C-*
Enables the student to plan and prepare a variety of complete meals in a commercial kitchen, focusing on center of the plate entrees including meat, poultry, seafood, and vegetarian items. Meat, poultry, and seafood handling and preparation, including basic forms and cuts, principles used for selecting products, and appropriate cooking methods are emphasized. Vegetarian entrees are also covered, including methods for preparation and cooking of various types of potatoes, rice, legumes, pastas, casseroles, and grain products, with special attention given to complimentary proteins.

Clock Hours: 90 (LECLB)

CUA-130 - CENTER OF THE PLATE: POULTRY 1.0 CR

PREREQUISITE: CUA-122; *Min. grade C-*
Provides the student with the basic information for proper selection, handling, and cooking of poultry and fowl products, including chicken, duck, turkey, goose, and pheasant. The course focuses on a variety of poultry and fowl products that are commonly used in the professional kitchen. Meets a minimum of 22.5 hours.

Clock Hours: 22.5 (LECLB)

CUA-131 - STARCHES, PASTAS, CASSEROLES, & GRAINS 1.0 CR

PREREQUISITE: CUA-121; *Min. grade C-*
Provides the basics of preparing and/or cooking potatoes, starches, legumes, and pastas. Enables students to prepare and cook a variety of casseroles and grain products. Allows students to apply pre-preparation skills and efficient organization of work techniques.

Prev. Course Codes: (CUA-151) Clock Hours: 22.5 (LECLB)

<p>CUA-134 - APPLICATION OF FOOD PRODUCTION PRINCIPLES 1.0 CR Serves as the practice vehicle for the student to apply food production principles for foods covered in CUA-121, CUA-122, CUA-123, CUA-124, CUA-131, CUA-132, and CUA-133. Enables the student to plan and prepare a variety of complete meals in a commercial kitchen. Meets a minimum of 22.5 hours. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-151 - BAKING: INTERMEDIATE BREAD PREPARATION 3.0 CR Focuses on preparation of types of bread products including French, rye, wheat, brioche, and croissants. Enables the student to demonstrate rolling, braiding, cloverleaf, parker-house, rollings, braiding, cloverleaf, parker-house, single knot, butter-flake, comb, and wreath shapes. Examines production steps, ingredients, and equipment that apply to course training. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>CUA-182 - CULINARY ARTS PRACTICUM I 3.0 CR Students will spend a minimum of 667 hours working in an approved professional kitchen learning and demonstrating culinary skills. This structured work-experience requires students to practice in a variety of culinary positions while rotating through different restaurant kitchens. Students will maintain a portfolio of culinary skills learned and positions worked through the timely and accurate upkeep of their required logbook. <i>Prev. Course Codes: (CUA-131) Clock Hours: 667 (CLIN)</i></p>
<p>CUA-135 - CENTER OF THE PLATE: BEEF & VEAL 1.0 CR <i>PREREQUISITE: CUA-122; Min. grade C-</i> Provides the student with the basic information required for proper selection, handling, and cooking of beef and veal products. The course focuses on a variety of beef and veal products commonly used in the professional kitchen. Meets a minimum of 22.5 hours. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-152 - INDIVIDUAL FANCY DESSERT PRODUCTION 3.0 CR Focuses on the preparation and decoration of individual dessert items. Covers the preparation of cream horns, napoleons, eclairs, cream puffs, marzipan fruits, marzipan sculptures, tarts, flambéed desserts, international desserts, pastry shells, pulled sugar, spun sugar, and individual chocolate decorations. Students research and locate dessert menus/recipes to be used in lab production. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>CUA-183 - CULINARY ARTS PRACTICUM II 3.0 CR <i>PREREQUISITE: CUA-182 or CUA-182; Min. grade C-</i> Students will spend a minimum of 667 hours working in an approved professional kitchen learning and demonstrating culinary skills. This structured work-experience requires students to practice in a variety of culinary positions while rotating through different restaurant kitchens. Students will maintain a portfolio of culinary skills learned and positions worked through the timely and accurate upkeep of their required logbooks. <i>Prev. Course Codes: (CUA-132) Clock Hours: 667 (CLIN)</i></p>
<p>CUA-137 - CENTER OF THE PLATE: FISH & SEAFOOD 1.0 CR <i>PREREQUISITE: CUA-122(337); Min. grade C-</i> Provides the student with the basic information required for proper selection, handling, and cooking of fish and shellfish products. The course focuses on a variety of fish and shellfish products commonly used in the professional kitchen. Meets a minimum of 22.5 hours. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-156 - NUTRITION FOR THE HOSPITALITY PROFESSIONAL 3.0 CR Provides students with the fundamentals of human nutrition. Focuses on the nutritional needs of humans throughout their life cycle as well as those with special dietary needs. Students may take a nationally recognized test from the Educational Foundation of the National Restaurant Association. <i>Clock Hours: 45 (LEC)</i></p>	<p>CUA-184 - CULINARY ARTS PRACTICUM III 3.0 CR <i>PREREQUISITE: CUA-183; Min. grade C-</i> Second-year students will spend a minimum of 667 hours working in an approved professional kitchen learning and demonstrating culinary skills. This structured work-experience requires students to practice in a variety of culinary positions while rotating through different restaurant kitchens. Students will maintain a portfolio of culinary skills learned and positions worked through the timely and accurate upkeep of their required logbooks. <i>Prev. Course Codes: (CUA-113) (CUA-133) Clock Hours: 667 (CLIN)</i></p>
<p>CUA-138 - FOOD AND BEVERAGE SERVICE 2.0 CR This course provides the practical skills and knowledge for effective management of food and beverage service in cafeterias, coffee shops, room service, banquet areas and high-check-average dining rooms. The focus is on the need of the customer. <i>Clock Hours: 30 (LEC)</i></p>	<p>CUA-159 - BUFFET PLANNING & PRODUCTION 1.0 CR Enables students to plan and present various styles of buffet set-ups including self-service, cafeteria, and staffed stations. Meeting customers' needs through menu development, equipment, and food lay-out will be emphasized. Platter presentations, carving stations, steam table/chafing dish, and plated service will be included. Meets a minimum of 22.5 hours. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-187 - COOPERATIVE LEARNING 3.0 CR Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor works with the student to select an appropriate work site, establish learning objectives, and to coordinate learning activities with the employer or work site. <i>Clock Hours: 450 (COOP)</i></p>
<p>CUA-139 - CENTER OF THE PLATE: PORK, LAMB, & GAME 1.0 CR <i>PREREQUISITE: CUA-122; Min. grade C-</i> Provides the student with the basic information required for the proper selection, handling, and cooking of pork, lamb, and game. The course focuses on a variety of pork, lamb, and game products commonly used in the professional kitchen. Meets a minimum of 22.5 hours. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-161 - ADVANCED CAKE DECORATING - WEDDING CAKES 2.0 CR Demonstrates a variety of wedding cake decorating techniques. Students will learn to work with gumpaste, rolled fondant, royal icing. Students will complete a two-tier wedding cake. <i>Clock Hours: 45 (LECLB)</i></p>	<p>CUA-233 - ADVANCED LINE PREP & COOKERY 4.0 CR Focuses on preparation of complete meals to order. Emphasizes cooking center-of-the-plate items such as meat, fish, seafood, and poultry as well as accompaniment foods such as starches and vegetables. Enables the student to prepare sauces, entree salads, edible garnishes, and meals determined by the menu prepared for a dining room setting. Emphasizes line supervisor, sauté cook, pantry cook, cooks helper, and runner responsibilities. <i>Clock Hours: 90 (LECLB)</i></p>
<p>CUA-141 - BAKING: PRINCIPLES AND INGREDIENTS 1.0 CR <i>PREREQUISITE: CUA-121; Min. grade C-</i> Provides the student with the fundamentals of baking terminology, principles of baking, and the characteristics and functions of the main ingredients used in bakery production. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-165 - COMPUTER APPLICATIONS IN THE FOOD INDUSTRY 3.0 CR <i>PREREQUISITE: CIS-118; Min. grade C-</i> This course will provide the student with the fundamentals of computer applications in the foodservice industry. Students will be able to describe a variety of computer applications in the workplace. Students will apply the knowledge of computers in the workplace by using word processing, spreadsheets, database, Internet, and graphics. <i>Clock Hours: 45 (LEC)</i></p>	<p>CUA-242 - INTERMEDIATE GARDE MANGER: CHARCUTERIE 1.0 CR <i>PREREQUISITE: CUA-123; Min. grade C-</i> Teaches students the basic skills necessary for preparing a variety of popular charcuterie items. This advanced course begins with an introduction to ingredients and their application as students learn to prepare a variety of forcemeats. Students go on to learn the preparation of pates, galantines, terrines, and sausages. Preparation and the use of aspic and chaud-froid as covered. <i>Prev. Course Codes: (CUA-251) Clock Hours: 22.5 (LECLB)</i></p>
<p>CUA-142 - BASIC YEAST-RAISED PRODUCTS AND QUICKBREADS 1.0 CR <i>PREREQUISITE: CUA-141; Min. grade C-</i> Provides the student with the fundamentals of basic yeast-raised production and quickbreads. Enables the student to produce white bread, rolls, variety grain breads, specialty breads, sweet yeast-raised products, and quickbreads. Meets for a minimum of 22.5 hours. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-175 - SPECIAL TOPICS 1.0-6.0 CR Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information. <i>Prev. Course Codes: (CUA-290A)</i></p>	
<p>CUA-143 - BAKING: CAKES, PIES, PASTRIES AND COOKIES 1.0 CR <i>PREREQUISITE: CUA-141; Min. grade C-</i> Provides the student with the fundamentals of basic cake, pie, pastry, and cookie production. Enables the student to produce a variety of cakes, pies, pastries, cookies and assorted dessert items. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>CUA-180 - INTERNSHIP 1.0 CR Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor. <i>Clock Hours: 45 (COOP)</i></p>	

CUA-245 - INTERNATIONAL CUISINE 2.0 CR

This course introduces full meal preparation of non-traditional international cuisine. Ethnic ingredients and meals from India, Thailand, Greece, Morocco, Africa, South America and Ecuador will be introduced.

Prev. Course Codes: (CUA-245) Clock Hours: 45 (LECLB)

CUA-251 - ADVANCED GARDE MANGER: HORS D'OEUVRES 1.0 CR

PREREQUISITE: CUA-242; Min. grade C-

This course introduces the student to a broad array of both hot and cold hors d'oeuvres and appetizers. Students learn to prepare various ethnic hors d'oeuvres including tapas, antipasta, sushi, classical and contemporary canapes, as well as show mirrors and platters.

Clock Hours: 22.5 (LECLB)

CUA-253 - ADVANCED SEMINAR IN SAUCE 1.0 CR

PREREQUISITE: CUA-122; Min. grade C-

Provides advanced instruction in classical and international sauce work. This course focuses on classical and contemporary small sauces, integral sauces, and international/ethnic sauce work.

Clock Hours: 22.5 (LECLB)

CUA-255 - SUPERVISION IN THE HOSPITALITY INDUSTRY 3.0 CR

Provides the current/future foodservice operator, manager, or supervisor with a solid foundation for developing communication skills, planning and decision-making skills, and skills for creating a goal-oriented environment utilizing management principles in the selection, training, evaluating, delegating, motivating, rewarding, and disciplining employees. Stresses skills for success through people development.

Clock Hours: 45 (LEC)

CUA-261 - COST CONTROLS 3.0 CR

PREREQUISITE: MAT-107; Min. grade C-

Provides students with the opportunity to learn the types of costs usually found in the food service industry. Students will learn to apply control techniques to a variety of costs and sales. They will also learn to interpret a variety of financial reports which reflect the relationship between costs and income.

Prev. Course Codes: (CUA-161) Clock Hours: 45 (LEC)

CUA-262 - PURCHASING FOR THE HOSPITALITY INDUSTRY 3.0 CR

Emphasizes controlling costs as applied to the selection and procurement of food and supply items. Covers selection and procurement of food and supplies, supplier selection, and distribution systems including the forces affecting them. Students will take a nationally recognized test and may receive a certificate from the Education Foundation, the educational arm of the National Restaurant Association.

Prev. Course Codes: (CUA-210) Clock Hours: 45 (LEC)

CUA-264 - SUSTAINABLE FOODSERVICE OPERATIONS 3.0 CR

PREREQUISITE: CUA-115; Min. grade C-

Students will examine the issues, challenges, and opportunities in establishing a sustainable foodservice operation, including: economic feasibility, marketing, sourcing of products, seasonal/local menus, and minimizing on-site consumption and waste of resources. Students will identify actions that will improve or diminish sustainability in a foodservice operation and how to perform cost-benefit analysis of these actions to maximize effectiveness.

Clock Hours: 45 (LEC)

CUA-265 - MENU DEVELOPMENT AND PLANNING 4.0 CR

This course introduces the student to menu planning and development, integration of menus into foodservice operations, and the purchasing function in foodservice.

Prev. Course Codes: (CUA-210) Clock Hours: 60 (LEC)

CUA-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Prev. Course Codes: (CUA-290C)

CUA-281 - INTERNSHIP 3.0 CR

Places students in an actual work situation where they participate in the operation of a foodservice establishment. Hours of work are arranged by the site supervisor and the intern.

Clock Hours: 450 (CLIN)

CUA-282 - CULINARY ARTS PRACTICUM IV 3.0 CR

PREREQUISITE: CUA-184 or CUA-184; Min.

grade C-

Second-year students will spend a minimum of 667 hours working in an approved professional kitchen learning and demonstrating culinary skills. This structured work-experience requires students to practice in a variety of culinary positions while rotating through different restaurant kitchens. Students will maintain a portfolio of culinary skills learned and positions worked through the timely and accurate upkeep of their required logbook.

Prev. Course Codes: (CUA-231) Clock Hours: 667 (CLIN)

CUA-283 - CULINARY ARTS PRACTICUM V 3.0 CR

PREREQUISITE: CUA-282 or CUA-282; Min.

grade C-

Third-year students will spend a minimum of 667 hours working in an approved professional kitchen learning and demonstrating culinary skills. This structured work-experience requires students to practice in a variety of culinary positions while rotating through different restaurant kitchens. Students will maintain a portfolio of culinary skills learned and positions worked through the timely and accurate upkeep of their required logbook.

Prev. Course Codes: (CUA-232) Clock Hours: 667 (CLIN)

CUA-284 - CULINARY ARTS PRACTICUM VI 3.0 CR

PREREQUISITE: CUA-283 or CUA-283; Min.

grade C-

Third-year students will spend a minimum of 667 hours working in an approved professional kitchen learning and demonstrating culinary skills. This structured work-experience requires students to practice in a variety of culinary positions while rotating through different restaurant kitchens. Students will maintain a portfolio of culinary skills learned and positions worked through the timely and accurate upkeep of their required logbook.

Prev. Course Codes: (CUA-233) Clock Hours: 667 (CLIN)

Computer Based Web CWB

CWB-110 - COMPLETE WEB AUTHORIZING 3.0 CR

PREREQUISITE: CIS-118 or CIS-128; Min. grade C-

Explores the complete set of web authoring skills using HTML and/or other scripting languages. Includes

links, backgrounds, controlling text and graphic placement, tables, image maps, frames and forms.

Clock Hours: 45 (LEC)

CWB-130 - WEB EDITING TOOLS 3.0 CR

Provides tools used for designing and building Web pages that are easy to use and have a pleasing look. The student will develop Web pages using various software programs. Use of images, forms, frames, tables, templates, and layers will be covered.

Clock Hours: 45 (LEC)

CWB-162 - INTRODUCTION TO IMAGE EDITING: (SOFTWARE) 3.0 CR

Introduces the basic skills needed to edit images digitally. An emphasis is made on specific image editing tools and skills used to enhance photographs. Prior Windows experience or intro-level computer skills required.

Clock Hours: 67.5 (LECLB)

CWB-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

CWB-205 - COMPLETE WEB SCRIPTING 3.0 CR

PREREQUISITE: CWB-110; Min. grade C-

Explores the complete set of web scripting skills needed to develop Web Applications. Includes variables, data types, arithmetic operations, logical operations, looping, creating and reading cookies, creating an array, displaying data based on a cookie value, setting flags, working with frames, creating objects in a hidden frame, using the History Object, writing HTML to another window, determining browser and detecting keystrokes.

Clock Hours: 45 (LEC)

CWB-208 - WEB APPLICATION DEVELOPMENT 3.0 CR

PREREQUISITE: CWB-110; Min. grade C-

Teaches students how to work in the server-side scripting environment. Students learn the basics of application development, and general principles that apply to most development environments. Students develop applications using two different server-side application development tools: PHP Hypertext Preprocessor (PHP) and Cold Fusion. Students also learn key application standards such as source and revision control, coding standards, code optimization, and data integrity.

Clock Hours: 45 (LEC)

CWB-289 - WEB DEVELOPER PORTFOLIO 3.0 CR

This is the capstone course for the Web Developer degree and Certificate programs. Students will create a portfolio of work demonstrating proficiency as a Web Developer.

Prev. Course Codes: (CWB-280) Clock Hours: 45 (LEC)

Dance DAN

*** DAN-111 - MODERN DANCE I 1.0 CR**

Introduces basic concepts and skills of modern dance. Focuses on technique work to increase strength, flexibility, endurance, coordination, rhythm, and spatial awareness. Explores dance as a tool for communication and dance as an art form. May be repeated for a maximum of three credits.

Prev. Course Codes: (THD-151) (THD-151M2) Clock Hours: 30 (LAB)

- * **DAN-112 - MODERN DANCE II** 1.0 CR
PREREQUISITE: DAN-111; *Min. grade C-*
 Includes a more in-depth study of modern dance concepts as well as more specific techniques of modern dance choreography. Focuses on more advanced technique work and more emphasis on improvisation. May be repeated for a total of three credits.
Prev. Course Codes: (THD-152) (THD-162M2)
Clock Hours: 30 (LEC)
- * **DAN-121 - JAZZ I** 1.0 CR
 Introduces the basic techniques and vocabulary of jazz dance and the basic elements of dance. Focuses on movement oriented dance, comprised of warm-up exercises, center combinations, traveling combinations, and cool down. May be repeated for a maximum of three credits.
Prev. Course Codes: (THD-131) (THD-151B3)
Clock Hours: 30 (LEC)
- * **DAN-122 - JAZZ II** 1.0 CR
PREREQUISITE: DAN-121; *Min. grade C-*
 Continues Jazz I with an increased knowledge of jazz dance. Enables the student to work at an intermediate level with a basic understanding of body alignment, balance, and musicality. May be repeated for a maximum of three credits.
Prev. Course Codes: (THD-232) (THD-261J2)
Clock Hours: 30 (LEC)
- 📖 **DAN-125 - HISTORY OF DANCE I** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces the history of dance as a theatre or performing art. Examines dance from Classical Greece through the Renaissance, including court and classical ballet to modern dance with African and Caribbean influences.
Clock Hours: 45 (LEC)
- * **DAN-129 - INTRODUCTION TO DANCE** 1.0 CR
 Introduces the art of dance and movement expression from a variety of viewpoints: historical, cultural, aesthetic, critical, and creative. Examines the art and craft of dance as an expression of culture and community while exploring personal expression, imagery, dance techniques, and performance qualities.
Prev. Course Codes: (THD-111) (THD-150B) *Clock Hours: 30 (LEC)*
- * **DAN-131 - BALLET I** 1.0 CR
 Introduces the basic techniques of ballet, which are built upon knowledge of ballet terminology, fundamental exercises, and the basic elements of dance. Focuses on movement-oriented dance, comprised of stretching, barre warm-up exercises, simple terre a terre and jumping steps, and basic extended positions. May be repeated for a maximum of three credits.
Prev. Course Codes: (THD-122) (THD-151B2)
Clock Hours: 30 (LAB)
- * **DAN-132 - BALLET II** 1.0 CR
PREREQUISITE: DAN-131; *Min. grade C-*
 Continues Ballet I and emphasizes ballet terminology, fundamental exercises, and the basic elements of dance. Focuses on an intermediate level within the basic structure of the ballet class. May be repeated for a maximum of three credits.
Prev. Course Codes: (THD-222) (THD-261B2)
Clock Hours: 30 (LAB)
- * **DAN-133 - BALLET III** 1.0 CR
PREREQUISITE: DAN-132; *Min. grade C-*
 Builds on Ballet II at an intermediate/advanced level. Continues learning within the basic structure of a ballet class while increasing the level of skills

through more experience with challenging movement combinations. May be repeated for a maximum of three credits.

Prev. Course Codes: (THD-224) (THD-271B2)
Clock Hours: 30 (LEC)

* **DAN-143 - TAP I** 1.0 CR
 Basic tap dance movements and techniques are introduced in this course. The shuffle, ball change, brush, flap heel drop, stomp, and stamp step are covered.
Prev. Course Codes: (THD-141A) (THD-151T2)
Clock Hours: 30 (LEC)

* **DAN-145 - IRISH DANCE I** 1.0 CR
 Introduces the basics of Irish solo step dancing including Irish dance strengthening and stretching exercises, foot and leg care, how to work with Irish music, correct body positions, and skipping and leaping movements. This course is devoted to softshoe dancing including reels and jigs (light, single, and slip). Ceili dancing will also be covered. Open to those with little or no experience.
Clock Hours: 30 (LAB)

* **DAN-146 - IRISH DANCE II** 1.0 CR
PREREQUISITE: DAN-145; *Min. grade C-*
 Continues the soft-shoe work in reels and jigs (light, single, and slip), and Ceili, and adds hard shoe dancing to the repertoire with double (or treble) jigs, hornpipes, and possibly treble reels. This course is intended for those ready to move on from Irish Dance I.
Clock Hours: 30 (LAB)

* **DAN-147 - AFRICAN DANCE I** 1.0 CR
 Building strength through easier dance combinations, this course focuses on understanding African-style ethnic dance and increased body awareness. Abdominal work is included. This course is for beginners and for those who want to start more slowly.
Clock Hours: 30 (LAB)

* **DAN-148 - AFRICAN DANCE II** 1.0 CR
 Builds on African Dance I. This course focuses on performance choreography and show. Students must be familiar with traditional West African dance.
Clock Hours: 30 (LAB)

DAN-175 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (THD-236) (THD-237) (THD-238) (THD-237) (THD-236) (THD-270AJ)

* **DAN-211 - DANCE COMPOSITION** 1.0 CR
 Focuses on principles of choreography and development of individual expressive style.
Prev. Course Codes: (THD-270DC) *Clock Hours: 30 (LEC)*

* **DAN-221 - DANCE PERFORMANCE** 1.0 CR
 Enables students to rehearse and perform dances for community concerts after selection through audition. Covers warm-up/advanced technique, rehearsals, and cool down in a dance company atmosphere. Focuses on choreography for original ballet, modern dance, and jazz dance works.
Prev. Course Codes: (THD-270DP) *Clock Hours: 30 (LEC)*

* **DAN-226 - POINTE** 1.0 CR
 Elementary pointe technique will be emphasized in this class. Most work will be done at the barre stressing

the muscular development of the foot, which is necessary before more advanced work can be undertaken.
Prev. Course Codes: (THD-226) (THD-270) *Clock Hours: 30 (LEC)*

DAN-275 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue in-depth exploration of special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (THD-239) (THD-246) (THD-237B) (THD-270CD) (THD-270CE) (THD-237B) (THD-246) (THD-270CD) (THD-270CE)

Early Childhood Education ECE

* **ECE-101 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Provides an introduction to Early Childhood Education. Includes the eight key areas of professional knowledge: Child Growth and Development; Health, Nutrition and Safety; Developmentally Appropriate Practices; Guidance; family and Community Relationships; Diversity; Professionalism; Administration; and Supervision. Focuses on ages birth through age eight.
Prev. Course Codes: (ECP-101) *Clock Hours: 45 (LEC)*

* **ECE-102 - INTRODUCTION TO EARLY CHILDHOOD LAB TECHNIQUES** 3.0 CR
CO-REQUISITES: ECE-101;
PREREQUISITE: *College-Level Reading*
 Focuses on a classroom seminar and placement in a childcare setting. The supervised placement provides the student with the opportunity to observe children, to practice appropriate interactions, and to develop effective guidance and management techniques. Addresses ages birth through age 8. Students must take this course concurrently with ECE-101 if they have not successfully completed ECE-101 prior to enrollment.
Prev. Course Codes: (ECP-102) (ECE-102) (ECE-102A) *Clock Hours: 90 (LAB)*

ECE-103 - GUIDANCE STRATEGIES FOR CHILDREN 3.0 CR
CO-REQUISITES: ECE-101;
PREREQUISITE: *College-Level Reading*
 Explores guidance theories, applications, goals, techniques, and factors that influence expectations, classroom management issues, and pro-social skills. Addresses ages birth through age 8. Students must take this course concurrently with ECE-101 if they have not successfully completed ECE-101 prior to enrollment.
Prev. Course Codes: (ECP-148) *Clock Hours: 45 (LEC)*

ECE-108 - THE ASSESSMENT PROCESS IN EARLY CHILDHOOD EDUCATION 1.0 CR
PREREQUISITE: ECE-101; *Min. grade C-*
 Focuses on exposing students to a wide variety of screening tools and evaluations appropriate for children birth to eight years of age. Enables students to gain beginning knowledge in the selection of developmental screening tools and evaluations important to the IFSP/IEP.
Prev. Course Codes: (ECP-270PA) *Clock Hours: 15 (LEC)*

<p>ECE-111 - INFANT AND TODDLER THEORY AND PRACTICE 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Presents an overview of theories, applications (including observations), and issues pertinent to infant and toddler development in group and/or family settings. Includes state requirements for licensing, health, safety, and nutrition. Focuses on birth through age three. <i>Prev. Course Codes: (ECP-111) Clock Hours: 45 (LEC)</i></p>	<p>use of equipment in order to enhance the optimum growth and development of the child. <i>Prev. Course Codes: (ECP-270LA) (ECE-040) (EEC-040) (EEC-247LA) Clock Hours: 30 (LEC)</i></p>	<p>* ECE-237 - THEORIES & TECHNIQUES OF SOCIAL & EMOTIONAL GROWTH 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Incorporates student-specific techniques and strategies for guiding and enhancing social and emotional growth in children 0-8 years. Introduces and compares the theories and theorists underlying quality interactions and patterns of social and emotional progression. <i>Clock Hours: 45 (LEC)</i></p>
<p>ECE-112 - INTRODUCTION TO INFANT/TODDLER LAB TECHNIQUES 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Includes a classroom seminar and placement in an infant and/or toddler setting. The supervised placement provides the student with the opportunity to observe, to practice appropriate interactions and to develop effective guidance and nurturing techniques with infants and/or toddlers. Addresses ages prenatal through age 2. <i>Prev. Course Codes: (ECP-112) Clock Hours: 90 (LAB)</i></p>	<p>ECE-175 - SPECIAL TOPICS 1.0-6.0 CR Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.</p>	<p>* ECE-238 - CHILD GROWTH AND DEVELOPMENT 4.0 CR CO-REQUISITES: ECE-101; PREREQUISITE: <i>College-Level Reading</i> Covers the growth and development of the child from conception through the elementary school years. Emphasizes physical, cognitive, language, social, and emotional domains and the concept of the whole child and how adults can provide a supportive environment. Ages addressed: pre-natal through age 12. This course has an early childhood laboratory component. <i>Clock Hours: 45 (LEC) 30 (LAB)</i></p>
<p>ECE-125 - SCIENCE/MATH AND THE YOUNG CHILD 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Examines theories of cognitive development as a framework for conceptualizing the way young children acquire scientific and mathematical skills, concepts, and abilities. Enables students to research and develop appropriate individual and group scientific/mathematical activities for young children. <i>Prev. Course Codes: (ECP-270SP) (ECE-066) Clock Hours: 45 (LEC)</i></p>	<p>ECE-188 - PRACTICUM: EARLY CHILDHOOD EDUCATION 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Provides students with field experience in early childhood programs. <i>Prev. Course Codes: (ECP-130C) Clock Hours: 135 (COOP)</i></p>	<p>ECE-240 - ADMINISTRATION OF EARLY CHILDHOOD EDUCATION PROGRAMS 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Examines Colorado's minimal licensing requirements, as well as quality standards pertaining to the operation of programs for young children. Focuses on the director's administrative skills and role as a community advocate for young children. Addresses ages birth through age 12. <i>Prev. Course Codes: (ECP-226) (ECE-226) (ECE-216) (EEC-022) (EEC-132) Clock Hours: 45 (LEC)</i></p>
<p>* ECE-126 - ART & THE YOUNG CHILD 2.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Prepares students to plan and implement a comprehensive and developmentally appropriate art program for young children. Investigates the development of self-taught art techniques in young children. <i>Prev. Course Codes: (ECP-270AC) (ECE-148) (EEC-053) Clock Hours: 30 (LEC)</i></p>	<p>* ECE-205 - NUTRITION, HEALTH, AND SAFETY 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Focuses on nutrition, health, and safety as key factors for optimal growth and development of young children. Includes nutrient knowledge, menu planning, food program participation, health practices, management and safety, appropriate activities, and communication with families. Addresses ages from prenatal through age 8. <i>Prev. Course Codes: (ECP-205) (ECE-205) Clock Hours: 45 (LEC)</i></p>	<p>ECE-241 - ADMINISTRATION: HUMAN RELATIONS FOR EARLY CHILDHOOD EDUCATION 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Focuses on the human relations component of an early childhood professional's responsibilities. Includes director-staff relationships, staff development, leadership strategies, parent-professional partnerships, and community interaction. <i>Prev. Course Codes: (ECP-216) (ECE-216) (ECE-020) (EEC-020) (EEC-131) Clock Hours: 45 (LEC)</i></p>
<p>ECE-127 - MUSIC/MOVEMENT FOR THE YOUNG CHILD 1.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Focuses on the purposes of incorporating music and movement into the early childhood curriculum. Through active participation with hands-on experiences, students work with the concepts of age and developmental appropriateness when designing fun activities with both subjects. <i>Prev. Course Codes: (ECP-270MM) Clock Hours: 15 (LEC)</i></p>	<p>ECE-209 - OBSERVING & UTILIZING YOUNG CHILDREN'S ASSESSMENT INSTRUMENTS 1.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Examines the current research on the continuous practice of observing children. Incorporates practice with a variety of assessment instruments currently utilized in Colorado ECE programs. <i>Clock Hours: 15 (LEC)</i></p>	<p>ECE-260 - EXCEPTIONAL CHILD 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> This course presents an overview of critical elements related to educating young children with disabilities in the early childhood setting. Topics include the following: typical and atypical development, legal requirements, research-based practices related to inclusion, and accommodations and adaptations. Students will learn how a disability will impact a young child's learning process. Focuses on birth through age 8. <i>Prev. Course Codes: (ECP-287) Clock Hours: 45 (LEC)</i></p>
<p>ECE-145 - CREATIVE MATERIALS 1.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Introduces and develops creative ways to prepare inexpensive materials to enhance the learning of young children. This course includes designing practical uses for recycled and found materials to meet the developmental needs of young children, leading activities with groups of young children, and presenting activities and created materials to colleagues. <i>Clock Hours: 15 (LEC)</i></p>	<p>ECE-220 - CURRICULUM DEVELOPMENT: METHODS & TECHNIQUES 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Provides an overview of early childhood curriculum development. Includes processes for planning and implementing developmentally appropriate environments, materials and experiences, and quality in early childhood programs. <i>Prev. Course Codes: (ECP-227) (ECE-015) (EEC-015) (EEC-120) Clock Hours: 45 (LEC)</i></p>	<p>ECE-275 - SPECIAL TOPICS 1.0-6.0 CR Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.</p>
<p>ECE-163 - FACILITATING FUNCTIONAL SKILLS FOR COMMUNICATION 2.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Focuses on recognizing and identifying normal patterns of speech development. Enables students to develop skills in facilitating growth and development by creatively implementing various techniques and/or</p>	<p>ECE-225 - LANGUAGE AND COGNITION FOR THE YOUNG CHILD 3.0 CR PREREQUISITE: ECE-101 PSY-238; <i>Min. grade C-</i> Examines theories of cognitive and language development as a framework for conceptualizing the way children acquire thinking skills. Includes observing, planning, facilitating, creative representation, and evaluating strategies within the context of play. Focuses on language, science, math, problem solving, and logical thinking. Addresses ages birth through age 8. <i>Prev. Course Codes: (ECP-116) Clock Hours: 45 (LEC)</i></p>	<p>ECE-288 - PRACTICUM: EARLY CHILDHOOD EDUCATION 1.0-6.0 CR PREREQUISITE: ECE-101 ECE-102(647) ECE-205(653)ECE-238(18893) ECE-241; <i>Min. grade C-</i> Provides students with advanced field experience opportunities in early childhood education programs.</p>
<p>ECE-163 - FACILITATING FUNCTIONAL SKILLS FOR COMMUNICATION 2.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Focuses on recognizing and identifying normal patterns of speech development. Enables students to develop skills in facilitating growth and development by creatively implementing various techniques and/or</p>	<p>* ECE-226 - CREATIVITY AND THE YOUNG CHILD 3.0 CR PREREQUISITE: ECE-101; <i>Min. grade C-</i> Provides an emphasis on encouraging and supporting creative self expression and problem solving skills in children. Explores creative learning theories and research. Focuses on developmentally appropriate curriculum strategies in all developmental domains. Addresses ages birth through age 8. <i>Prev. Course Codes: (ECP-115) (ECE-115) Clock Hours: 45 (LEC)</i></p>	

Economics ECO

- * ECO-101 - ECONOMICS OF SOCIAL ISSUES 3.0 CR
 Examines the major socio-economic issues of the past century. Covers poverty and growth, education, health care, pollution, and discrimination.
Clock Hours: 45 (LEC)
- * ECO-201 - PRINCIPLES OF MACROECONOMICS 3.0 CR
PREREQUISITE: College-Level Reading
 Studies the American economy, stressing the inter-relationships among the household, business, and government sectors. Explores saving and investment decisions, unemployment, inflation, national income accounting, taxing and spending policies, the limits of the market and government, public choice theory, the Federal Reserve System, money and banking, and international trade.
Clock Hours: 45 (LEC)
- * ECO-202 - PRINCIPLES OF MICROECONOMICS 3.0 CR
PREREQUISITE: College-Level Reading
 Focuses on the consumer, the firm, the nature of cost, and how these relate to the economy as a whole. Analyzes economic models of the consumer, perfect competition, monopoly, oligopoly, and monopolistic competition. Explores economic issues including market power, population growth, positive and negative externalities, income distribution, poverty and welfare, discrimination, and international economic interdependence.
Clock Hours: 45 (LEC)
- * ECO-245 - ENVIRONMENTAL ECONOMICS 3.0 CR
PREREQUISITE: College-Level Reading
 Introduces students to contemporary environmental issues and policies meant to reduce environmental degradation. Includes market failures, analytical tools, government pollution reduction policies for air, water, and natural environments and their effectiveness.
Prev. Course Codes: (NRM-140) Clock Hours: 45 (LEC)

Education EDU

- * EDU-131 - INTRODUCTION TO ADULT EDUCATION 3.0 CR
PREREQUISITE: College-Level Reading
 Introduces the student to the basic concepts in the instruction of adults. Emphasis will be placed on understanding the adult learner and how their individual backgrounds and experiences can affect the learning process. Additionally, the course will cover applicable federal and state legislation which affects adult learning programs and will offer information on additional resources and associations in the field of Adult Education.
Clock Hours: 45 (LEC)
- * EDU-132 - ADULT EDUCATION INSTRUCTION 3.0 CR
PREREQUISITE: College-Level Reading
 Covers the basics of planning an adult education program, organizing instruction within the various content areas, and delivering the material in a variety of ways, both in groups and individualized instruction. A wide variety of learning principles and theories will be addressed in ways that show their applicability to the adult learner and his/her education. This course was designed to meet Colorado Literacy Instruction Authorization requirements.
Clock Hours: 45 (LEC)
- * EDU-133 - ADULT BASIC EDUCATION/ADULT SECONDARY EDUCATION 3.0 CR
PREREQUISITE: College-Level Reading
 Specifically addresses the different levels within an Adult Education program. Each level will be addressed in terms of appropriate assessment tools and instructional techniques. Emphasis will be placed on teaching ways that the adult education instructor can encourage the development of cognitive skills at each level, as a springboard to the next higher level. This course was designed to meet Colorado Literacy Instruction Authorization requirements.
Clock Hours: 45 (LEC)
- * EDU-134 - TEACHING ENGLISH AS A SECOND LANGUAGE TO ADULT LEARNERS 3.0 CR
PREREQUISITE: College-Level Reading
 Introduces the development and implementation of a program to teach English to adults whose first language is not English. Topics will range widely from assessment and placement, to the theories behind language acquisition. Students will also cover a wide variety of methodologies, both group and individualized, that are aimed at teaching the non-English speaker the written and verbal skills necessary to successfully function in the United States. This course was designed to meet Colorado Literacy Instruction Authorization requirements.
Clock Hours: 45 (LEC)
- * EDU-135 - FAMILY LITERACY IN ADULT EDUCATION 3.0 CR
PREREQUISITE: EDU-131; Min. grade C-
 Introduces the student to the philosophy and theory behind family literacy, as well as giving practical advice on the development and implementation of a family literacy program. The four-component model of adult education, early childhood education, parent and child together time (PACT), and parenting will be covered, both in theory and practical application.
Clock Hours: 45 (LEC)
- EDU-175 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
- * EDU-221 - INTRODUCTION TO EDUCATION 3.0 CR
PREREQUISITE: College-Level Reading
 Focuses on the historical, social, political, philosophical, cultural, and economic forces that shape the United States public school system. Includes current issues of educational reform, technology as it relates to education, and considerations related to becoming a teacher in the State of Colorado.
Prev. Course Codes: (EDU-110) (EDU-151) Clock Hours: 45 (LEC)
- * EDU-222 - EFFECTIVE TEACHING 1.0 CR
PREREQUISITE: College-Level Reading
 This course focuses on strategies for becoming an effective teacher. Topics included are: course goals and objectives, the first day, planning a lesson, higher levels of thought, test design and grading, assessment, and teaching and learning styles.
Prev. Course Codes: (EDU-270ET) Clock Hours: 15 (LEC)
- * EDU-234 - MULTICULTURAL EDUCATION 3.0 CR
PREREQUISITE: College-Level Reading
 Focuses on the need to recognize and understand the similarities and differences among people and develop a respect for all individuals and groups. Assists teachers to recognize the special learning needs of children from different racial, ethnic, cultural and

socioeconomics groups and to encourage teachers to integrate multicultural/diversity teaching into the school curriculum.

Prev. Course Codes: (EDU-235) Clock Hours: 45 (LEC)

* EDU-240 - TEACHING THE EXCEPTIONAL LEARNER 3.0 CR
PREREQUISITE: College-Level Reading
 Focuses on the individual differences and modifications that are necessary in the educational practices of the exceptional learner. Incorporates an additional 10 hour 0 credit, pre professional, supervised field based experience. Together with this experience, a portfolio and field experience reflective journal is required of all students.

Prev. Course Codes: (EDU-220) (EDU-254) Clock Hours: 45 (LEC)

* EDU-242 - EXPRESSIVE ARTS IN THE ELEMENTARY CLASSROOM 3.0 CR
PREREQUISITE: College-Level Reading

Explores the integration of visual arts, music, and physical education/movement into the self contained elementary classroom curriculum based upon the theory of multiple intelligences. Familiarizes the student with the Colorado model content standards for each area, basic curriculum development, and the opportunities to practice their skills with students through field experiences.

Prev. Course Codes: (EDU-270TA) Clock Hours: 45 (LEC)

* EDU-261 - TEACHING, LEARNING & TECHNOLOGY 3.0 CR
PREREQUISITE: College-Level Reading

Prepares students to integrate technology into their teaching curriculum. Enables the student to design educational and training materials incorporating instructional technology. Explores a variety of technologies including the computer, Internet, multimedia, graphics, audio, and text with an emphasis on increasing learning through their use. Examines combining technology with a variety of instructional methodologies.

Clock Hours: 45 (LEC)

EDU-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

EDU-280 - INTERNSHIP 1.0-6.0 CR

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the educational facility and with the direct guidance of the instructor.

Clock Hours: 45 (COOP)

Engineering EGG

* EGG-130 - INTRODUCTION TO ENGINEERING COMPUTING 3.0 CR
CO-REQUISITES: MAT-201;

Introduces the use of computers in engineering problem solving and elementary numerical methods. Students learn programming fundamentals including data and algorithm structure, and modular programming. Numerical methods learned include solving single, nonlinear equations, fixed-point iteration, Gaussian elimination, and linear progression. Software includes Excel/VBA, MathCAD, and Matlab.

Clock Hours: 45 (LEC)

* **EGG-140 - FIRST-YEAR ENGINEERING PROJECTS** 3.0 CR
Provides undergraduate engineering students with an opportunity to apply mathematical and scientific skills in engineering projects. Students work in teams on engineering projects under guidance of faculty.
Clock Hours: 67.5 (LECLB)

EGG-175 - SPECIAL TOPICS (ENGINEERING) 1.0-12.0 CR
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

* **EGG-206 - MECHANICS OF SOLIDS** 3.0 CR
CO-REQUISITES: EGG-211;
Covers shear forces and bending moment, torsion, stresses in beams, deflection in beams, matrix analysis of frame structures, analysis of stress and strain in 2-D and 3-D (field equations, transformations), energy methods, stress concentrations, and columns.
Clock Hours: 45 (LEC)

* **EGG-211 - ENGINEERING MECHANICS I - STATICS** 3.0 CR
CO-REQUISITES: EGG-206;
PREREQUISITE: MAT-201 MAT-202 PHY-211;
Min. grade C-
Focuses on the vector and calculus treatment of forces and force systems. Covers concurrent and nonconcurrent force systems. Includes calculating moments of friction, trusses, centroids, and moments of inertia.
Clock Hours: 45 (LEC)

* **EGG-212 - ENGINEERING MECHANICS II - DYNAMICS** 3.0 CR
CO-REQUISITES: MAT-202;
PREREQUISITE: MAT-201; Min. grade C-
Focuses on Vector and calculus treatment of the dynamics of particles and rigid bodies using Newton's Laws. Includes work-energy impulse momentum, and free and forced oscillations.
Clock Hours: 45 (LEC)

* **EGG-230 - THERMODYNAMICS** 3.0 CR
PREREQUISITE: PHY-212; Min. grade C-
Explores fundamental concepts and basic theory, including first and second laws of thermodynamics, properties, states, thermodynamic functions, cycles, mixtures, and chemical and phase equilibrium.
Clock Hours: 45 (LEC)

Electricity Industrial Commercial EIC

EIC-105 - BASICS OF AC & DC ELECTRICITY 4.0 CR
Focuses on resistance, current, voltage, and power in AC and DC circuits; measurements; computations of series and parallel circuits; circuit analysis and troubleshooting with basic test equipment.
Clock Hours: 90 (LECLB)

EIC-130 - NATIONAL ELECTRICAL CODE I 4.0 CR
Focuses on the National Electrical Code and local code requirements for electrical installation. Covers chapters one through four of the National Electrical Code.
Clock Hours: 60 (LEC)

EIC-131 - NATIONAL ELECTRIC CODE 2011 1.5 CR
Focuses on the National Electrical Code and local code requirements for electrical installation.
Clock Hours: 22.5 (LEC)

EIC-135 - NATIONAL ELECTRICAL CODE II 4.0 CR
PREREQUISITE: EIC-130; Min. grade C-
Builds on course EIC-130 and covers chapters five through nine of the National Electrical Code, in-

cluding hazardous locations, special occupancies, conditions, and equipment.
Clock Hours: 60 (LEC)

EIC-225 - PROGRAMMABLE CONTROLLERS 4.0 CR
PREREQUISITE: EIC-105(19610); Min. grade C-
Studies the use of solid-state control equipment, primarily the programmable controller and associated solid-state sensors to control equipment, machinery, or complete processes. Includes concepts of solid-state logic, characteristics of solid-state sensors; conversions of relay logic control systems to programmable control systems; and microprocessor-based systems and remote control of processes. Enables the student to design, implement, and test control systems in the laboratory to meet specifically-assigned control problems. Emphasizes accuracy, safety, and National Electrical Code requirements.
Clock Hours: 90 (LECLB)

Electronics ELT

ELT-106 - FUNDAMENTALS OF DC/AC 3.0 CR
Introduces the basic skills needed for many careers in electronics and related fields. Covers the operations and applications of basic DC and AC circuits consisting of resistors, capacitors, inductors, transformers, and diodes. Emphasizes the use of common test instruments in troubleshooting.
Clock Hours: 67.5 (LECLB)

ELT-112 - ADVANCED DC/AC 3.0 CR
PREREQUISITE: EIC-105(19610); Min. grade C-
Continues to build on the introductory DC-AC course and covers advanced concepts of DC-AC circuits. Includes an expanded treatment of power supplies, dual-supply rectifier circuits, and Zener diode voltage regulators. Emphasizes troubleshooting.
Clock Hours: 67.5 (LECLB)

Emergency Medical Services EMS

EMS-125 - EMT BASIC 9.0 CR
CO-REQUISITES: EMS-170;
PREREQUISITE: College-Level Reading
Enables the student after successful completion of this course to take the EMT Certification Examination subject to the requirements of the Colorado Department of Health and Environment. Includes written and practical examinations. You must be at least 18 years of age on the first day of class to take this course.
Prev. Course Codes: (EMS-110) (EMT-110) (EMT-011) (EMT-140B) Clock Hours: 105 (LEC) 45 (LECLB)

EMS-126 - EMT BASIC REFRESHER 3.0 CR
Provides required didactic and skills review for renewing EMT students. Accommodates the needs of the re-entry EMT students.
Prev. Course Codes: (EMS-115) (EMT-115) (EMT-015) (EMT-145B) Clock Hours: 45 (LEC)

EMS-130 - EMT INTRAVENOUS THERAPY 1.0 CR
PREREQUISITE: EMS-125 EMS-170; Min. grade B;
Focuses on cognitive and skill practice as required by Colorado Prehospital Care Program for EMT Basic Level IV approval. Examines criteria, procedures and techniques for ICV therapy, discusses fluid and

electrolyte balance and principles, and treatment for shock.

Prev. Course Codes: (EMS-136) (EMT-136) (EMT-030) (EMT-146A) Clock Hours: 22.5 (LECLB)

EMS-162 - WILDERNESS EMT - UPGRADE 2.0 CR
Designed for currently certified EMT - Basics, Paramedics, and RNs who want to enhance their assessment and treatment skills in a remote, challenging environment. This course is part of a wilderness EMS program and builds on the American Safety and Health Institute's (ASHI) Wilderness EMT upgrade course focusing on wilderness concepts and skills with many role-playing scenarios. Students will receive ASHI Wilderness Upgrade certification. Proof of current license or certification as an EMT-B, EMT-P, or RN is required.
Clock Hours: 45 (LECLB)

EMS-170 - EMT BASIC CLINICAL 1.0 CR
CO-REQUISITES: EMS-125;
PREREQUISITE: College-Level Reading
Provides the EMT student with the clinical experience required of initial and some renewal processes. Students must be at least 18 years of age on the first day of class to take this course.
Clock Hours: 30 (CLIN)

EMS-175 - SPECIAL TOPICS 1.0 CR
Provides the student with a vehicle to pursue in-depth exploration of special topics of interest.
Clock Hours: 15 (LEC)

EMS-203 - EMT INTERMEDIATE I 6.0 CR
PREREQUISITE: College-Level Reading; Placement test
Course provides preparatory information and is the first part of the EMT Intermediate program. Students must possess current Colorado or National Registry EMT-B certification.
Prev. Course Codes: (EMS-122A) (EMT-122A) Clock Hours: 45 (LEC) 67.5 (LECLB)

EMS-205 - EMT INTERMEDIATE II 6.0 CR
PREREQUISITE: EMS-203(19555); Min. grade B;
Serves as the second course for EMT intermediate certification.
Prev. Course Codes: (EMS-122B) (EMT-122B) Clock Hours: 45 (LEC) 67.5 (LECLB)

EMS-206 - EMT INTERMEDIATE REFRESHER 3.0 CR
Meets or exceeds minimum requirements for renewing EMT intermediate or EMT intermediates in the re-entry program.
Prev. Course Codes: (EMS-125) (EMT-125) (EMT-021) Clock Hours: 22.5 (LEC) 45 (LAB)

EMS-225 - FUNDAMENTALS OF PARAMEDIC PRACTICE 3.0 CR
PREREQUISITE: EMS-125 or EMS-205; Min. grade B; Placement test
Serves as the first course of the National Standard Paramedic Curriculum as approved by the Colorado State Department of Health and Environment.
Prev. Course Codes: (EMS-221) (EMT-221) Clock Hours: 45 (LEC)

EMS-226 - FUNDAMENTALS PARAMEDIC PRACTICE LAB 2.0 CR
CO-REQUISITES: EMS-225;
PREREQUISITE: College-Level Reading; ENG-090 or Placement Test; Min. grade C-; MAT-099 or Placement Test; Min. grade C-
Serves as the lab experience to coincide with EMS-225 topics.
Prev. Course Codes: (EMS-221) Clock Hours: 45 (LAB)

<p>EMS-227 - PARAMEDIC SPECIAL CONSIDERATIONS 3.0 CR CO-REQUISITES: EMS-228; PREREQUISITE: College-Level Reading; ENG-090 or Placement Test; Min. grade C-; MAT-099; Min. grade C- Focuses on a comprehensive study of advanced life support practice. <i>Prev. Course Codes: (EMS-221) Clock Hours: 45 (LEC)</i></p>	<p>EMS-235 - PARAMEDIC TRAUMA EMERGENCIES 4.0 CR CO-REQUISITES: EMS-236; PREREQUISITE: College-Level Reading; ENG-090 or Placement Test; Min. grade C-; MAT-099 or Placement test or; Min. grade C- Focuses on a comprehensive study of adult and pediatric trauma emergencies. <i>Prev. Course Codes: (EMS-222) Clock Hours: 60 (LEC)</i></p>	<p>ENG-060 - WRITING FUNDAMENTALS 3.0 CR PREREQUISITE: ENG-030 or Placement Test; Min. grade C- Focuses on paragraph structure and development and will introduce the formal essay. Students will review and improve grammar, usage, and punctuation skills while employing critical thinking strategies and the writing process to respond to a wide variety of writing situations. <i>Clock Hours: 45 (LEC)</i></p>
<p>EMS-228 - PARAMEDIC SPECIAL CONSIDERATIONS LAB 2.0 CR CO-REQUISITES: EMS-227; PREREQUISITE: College-Level Reading; ENG-090 or Placement Test; Min. grade C-; MAT-099 or Placement test; Min. grade C- Serves as the lab experience for those students enrolled in EMS-227. <i>Prev. Course Codes: (EMS-221) Clock Hours: 45 (LAB)</i></p>	<p>EMS-236 - PARAMEDIC TRAUMA EMERGENCIES LAB 1.0 CR CO-REQUISITES: EMS-235; PREREQUISITE: College-Level Reading; ENG-090 or Placement Test; Min. grade C-; MAT-099 or Placement test or; Min. grade C- Serves as a lab presenting various acute trauma scenarios. <i>Prev. Course Codes: (EMS-222) Clock Hours: 22.5 (LAB)</i></p>	<p>ENG-090 - BASIC COMPOSITION 3.0 CR PREREQUISITE: ENG-060 or Placement Test; Min. grade C- Emphasizes critical thinking as students explore writing for specific purposes and audiences. Students will develop skills required for college-level writing while reviewing paragraph structure and focusing on essay development. <i>Clock Hours: 45 (LEC)</i></p>
<p>EMS-229 - PARAMEDIC PHARMACOLOGY 3.0 CR PREREQUISITE: College-Level Reading ENG-090 or Placement Test; Min. grade C- MAT-099 or Placement test or; Min. grade C- Focuses on a comprehensive study of emergency pharmacology. <i>Prev. Course Codes: (EMS-221) Clock Hours: 45 (LEC)</i></p>	<p>EMS-237 - PARAMEDIC INTERNSHIP PREPARATORY 2.0 CR PREREQUISITE: College-Level Reading; ENG-090 or Placement Test; Min. grade C-; MAT-099 or Placement test or; Min. grade C- Reviews concepts and techniques used in the pre-hospital setting. Note: Registration requires acceptance to paramedic program. <i>Clock Hours: 230 (LEC)</i></p>	<p>ENG-115 - TECHNICAL ENGLISH AND COMMUNICATION 3.0 CR PREREQUISITE: ENG-060; Min. grade C- Focuses on the written and oral communication needs of students in vocational and technical fields. Enables the student to practice written, oral, reading, reasoning, and interpersonal communication skills in order to become successful (or remain successful) in the workplace. <i>Clock Hours: 45 (LEC)</i></p>
<p>EMS-230 - PARAMEDIC PHARMACOLOGY LAB 2.0 CR PREREQUISITE: College-Level Reading ENG-090 or Placement Test; Min. grade C- MAT-099 or Placement test or; Min. grade C- Serves as the required lab course in the paramedic education program. <i>Prev. Course Codes: (EMS-221) Clock Hours: 45 (LAB)</i></p>	<p>EMS-270 - CLINICAL: EMS INTERMEDIATE 3.0 CR Provides the EMT-I student with the required field experiences as required by the Colorado Department of Health. <i>Clock Hours: 90 (LAB)</i></p>	<p>ENG-121 - ENGLISH COMPOSITION I 3.0 CR PREREQUISITE: ENG-090 or Placement Test; Min. grade C- This course emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. Includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. <i>Prev. Course Codes: (COM-151) Clock Hours: 45 (LEC)</i></p>
<p>EMS-231 - PARAMEDIC CARDIOLOGY 5.0 CR CO-REQUISITES: EMS-232; PREREQUISITE: College-Level Reading ENG-090 or Placement Test; Min. grade C- MAT-099 or Placement test or; Min. grade C- Addresses cardiology topics as presented in the National Standard Curriculum for Paramedics. <i>Prev. Course Codes: (EMS-222) (EMT-222) Clock Hours: 75 (LEC)</i></p>	<p>EMS-280 - PARAMEDIC INTERNSHIP I 6.0 CR Serves as a preceptor/internship program for paramedic students. <i>Clock Hours: 315 (CLIN)</i></p>	<p>ENG-122 - ENGLISH COMPOSITION II 3.0 CR PREREQUISITE: ENG-121; Min. grade C- Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. <i>Prev. Course Codes: (COM-152) Clock Hours: 45 (LEC)</i></p>
<p>EMS-232 - PARAMEDIC CARDIOLOGY LAB 1.0 CR CO-REQUISITES: EMS-231; PREREQUISITE: College-Level Reading ENG-090 or Placement Test; Min. grade C- MAT-099 or Placement test or; Min. grade C- Incorporates a hands-on application of principles of cardiac care in the hospital environment. <i>Prev. Course Codes: (EMS-222) Clock Hours: 22.5 (LAB)</i></p>	<p>EMS-281 - PARAMEDIC INTERNSHIP II 6.0 CR Serves as the continuation of EMS-240, preceptor program for paramedic students. <i>Clock Hours: 315 (CLIN)</i></p>	<p>* ENG-131 - TECHNICAL WRITING I 3.0 CR PREREQUISITE: ENG-090 or Placement Test; Min. grade C- This course develops skills one can apply to a variety of technical documents. Students learn principles for organizing, writing, and revising clear, readable documents for industry, business, and government. Note: Requires college level composition. <i>Prev. Course Codes: (ENG-125) (COM-153) Clock Hours: 45 (LEC)</i></p>
<p>EMS-233 - PARAMEDIC MEDICAL EMERGENCIES 4.0 CR PREREQUISITE: College-Level Reading ENG-090 or Placement Test; Min. grade C- MAT-099 or Placement test or; Min. grade C- Focuses on a comprehensive study of adult medical emergencies. <i>Prev. Course Codes: (EMS-222) Clock Hours: 60 (LEC)</i></p>	<p>EMS-282 - EMT INTERMEDIATE INTERNSHIP 2.0 CR Provides the EMT-Intermediate with a supervised clinical learning experience that meets or exceeds the requirements for the State of Colorado Department of Public Health and Environment. Enables the student to work with a preceptor for clinical and internship experience to develop an understanding of advanced life support patient care and assessment. <i>Clock Hours: 60 (COOP)</i></p>	<p>ENG-175 - SPECIAL TOPICS 1.0-6.0 CR Provides students with a vehicle to pursue in-depth exploration of special topics of interest.</p>
<p>EMS-234 - PARAMEDIC MEDICAL EMERGENCIES LAB 1.0 CR PREREQUISITE: College-Level Reading ENG-090 or Placement Test; Min. grade C- MAT-099 or Placement test or; Min. grade C- Focuses on a clinical study of adult and pediatric medical emergencies. <i>Prev. Course Codes: (EMS-222) Clock Hours: 22.5 (LAB)</i></p>	<h2 style="margin: 0;">English ENG</h2> <hr style="width: 50%; margin: 0 auto;"/> <p>ENG-030 - BASIC WRITING SKILLS 2.0 CR Focuses on sentence and basic paragraph structure and development. Enables the student to review and improve grammar, usage, and punctuation skills while employing critical thinking strategies and the writing process to respond to a wide variety of writing situations. <i>Clock Hours: 30 (LEC)</i></p>	

ENG-201 - ENGLISH COMPOSITION III: WRITING FOR PUBLIC DISCOURSE 3.0 CR

PREREQUISITE: ENG-122; *Min. grade C-*
Provides students with skills necessary to enter into higher-level undergraduate academic discourse or professional workplace writing. ENG-201 extends students' rhetorical knowledge and develops critical reading, thinking, and writing strategies in multiple specialized areas of discourse beyond what they encounter in ENG-122. In ENG-201 students deepen their rhetorical and writing skills by learning to analyze, synthesize, and summarize complex texts and incorporate this information into specific writing conventions for a defined discipline. As a more advanced composition course, ENG-201 provides interested students with the opportunity to continue their exploration of exposition writing with the added benefit of learning to write for distinct audiences (format, language, level of specificity).
Clock Hours: 45 (LEC)

*** ENG-221 - CREATIVE WRITING I** 3.0 CR

PREREQUISITE: ENG-121; *Min. grade C-*
Teaches techniques for creative writing. Explores imaginative uses of language through creative genres (fiction, poetry, literary nonfiction) with emphasis on the student's own unique style, subject matter, and needs.
Prev. Course Codes: (COM-251) Clock Hours: 45 (LEC)

*** ENG-222 - CREATIVE WRITING II** 3.0 CR

PREREQUISITE: ENG-221; *Min. grade C-*
This course continues development of written expression in such forms as poetry, fiction, and/or nonfiction writing.
Prev. Course Codes: (COM-252) Clock Hours: 45 (LEC)

*** ENG-226 - FICTION WRITING** 3.0 CR

PREREQUISITE: ENG-121; *Min. grade C-*
Teaches techniques for creating fiction, including the study and appreciation of the language and forms of the short story.
Clock Hours: 45 (LEC)

*** ENG-227 - POETRY WRITING** 3.0 CR

PREREQUISITE: ENG-121; *Min. grade C-*
Teaches techniques for creating poems, including study of figurative language, forms, and sound patterns of poetry.
Prev. Course Codes: (ENG-235) Clock Hours: 45 (LEC)

*** ENG-230 - CREATIVE NONFICTION** 3.0 CR

PREREQUISITE: *College-Level Reading*
Teaches students to incorporate literary techniques into factual writing. Enables the student to survey a wide range of readings and analyze form and content. Includes critical review, biographical profiles, travel writing, and memoirs. Provides the opportunity for students to write and review their own nonfiction in a supportive, constructive setting.
Clock Hours: 45 (LEC)

Engineering Technology ENT**ENT-141 - SURVEYING I** 4.0 CR

Serves as a beginning course in plane surveying. It covers horizontal distance measurement by pacing and chaining, care and use of total stations, theodolites, transits and levels, differential leveling, traversing, and basic construction surveying. Various instruction is

given in procedures and surveying terminology. Calculation of bearings, azimuths and slope reduction is also covered in this comprehensive course.

Prev. Course Codes: (SUR-115) (SUR-035) Clock Hours: 97.5 (LEC)

Environmental Science ENV**ENV-101 - INTRODUCTION TO ENVIRONMENTAL SCIENCE** 4.0 CR

Introduces the student to the basic concepts of ecology and the relationship between environmental problems and biological systems. Includes discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection.

Prev. Course Codes: (NRE-102) Clock Hours: 45 (LEC) 30 (LAB)

ENV-175 - ENV SPECIAL TOPICS 1.0-12.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Energy Technology ENY**ENY-101 - INTRODUCTION TO ENERGY TECHNOLOGIES** 3.0 CR

Introduces the energy technologies in use today and those that are in the research stage as possible alternatives. Presents technologies including active solar heating, passive solar heating, wind energy systems, biomass, photovoltaics, co-generation, low and high head hydro, hydrogen, geothermal, power towers, and energy storage systems.
Clock Hours: 67.5 (LECLB)

ENY-120 - SOLAR THERMAL SYSTEM INSTALL 4.0 CR

Learn about solar thermal panels and installation techniques. The student will apply the principles of solar energy, site analysis, cost vs payback, sizing, energy audit, and solar system design into a project.
Clock Hours: 90 (LECLB)

ENY-121 - SOLAR PHOTOVOLTAIC COMPONENTS 3.0 CR

Reinforces basic safety principles and provides detailed knowledge of photovoltaic components. Also covered is an overview of site analysis and special purpose tools. Upon successful completion of this course the student will be able to select proper components for a photovoltaic system based on regulatory codes and standards and individual component specifications.
Clock Hours: 67.5 (LECLB)

ENY-126 - SOLAR COLLECTORS 3.0 CR

Introduces the principles of design and operation of solar panel arrays, material analysis, and construction features of flat plate collectors, mounting techniques, and construction of a basic air and liquid collector array. Covers distribution from collectors to storage and building, mechanical and plumbing codes as they apply to the solar industry.
Clock Hours: 67.5 (LECLB)

ENY-127 - SOLAR PV SYSTEM INSTALL 3.0 CR

PREREQUISITE: ENY-121; *Min. grade C-*
Emphasizes safe work practices while familiarizing the student with the intricacies of installing a photovoltaic (PV) system. This course takes the student through the process from the initial site survey to system commissioning, and culminates with a hands-on installation.
Clock Hours: 67.5 (LECLB)

ENY-130 - SOLAR PHOTOVOLTAICS GRID-TIE 2.0 CR

Teaches the principles of a residential solar photovoltaic system. Site evaluation, system design, panel

installation, wiring, grounding, bonding, and commissioning are included in this course.

Clock Hours: 45 (LECLB)

ENY-225 - SOLAR DOMESTIC HOT WATER SYSTEMS 3.0 CR

Provides a working knowledge of sizing, installation, maintenance of solar domestic hot water systems, residential applications, components, parts, and cost efficiency analysis.

Clock Hours: 67.5 (LECLB)

ENY-226 - SOLAR PANEL INSTALLATION 4.0 CR

PREREQUISITE: ENY-101 ENY-126; *Min. grade C-*
Focuses on the installation of all types of panels on all types of roofs. Covers vertical wall mounting techniques.

Clock Hours: 90 (LECLB)

Fine Woodworking FIW**FIW-170 - WOODWORKING LAB I** 1.0-8.0 CR

Continues to build upon woodworking skills and techniques.

FIW-175 - SPECIAL TOPICS 1.0-6.0 CR

Assists students who are interested in individual topics within the normal curriculum. The student identifies and selects objectives that he/she needs for industry upgrades or special training to enter the workforce. The student may explore current topics, issues, or activities related to one or more aspects of the Fine Woodworking industry.

FIW-250 - PERIOD FURNITURE REPRODUCTION 4.0 CR

Focuses on researching and selecting a period and style of furniture-making from the Biblical era to contemporary times and building a reproduction piece. Examines then and now techniques and materials while selecting the construction process for the individual piece. Investigates period reproduction including musical instruments, boats, or other items.
Clock Hours: 90 (LECLB)

French FRE**FRE-101 - CONVERSATIONAL FRENCH I** 3.0 CR

Introduces beginning students to conversational French and focuses on understanding and speaking French. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

Prev. Course Codes: (FRE-101A) (FRE-101) (FRE-035) (FRE-135) Clock Hours: 45 (LEC)

FRE-102 - CONVERSATIONAL FRENCH II 3.0 CR

PREREQUISITE: FRE-101; *Min. grade C-*
Continues the sequence for beginning students who wish to understand and speak French. Covers basic conversational patterns, expressions, and grammar.

Prev. Course Codes: (FRE-102A) (FRE-102) (FRE-036) (FRE-136) Clock Hours: 45 (LEC)

*** FRE-111 - FRENCH LANGUAGE I** 5.0 CR

PREREQUISITE: *College-Level Reading*
Begins a sequence dealing with the development of functional proficiency in listening, speaking, reading and writing the French language. Note: The order of the topics and methodology will vary according to individual texts and instructors. Note: Requires college level reading.

Prev. Course Codes: (FRE-151) Clock Hours: 75 (LEC)

*** FRE-112 - FRENCH LANGUAGE II** 5.0 CR
PREREQUISITE: FRE-111; *Min. grade C-*
 Continues French I in the development of functional proficiency in listening, speaking, reading and writing the French language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.
Prev. Course Codes: (FRE-152) Clock Hours: 75 (LEC)

🏠 FRE-211 - FRENCH LANGUAGE III 3.0 CR
PREREQUISITE: FRE-112; *Min. grade C-*
 Continues French I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the French language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.
Prev. Course Codes: (FRE-251) Clock Hours: 45 (LEC)

🏠 FRE-212 - FRENCH LANGUAGE IV 3.0 CR
PREREQUISITE: FRE-211; *Min. grade C-*
 Continues French I, II and III in the development of increased functional proficiency in listening, speaking, reading, and writing the French language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.
Prev. Course Codes: (FRE-252) Clock Hours: 45 (LEC)

FRE-275 - SPECIAL TOPICS 1.0-3.0 CR
 Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Fire Science FST

FST-100 - FIREFIGHTER I 9.0 CR
 Addresses the requirements necessary to perform at the first level of progression as identified in National Fire Protection Association (NFPA) 1001, Firefighter Professional Qualifications. This is a lecture and lab course for meeting the NFPA 1001, Level I standard. Prospective students for FST-100 must pass the Colorado Mountain College Fire Science Physical Ability Test, or provide proof of having passed a comparable test within the last twelve months before being accepted into the course. Details of the test are available from the college.
Clock Hours: 67.5 (LEC) 135 (LAB)

FST-101 - FIREFIGHTER II 6.0 CR
PREREQUISITE: FST-100; *Min. grade C-*
 Addresses the requirements necessary to perform at the second level of progression as identified in National Fire Protection Association (NFPA) 1001, Firefighter Professional Qualifications. This is a lecture and lab course for meeting the NFPA 1001 Level II standard.
Prev. Course Codes: (FFS-112) Clock Hours: 135 (LECLB)

FST-102 - PRINCIPLES/EMERGENCY SERVICES SUPPRESSION 3.0 CR
PREREQUISITE: *College-Level Reading*
 Provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics;

introduction to fire protection systems; introduction to fire strategy and tactics.
Prev. Course Codes: (FSC-110) (FSC-010) (FSC-115) Clock Hours: 45 (LEC)

FST-103 - OCCUPATIONAL SAFETY & HEALTH FOR FIRE 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, EMS, hazardous materials, and technical rescue. Upon completion of this course, students should be able to establish and manage a safety program in an emergency service organization.
Clock Hours: 45 (LEC)

FST-104 - FIRE PROTECTION SYSTEMS 3.0 CR
PREREQUISITE: *College-Level Reading*
 Addresses principles and functions involved in the installation and use of sprinkler systems, special suppression systems, and fire detection and alarm systems. Covers portable fire extinguishing equipment requirements, sprinkler systems, installation, inspection and maintenance, special protection systems, and residential sprinklers.
Prev. Course Codes: (FSC-240) (FSC-035) (FSC-215) (FSV-111) Clock Hours: 45 (LEC)

FST-105 - BUILDING CONSTRUCTION FOR FIRE PROTECTION 3.0 CR
PREREQUISITE: *College-Level Reading*
 Provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of consideration and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.
Prev. Course Codes: (FSC-260) (FSC-039) (FFS-035) (FSC-247BC) (FSC-116) Clock Hours: 45 (LEC)

FST-106 - FIRE PREVENTION 3.0 CR
PREREQUISITE: *College-Level Reading*
 Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.
Clock Hours: 45 (LEC)

FST-107 - HAZARDOUS MATERIALS OPERATIONS (LEVEL I) 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces hazardous materials incidents, recognizing and identifying hazardous materials, planning response, implementing response procedures, decision making, and continued evaluation at the awareness and operation level.
Prev. Course Codes: (FSC-215) (FSC-060) (FSC-212) (FSC-211) Clock Hours: 45 (LEC)

FST-151 - DRIVER-OPERATOR 3.0 CR
PREREQUISITE: *College-Level Reading*
 Provides the student with the basic knowledge and skills to safely operate fire apparatus according to the NFPA professional standard. Enables the student to display and demonstrate knowledge of fire apparatus, operation of apparatus, pumps and pumping, hydraulics calculations, maintenance, and testing.
Clock Hours: 45 (LEC)

FST-175 - SPECIAL TOPICS 1.0-6.0 CR
 Offers foundational (100 level) and advanced (200 level) classes in the fire service field that do not fall under the standard curriculum. Includes seminar classes or prior learning credit portfolio classes that apply to fire electives. Includes National Fire Academy courses, NFPA courses, and local seminars and other professional courses and certifications.

FST-201 - INSTRUCTIONAL METHODOLOGY 3.0 CR
PREREQUISITE: FST-102 FST-105; *Min. grade C-*
 Students will study the role and responsibility of the fire service instructor. Competencies covered are oral communication skills, concepts of learning, planning and development of lesson plans, instructional materials and delivery methods, testing and evaluations, records and reports, and demonstration of instructional abilities. Fire Instructor I State Certificate is available.
Clock Hours: 45 (LEC)

FST-202 - STRATEGY & TACTICS 3.0 CR
PREREQUISITE: FST-102(402); *Min. grade C-*
 Provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment, and extinguishing agents on the fire ground.
Prev. Course Codes: (FSC-175) (FSC-045) (FSC-132) (FSC-117) Clock Hours: 45 (LEC)

FST-203 - FIRE SCIENCE HYDRAULICS 4.0 CR
PREREQUISITE: MAT-107; *Min. grade C-*
 Provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems.
Prev. Course Codes: (FSC-220) (FSC-065) (FSC-213) (FSC-214) Clock Hours: 60 (LEC)

FST-204 - PRINCIPLES OF CODE ENFORCEMENT 3.0 CR
PREREQUISITE: FST-102; *Min. grade C-*
 To provide the student with the fundamental knowledge of the role of code enforcement in a comprehensive fire prevention program.
Prev. Course Codes: (FSC-245) (FSC-070) (FSC-216) (FSC-112) Clock Hours: 45 (LEC)

FST-205 - FIRE INVESTIGATION I 3.0 CR
PREREQUISITE: FST-102; *Min. grade C-*
 Provides the student with the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the firesetter, and types of fire causes.
Prev. Course Codes: (FSC-235) (FSC-055) (FSC-210) (FSC-225) Clock Hours: 45 (LEC)

FST-206 - FIRE COMPANY SUPERVISION AND LEADERSHIP (FIRE OFFICER I) 3.0 CR
PREREQUISITE: ENG-121 FST-102; *Min. grade C-*
 Covers fire department organization, management philosophies, leadership traits, time management, group dynamics, communications, motivation counseling, conflict resolution, and employee discipline. Meets components of Fire Officer I State Certificate.
Prev. Course Codes: (FSC-160) (FSC-040) (FSC-126) (FSC-113) Clock Hours: 45 (LEC)

FST-254 - HAZARDOUS MATERIALS TECHNICIAN LEVEL 3.0 CR
PREREQUISITE: FST-107; *Min. grade C-*
 Focuses on techniques associated with hazardous materials mitigation, the use of monitoring devices, components of a mitigation team, and command and control of hazardous materials incidents.
Clock Hours: 45 (LEC)

FST-275 - SPECIAL TOPICS .5-6.0 CR
Provides students with a vehicle to pursue in-depth exploration of special topics of interest not previously offered. Includes National Fire Academy courses, VFIS courses, NFPA certification courses or other special subject classes that do not fall under the standard FST curriculum.

Fire Science Wildland FSW

FSW-100 - S-190 INTRODUCTION TO WILDLAND FIRE BEHAVIOR] 1.0 CR

CO-REQUISITES: FSW-101;
Provides instruction in the primary environmental factors that affect the start and spread of wildfire and recognition of potentially hazardous situations. This course can be taught in conjunction with or prior to Firefighting Training S-130.
Clock Hours: 15 (LEC)

FSW-101 - S-130 FIREFIGHTING TRAINING 2.0 CR
CO-REQUISITES: FSW-100;

Provides entry-level firefighter skills. A version of the L-180, Human Factors on the Fireline, is included as part of the course. Credit should be issued for S-130.
Clock Hours: 45 (LECLB)

FSW-143 - S-212 WILDFIRE CHAIN SAWS 2.0 CR

Provides introduction to the function, maintenance, and use of internal combustion, engine-powered chain saws and their tactical wildland fire application. Modules support entry-level training for firefighters with little or no previous experience in operating a chain saw and provide hands-on cutting in surroundings similar to fireline situations.
Clock Hours: 45 (LECLB)

FSW-144 - S-215 FIRE OPERATIONS IN THE WILDLAND/ URBAN INTERFACE 2.0 CR

Designed to assist structure and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements in the wildland/urban interface. Instructional units include interface awareness, size up, initial strategy and incident action plan, structure triage, structure protection tactics, incident action plan assessment and update, follow up and public relations, and firefighter safety in the interface.
Prev. Course Codes: (FST-261) Clock Hours: 15 (LEC) 30 (LAB)

FSW-145 - S-230 CREW BOSS 1.5 CR

PREREQUISITE: FSW-153; Min. grade C-
Designed to produce student proficiency in the performance of duties associated with the single-resource boss position from initial dispatch through demobilization to the home unit. Topics include operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post-incident responsibilities.
Prev. Course Codes: (FST-266) Clock Hours: 22.5 (LEC)

FSW-153 - S-290 INTERMEDIATE WILDLAND FIRE BEHAVIOR 2.0 CR

Designed to prepare the prospective supervisor to undertake safe and effective fire management operations.
Prev. Course Codes: (FST-260) Clock Hours: 30 (LEC)

Film & Video Media FVM

FVM-130 - INTRODUCTION TO DIGITAL VIDEO: (SOFTWARE) 1.0 CR

Students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos, and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, and burning finished DVDs will be covered.
Clock Hours: 15 (LEC)

FVM-150 - DEVELOPMENT OF FILM EXPRESSION 3.0 CR
PREREQUISITE: College-Level Reading

Examines the nature and structure of Film/Video expression, concentrating on the way directors, editors, and cinematographers use visual techniques to serve the narrative. Students watch films in their entirety, then analyze them for their lighting, composition, camera position, movement, lens, depth of field, use of screen space, and editing techniques.
Clock Hours: 45 (LEC)

FVM-164 - INTRODUCTION TO DIGITAL EDITING 3.0 CR

Covers digitizing, compression boards, inputting, outputting, and software integration, as well as the principles of nonlinear editing. Final projects are output to digital tape. This course is a prerequisite for FVM-215 for all students who have no digital editing experience.
Clock Hours: 45 (LEC)

FVM-250 - WRITING FOR BROADCAST MEDIA 3.0 CR

Introduction to the basic skills in developing and writing a feature screenplay or teleplay including conceptualization, genre conventions, act structure, scene construction, and character development combined with summarizing and describing written work through pitch sessions and assessing and discussing through writers' meetings. Students will create final projects working in teams (TV pilots/episodes) or as individuals (screenplays).
Clock Hours: 45 (LEC)

FVM-275 - SPECIAL TOPICS 1.0-12.0 CR

Offers a variety of courses on a one-time or experimental basis. Courses can include skills, production, or appreciation content.

Golf Club Management GCM

GCM-120 - GOLF MANAGEMENT I 3.0 CR

PREREQUISITE: College-Level Reading
An overview of the history, opportunities, and responsibilities in the golf profession; PGA history, purpose, and constitution; interpersonal skills; ball flight laws, principles, and professional terminology; golf cart fleet management.
Clock Hours: 45 (LEC)

GCM-150 - CONTEMPORARY CLUB MANAGEMENT 3.0 CR

PREREQUISITE: College-Level Reading
This course introduces students to the world of private club management. There are chapters on club boards of directors, service excellence in clubs, leadership in club operations, quality management systems for clubs, strategic management in clubs, club marketing, managing human resources in clubs, food and beverage operations in clubs, club financial management, club computer systems, golf operations in clubs, and club fitness operations.
Clock Hours: 45 (LEC)

GCM-160 - GOLF SHOP MANAGEMENT 3.0 CR

PREREQUISITE: GCM-120; Min. grade C-
The management, marketing, and accounting of the various types of golf retailing operations: private, public, and resort. Topics include the importance of and steps involved in business planning, financial forecasting, and budgeting.
Clock Hours: 45 (LEC)

GCM-240 - TOURNAMENT OPERATIONS & THE RULES OF GOLF. 3.0 CR

An in-depth study of the golf professional's responsibility in tournament operations including an in-depth study of the Rules of Golf and the decisions on the Rules of Golf.
Clock Hours: 45 (LEC)

GCM-260 - CLUB FITTING & CLUB REPAIRS 3.0 CR

A foundation course covering the golf professional's ability to custom fit and merchandise equipment. The course includes a practicum in club fitting and a "hands-on" approach to club repair and the completion of the Professional Golf Management Level 1 and 2 Picture Book.
Clock Hours: 22.5 (LEC) 45 (LAB)

GCM-287 - COOPERATIVE WORK EXPERIENCE 6.0 CR

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor will work with the student to select an appropriate work site, establish learning objectives, and to coordinate learning activities with the employer or work site supervisor.
Clock Hours: 270 (COOP)

Geography GEO

GEO-105 - WORLD REGIONAL GEOGRAPHY 3.0 CR

PREREQUISITE: College-Level Reading
Facilitates an understanding of spatial relationships between and among the geographic regions of the world. Includes demographic and cultural (political, economic, and historic) forces related to the physical environments of selected regions. Focuses on analysis of interrelationships between developed and developing regions and the interactions between human societies and natural environments.
Clock Hours: 45 (LEC)

GEO-106 - HUMAN GEOGRAPHY 3.0 CR

PREREQUISITE: College-Level Reading
Introduces geographic perspectives and methods with applications to the study of human activities. Emphasizes the distribution of humans, adjustments to the natural environment, and land use practices.
Clock Hours: 45 (LEC)

GEO-111 - PHYSICAL GEOGRAPHY 4.0 CR

PREREQUISITE: College-Level Reading
Introduces the principles of landforms as a major aspect of our natural environment. Incorporates an integrated process of lecture, discussion, and laboratory assignments.
Clock Hours: 45 (LEC) 30 (LAB)

GEO-112 - PHYSICAL GEOGRAPHY - WEATHER & CLIMATE 4.0 CR

Introduces the principles of meteorology, climatology, world vegetation patterns, and world regional climate classification. Incorporates an integrated process of lecture, discussion, and laboratory assignments and may be transferred to colleges and universities as a science credit.
Clock Hours: 45 (LEC) 30 (LAB)

* GEO-165 - HUMAN ECOLOGY 3.0 CR

PREREQUISITE: College-Level Reading

Provides a current outlook for the global environment, describing the threats imposed on different natural ecological systems. Enables the student to develop a set of intellectual tools and ways of thinking about the environment to evaluate for themselves how serious a given environmental problem will be.

Clock Hours: 45 (LEC)

GEO-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

German GER

GER-101 - CONVERSATIONAL GERMAN I 3.0 CR

Introduces beginning students to conversational German and focuses on understanding and speaking German. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel. *Prev. Course Codes: (GER-101A) (GER-101) (GER-035) (GER-135) Clock Hours: 45 (LEC)*

GER-102 - CONVERSATIONAL GERMAN II 3.0 CR

PREREQUISITE: GER-101(439); Min. grade C- Continues the sequence for students who wish to understand and speak German. Covers basic patterns, expressions, and grammar.

Clock Hours: 45 (LEC)

* GER-111 - GERMAN LANGUAGE I 5.0 CR

PREREQUISITE: College-Level Reading

Begins a sequence dealing with the development of functional proficiency in listening, speaking, reading, and writing the German language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prev. Course Codes: (GER-151) Clock Hours: 75 (LEC)

* GER-112 - GERMAN LANGUAGE II 5.0 CR

PREREQUISITE: GER-111; Min. grade C-

Continues German I in the development of functional proficiency in listening, speaking, reading, and writing the German language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prev. Course Codes: (GER-152) Clock Hours: 75 (LEC)

GER-211 - GERMAN LANGUAGE III 3.0 CR

PREREQUISITE: GER-112; Min. grade C-

Continues German I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the German language. Note: The order of the topics and the methodology will vary according to individual text and instructors.

Prev. Course Codes: (GER-251) Clock Hours: 45 (LEC)

GER-212 - GERMAN LANGUAGE IV 3.0 CR

PREREQUISITE: GER-211; Min. grade C-

Continues German I, II and III in the development of increased functional proficiency in listening, speaking, reading, and writing the German Language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prev. Course Codes: (GER-252) Clock Hours: 45 (LEC)

Geology GEY

GER-111 - PHYSICAL GEOLOGY 4.0 CR

PREREQUISITE: College-Level Reading

Studies the materials of the earth, its structure, surface features, and the geologic processes involved in its development. This course includes laboratory experience.

Clock Hours: 45 (LEC) 30 (LAB)

* GEY-120 - SNOW, ICE & AVALANCHE 3.0 CR

Introduces the formation and reactions of snow, ice, and avalanche conditions. Emphasis is on man's activities in alpine, arctic, glacial, and semi-glacial regions. Hazard potential and avoidance will be stressed.

Prev. Course Codes: (GEO-120) Clock Hours: 45 (LEC)

GER-121 - HISTORICAL GEOLOGY 4.0 CR

PREREQUISITE: GEY-111; Min. grade C-

Studies the physical and biological development of the earth through the vast span of geologic time. Emphasizes the investigation and interpretation of sedimentary rocks, the record of ancient environments, fossil life forms, and physical events, all within the framework of shifting crustal plates. Course includes laboratory experience.

Prev. Course Codes: (GEY-112) Clock Hours: 45 (LEC) 30 (LAB)

* GEY-135 - ENVIRONMENTAL GEOLOGY 3.0 CR

Introduces geology and its relationship to man's environment. Covers geologic hazards such as floods, landslides, avalanches, earthquakes, and volcanoes. Focuses on surface and groundwater resources in terms of exploitation and man's responsibility to protect these resources from contamination. The geologic aspects of land use practices, as well as mineral and energy resources exploitation, are reviewed and related to legislation regarding environmental law.

Clock Hours: 45 (LEC)

GEY-175 - SPECIAL TOPICS 1.0-6.0 CR

Presents students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

* GEY-205 - GEOLOGY OF COLORADO 3.0 CR

PREREQUISITE: College-Level Reading

Covers the geologic history of Colorado with emphasis on formation of mountain ranges, igneous, sedimentary and metamorphic rock types, ore deposits, and landforms. Incorporates field experience and/or class room lectures.

Prev. Course Codes: (GEY-270AA) (GLY-270AA) Clock Hours: 45 (LEC)

* GEY-208 - GEOLOGY FIELD TRIP 3.0 CR

PREREQUISITE: College-Level Reading

In-depth field studies into the geology of specific regions in the western United States. The course will focus on the application of field techniques and geologic principles during an extended trip to the area of study. The specific area of investigation will be indicated in the schedule of classes each time the course is offered.

Prev. Course Codes: (GEY-208A) (GEY-208B) (GEY-208C) (GEY-208A) (GEY-208) (GEY-208B) (GEY-208C) (GEY-208A) Clock Hours: 67.5 (LECLB)

Geographic Information Systems GIS

GIS-100 - GEOGRAPHIC INFORMATION SYSTEMS FUNDAMENTALS 1.0 CR

Provides information on the basic concepts of GPS (Global Positioning Systems) and GIS (Geographic Information Systems). Defines the two systems and explains the link from one to the other. Analyzes the different types of GPS Equipment and differentiates between their role in the GPS technology world. Provides information on the types of mapping systems available today and the necessary information to integrate GPS data.

Clock Hours: 15 (LEC)

GIS-101 - INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS 3.0 CR

Surveys the development and operation of automated geographic information systems. Focuses on the fundamentals of using computers to draw maps. Incorporates study of cartographic fundamentals such as map projections, map scales, selective display of data on maps, and various computer software applications in GIS.

Clock Hours: 30 (LEC) 30 (LAB)

GIS-110 - INTRODUCTION TO CARTOGRAPHY 3.0 CR

Examines a broad range of map types, emphasizing maps as a communication system with both symbology and specific organizational hierarchies. Discussion and demonstration focuses on essential cartographic principles and practices used for designing maps, with emphasis on cartographic protocol resulting in the effective communication of both qualitative and quantitative information.

Clock Hours: 30 (LEC) 30 (LAB)

GIS-131 - GLOBAL POSITIONING SYSTEMS FOR GEOGRAPHIC INFORMATION SYSTEMS 3.0 CR

Introduces the terminology, hardware, and technological principles of GPS. Students will receive an introduction in the fundamentals of using a basic hand-held GPS unit. Data will be integrated with pre-existing spatial data. Fundamentals of mapping and map reading will be covered. Garmin GPS units will be used initially, followed with Trimble GeoExplorers and Pathfinder Office software. Final student projects integrate GPS data within ArcView projects.

Clock Hours: 30 (LEC) 30 (LAB)

GIS-160 - GIS GUIDED FIELD STUDY 2.0 CR

Incorporates 45 hours of field study in GIS. Enables the student to work with a local agency/company on an actual GIS project. This hands-on experience enhances the course work and gives the student the inside view of the GIS industry.

Clock Hours: 60 (LAB)

GIS-210 - INTERMEDIATE GIS 3.0 CR

Builds upon the spatial analysis principles and concepts of GIS-120. Students work with more advanced analytical tools and develop skills in spatial problem solving.

Clock Hours: 30 (LEC) 30 (LAB)

GIS-212 - REMOTE SENSING & DIGITAL IMAGE PROCESSING 4.0 CR

PREREQUISITE: College-Level Reading

Introduces students to basic concepts and procedures used in the processing of remotely-sensed data, with an emphasis on integration of digital imagery into basic GIS applications.

Clock Hours: 30 (LEC) 60 (LAB)

GIS-275 - SPECIAL TOPICS

1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Holistic Health Professional HHP

* HHP-107 - MANAGING LIFE'S STRESSES

1.0 CR

Work with energy, confidence, and enthusiasm in your life by learning specific skills that will give you control over stressful situations or people in your life. This experiential class is designed for all who are interested in a higher quality of life and want to reach their full potential. Learn how to relax quickly, improve self-image, improve concentration, and how to control worry. You can experience freedom from old patterns that create stress, fatigue, and restricting beliefs.
Clock Hours: 15 (LEC)

HHP-161 - MEDITATION FOR HEALTH

1.0 CR

Incorporates the practice of fundamental techniques for training your mind to be quiet and peaceful; to focus your thoughts on what you choose; to stimulate the mind-body conversation to enhance your own health.
Clock Hours: 15 (LEC)

* HHP-221 - HIGH LEVEL WELLNESS

1.0 CR

Explores the positive dimensions of healthy lifestyles and covers the techniques to meet the basic needs of illness, prevention, and burnout.
Clock Hours: 15 (LEC)

HHP-224 - INTRODUCTION TO MASSAGE THERAPY

1.0 CR

Teaches hands-on techniques to complete a full-body massage along with integration of healing touch. Swedish massage techniques and basic foot reflexology combined with a complete energy balance are performed and experienced by each student.
Prev. Course Codes: (HSC-175) Clock Hours: 22.5 (LECLB)

* HHP-265 - GIFT OF SELF-ESTEEM

1.0 CR

Explores self-talk, self-appreciation, self-responsibility, belief, and expectations; and provides tools for increasing personal power.
Clock Hours: 15 (LEC)

* HHP-267 - LIVING WITHOUT LIMITS

.5 CR

Focuses on the steps which can be taken to clarify goals, get support for challenges, and act effectively to accomplish one's life dreams.
Clock Hours: 7.5 (LEC)

History HIS

HIS-101 - WESTERN CIVILIZATION: ANTIQUITY-1650

3.0 CR

PREREQUISITE: College-Level Reading
Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from the prehistoric era to 1650. Reflects the multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.
Prev. Course Codes: (HIS-152) Clock Hours: 45 (LEC)

HIS-102 - WESTERN CIVILIZATION: 1650-PRESENT

3.0 CR

PREREQUISITE: College-Level Reading
Explores a number of events, peoples, groups, ideas, institutions, and trends that have shaped Western Civilization from 1650 to the present. Reflects the

multiple perspectives of gender, class, religion, and ethnic groups. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in this discipline.

Prev. Course Codes: (HIS-152) Clock Hours: 45 (LEC)

HIS-111 - THE WORLD: ANTIQUITY-1500

3.0 CR

PREREQUISITE: College-Level Reading
Enables the student to view history up to 1500 CE in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders, to provide a better appreciation for different cultures.
Clock Hours: 45 (LEC)

HIS-112 - THE WORLD: 1500-PRESENT

3.0 CR

PREREQUISITE: College-Level Reading
Enables students to view history post 1500 CE in a broad global sense. Focuses on the common denominators among all people. This approach goes beyond political borders to provide a better appreciation for different cultures.
Clock Hours: 45 (LEC)

HIS-175 - SPECIAL TOPICS

1.0-5.0 CR

PREREQUISITE: College-Level Reading
Focuses on the exploration of current topics, issues, and activities related to one or more aspects of history.
Clock Hours: 15 (LEC)

HIS-201 - US HISTORY TO RECONSTRUCTION

3.0 CR

PREREQUISITE: College-Level Reading
Explores events, trends, peoples, groups, cultures, ideas, and institutions in North America and United States history, including the multiple perspectives of gender, class, and ethnicity, between the period when Native American Indians were the sole inhabitants of North America, and the American Civil War. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.
Prev. Course Codes: (HIS-251) Clock Hours: 45 (LEC)

HIS-202 - US HISTORY SINCE THE CIVIL WAR

3.0 CR

PREREQUISITE: College-Level Reading
Explores events, trends, peoples, groups, cultures, ideas, and institutions in United States History, including the multiple perspectives of gender, class, and ethnicity, from the American Civil War to the present. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.
Prev. Course Codes: (HIS-252) Clock Hours: 45 (LEC)

* HIS-205 - WOMEN IN WORLD HISTORY

3.0 CR

PREREQUISITE: College-Level Reading
Examines the roles, experiences, and contributions of women in world history and explores ways in which women's history modifies the traditional interpretations of historical events.
Clock Hours: 45 (LEC)

* HIS-207 - AMERICAN ENVIRONMENTAL HISTORY

3.0 CR

PREREQUISITE: College-Level Reading
Traces and analyzes the relationships between Americans and their natural environments throughout the history of the United States. Environmental history interprets the changing ways diverse people have used and viewed their environments over time. Examines the development of conservation movements and environmental policies in modern America.
Clock Hours: 45 (LEC)

HIS-208 - AMERICAN INDIAN HISTORY

3.0 CR

PREREQUISITE: College-Level Reading
Analyzes historical and socio-cultural change for Native Americans from pre-colonial America to the present, emphasizing those processes and relations with non-Native Americans which have contributed to the current conditions.
Clock Hours: 45 (LEC)

HIS-215 - WOMEN IN U.S. HISTORY

3.0 CR

PREREQUISITE: College-Level Reading
Examines women's changing roles in American history from the pre-colonial native population to the present. Emphasizes the nature of women's work and the participation of women in the family, political, religious, and cultural activities and in social reform movements.
Clock Hours: 45 (LEC)

HIS-225 - COLORADO HISTORY

3.0 CR

PREREQUISITE: College-Level Reading
Presents the story of the people, society, and cultures of Colorado from its earliest Native Americans, through the Spanish influx, the explorers, the fur traders and mountain men, the gold rush, railroad builders, the cattlemen and farmers, the silver boom, the tourists, and the modern state.
Clock Hours: 45 (LEC)

HIS-236 - U.S. HISTORY SINCE 1945

3.0 CR

PREREQUISITE: College-Level Reading
Focuses on the major political, economic, social, and cultural developments that have shaped modern America.
Clock Hours: 45 (LEC)

HIS-243 - HISTORY OF MODERN CHINA

3.0 CR

PREREQUISITE: College-Level Reading
This course traces the political, ideological, economic, religious, social, and cultural developments of modern China from the Qing dynasty through the political and economic revolutions of the 20th century.
Clock Hours: 45 (LEC)

HIS-244 - HISTORY OF LATIN AMERICA

3.0 CR

PREREQUISITE: College-Level Reading
Focuses on the major political, economic, social, and cultural influences that have shaped Latin America from pre-European conquest to the present. Emphasizes the early history of Latin America but connects it to the present.
Clock Hours: 45 (LEC)

HIS-245 - U.S. IN THE WORLD

3.0 CR

PREREQUISITE: College-Level Reading
This course focuses on major themes of United States history in the context of worldwide historical phenomena including global contacts and exchange, colonial frontiers and international trade, America's influence on the age of revolutions, industrialization and movement of populations, urbanization and rural change, and expansion of state power and rise of social movements. Through readings and discussions on problems in political, social, public, and personal history students will gain an understanding of historical processes and methodology and will learn how to use critical historical analysis in order to achieve a greater perspective on the U.S.'s role in world history.
Clock Hours: 45 (LEC)

HIS-247 - 20TH CENTURY WORLD HISTORY 3.0 CR**PREREQUISITE:** *College-Level Reading*

Investigates the major political, social, and economic developments, international relationships, scientific breakthroughs, and cultural trends that have shaped the various global regions and nation-states from 1900 to the present. Emphasizes the interactions of global regions and nation-states.

*Clock Hours: 45 (LEC)***HIS-255 - THE MIDDLE AGES 3.0 CR****PREREQUISITE:** *College-Level Reading*

Focuses on political, social, cultural, economic, and intellectual developments in Europe, Byzantium, and the Islamic world from the collapse of Rome through the Renaissance, approximately A.D. 400-1400.

*Clock Hours: 45 (LEC)***HIS-260 - US FOREIGN RELATIONS 3.0 CR****PREREQUISITE:** *College-Level Reading*

Provides an overview of the history of United States foreign relations from the colonial era to the present and includes the pertinent political, military, economic, diplomatic, social, religious, ideological, and cultural topics. At various points, issues such as race, class, gender, immigration, expansion, and the environment will be covered. This course also focuses on developing, practicing and strengthening the skills historians use while constructing knowledge in the discipline.

*Clock Hours: 45 (LEC)***HIS-275 - SPECIAL TOPICS 1.0-5.0 CR****PREREQUISITE:** *College-Level Reading*

Focuses on the exploration of current topics, issues, and activities related to one or more aspects of history.

Clock Hours: 15 (LEC)

Horticulture HLT

HLT-243 - GOLF TURF MANAGEMENT 3.0 CR**PREREQUISITE:** *HLT-242 AGY-240; Min. grade C-*

Discusses all aspects of golf course turfgrass management. Students will be introduced to the design, construction, and cultural requirements of putting greens, tees, fairways, bunkers, and roughs. The course will also address pests and stresses unique to turfgrass in a golf setting, golf course irrigation systems, maintenance equipment, financial management, and the use of golfcourses as wildlife habitat.

Clock Hours: 45 (LEC)

Resort Management HOS

HOS-110 - INTRODUCTION TO HOSPITALITY 3.0 CR

Introduces learners to careers and the organization and structure of the hospitality industry including: hotels, restaurants, non-commercial food service, travel and tourism, conventions and meetings, clubs, and other food service entities. Topics include exploring career opportunities, understanding the world of hotels and restaurants, food service organizational structures, an introduction to the meetings industry, and analyzing the size and scope of the non-commercial foods segment.

*Prev. Course Codes: (RMA-100) (RMA-010) (RMA-110) Clock Hours: 45 (LEC)***HOS-115 - INTRODUCTION TO SPA MANAGEMENT 3.0 CR**

Introduces learners to the history, organization, and careers in the spa industry. Topics include exploring the benefits of spas and healthy lifestyles, traditions and treatments affiliated with spas, the business and philosophy of spas, the historical and cultural development of spas, spa terminology, industry trends, future directions, and career opportunities in the spa community.

*Clock Hours: 45 (LEC)***HOS-116 - SPA RETAILING 3.0 CR**

This course is designed to educate and train spa professionals in the art and science of retail. The course will prepare students for the ISPA Retail Management for Spas exam. Students will be provided with business tools for growth, demand and change of the spa industry; and use informational tools and resources on subjects such as retail, financial management, compensation, consumer and industry research and trends, and standard operating procedures and management skills. Other topics include: retail strategies, planning, management, and administration; inventory purchasing and management; evaluating the financial performance of a spa; concepts of sales and service; visual merchandising; developing a timeline for the opening of a spa retail program; and determining the cost of sales in

*Clock Hours: 45 (LEC)***HOS-139 - HOUSEKEEPING MANAGEMENT 2.0 CR**

The basics of housekeeping management will be introduced in this course. Management functions, tools, and practices essential for supervision of the housekeeping department of a resort or hotel facility will be presented.

*Prev. Course Codes: (HOS-141) (RMA-120) (RMA-058) (RMA-228) Clock Hours: 30 (LEC)***HOS-140 - FRONT OFFICE PROCEDURES 2.0 CR**

A systematic approach to front office procedures is presented by detailing the flow of business through a hotel beginning with the reservation process and ending with billing and collection processes. This course also places front office procedures within the context operation of a hotel and examines front office management, the process of handling complaints and concerns regarding hotel safety.

*Prev. Course Codes: (RMA-110) (RMA-021) (RMA-121) Clock Hours: 30 (LEC)***HOS-148 - INTRODUCTION TO FOOD & BEVERAGE MANAGEMENT 3.0 CR**

A marketing-focused approach to the challenges a food and beverage manager faces in developing a solid customer base is presented in this course. Topics include principles of food production and service management, including menu planning, purchasing, storage, beverage management, and food service layout and equipment. Students will prepare a plan for a food service facility.

*Prev. Course Codes: (RMA-148) (RMA-146) (RMA-147) (RMA-052) (RMA-052L) (RMA-222) (RMA-222L) (RMA-222) Clock Hours: 45 (LEC)***HOS-175 - SPECIAL TOPICS 1.0-6.0 CR**

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

*Prev. Course Codes: (RMA-270BB) (RMA-270BC) (RMA-270BW) (RMA-270BC) (RMA-270BB)***HOS-210 - TOURISM AND THE HOSPITALITY INDUSTRY 2.0 CR**

Tourism is an activity that takes place when people leave home to travel to another location. The business of tourism is the business of encouraging and taking care of the needs of people engaged in this kind of activity. This course assists students and businesses alike in understanding how tourism works and how it can be made to work for them, their business, and their destination.

*Prev. Course Codes: (RMA-210) (RMA-016) (RMA-116) Clock Hours: 30 (LEC)***HOS-215 - TRAINING AND DEVELOPMENT 3.0 CR**

The principles, procedures, and skills needed to develop and maintain a competent staff will be taught in this course. Learn to apply an easy, four-step training method to all hospitality functional areas.

*Prev. Course Codes: (RMA-215) (RMA-057) (RMA-227) Clock Hours: 45 (LEC)***HOS-216 - CONVENTION MANAGEMENT AND SERVICES 3.0 CR**

By defining the scope and various segments of the convention market, this course describes what is required to meet individual needs. Methods and techniques that lead to better convention service will be covered.

*Prev. Course Codes: (RMA-216) (RMA-217) (RMA-061) (RMA-061L) (RMA-231) (RMA-231L) (RMA-231) Clock Hours: 45 (LEC)***HOS-219 - HOSPITALITY LAW 3.0 CR****PREREQUISITE:** *College-Level Reading*

This course explores laws and regulations affecting the U.S. hospitality industry with many examples and case histories. Topics include protecting guests, loss of property, wages and hours, labor relations, worker's compensation, franchising, and the Internet. This course is NOT recommended for international students, as it focuses solely on U.S. legal issues.

*Clock Hours: 45 (LEC)***HOS-220 - RESORT PLANNING 3.0 CR**

The operation of resort properties including planning, development, financing, investing, and marketing are topics of this course. Condominiums, time sharing, technological change, energy cost, and transportation are examined.

*Prev. Course Codes: (RMA-220) (RMA-062) (RMA-232) Clock Hours: 45 (LEC)***HOS-221 - BASIC HOTEL & RESTAURANT ACCOUNTING 3.0 CR**

This course will help you develop a basic understanding of hotel and restaurant accounting procedures, with a focus on the computerized accounting used in today's hospitality accounting situations. You'll learn about taxation of business income, the role of governmental agencies, and how to read and analyze financial statements.

*Clock Hours: 45 (LEC)***HOS-226 - SUPERVISION IN THE HOSPITALITY INDUSTRY 3.0 CR**

This course teaches the skills that can help you develop effective supervision and management skills that are essential to success in the industry. Topics include how to recruit, select, and train; increase productivity; control labor costs; communicate effectively; manage conflict and change; and use time management techniques. Resources on creating a professional development plan for your hospitality career can help you set the direction for future educational and professional endeavors.

Clock Hours: 45 (LEC)

HOS-231 - RESORT FACILITIES MANAGEMENT & DESIGN 3.0 CR

Covers all major facility systems, including food service equipment and design. Non-engineers can learn how to understand and speak the language of vendors, suppliers, and maintenance/ engineering staff. You'll also learn techniques to reduce expenses and increase efficiency, and also learn the latest technology to streamline operations procedures. A discussion of how hotel operations are affected by the United Nations' environmental guidelines will provide information on balancing the needs of guests with concern for the environment.

Prev. Course Codes: (HOS-281) Clock Hours: 45 (LEC)

HOS-240 - PURCHASING & MENU PLANNING 3.0 CR

Introduces the world of food service purchasing. The course initially provides the learner with an overview of the purchasing cycle and describes how to place and receive orders following procedures defined in the marketplace. The course describes the impact of innovative packaging processing on foods, describes the effect technology has on the present food service menu, and discusses concepts that impact the future.

Clock Hours: 45 (LEC)

HOS-242 - HOTEL SALES AND MARKETING 3.0 CR

Focuses on the basic elements of sales, marketing, rooms merchandising, convention planning, and basic food and beverage knowledge. The course emphasizes the relationship between the sales philosophy, the guest, and the hotel.

Prev. Course Codes: (RMA-141) (RMA-022) (RMA-122) Clock Hours: 45 (LEC)

HOS-246 - MARKETING HOSPITALITY SERVICES 3.0 CR

A sound marketing planning process, carefully followed, can increase a property's profit. Marketing techniques of selected properties, the general marketing approaches of the major chains, and ways to develop a marketing plan for hotel and motel properties will be presented in this course.

Prev. Course Codes: (RMA-246) (RMA-247) (RMA-063) (RMA-063L) (RMA-223) (RMA-223L) (RMA-223) Clock Hours: 45 (LEC)

HOS-250 - FOOD, BEVERAGE AND LABOR COST CONTROL 3.0 CR

Introduces the student to concepts of food, beverage, and labor cost control in the hospitality business.

Prev. Course Codes: (RMA-241) (RMA-054) (RMA-224) Clock Hours: 45 (LEC)

HOS-255 - HUMAN RESOURCE MANAGEMENT 3.0 CR

Studies the technical and legal challenges of hospitality human resource management from working within today's employment laws to controlling absenteeism, dealing with unions, handling discipline and termination, and creating affordable wages and benefit programs. Explores controlling costs, increasing motivation and productivity, and how to find and keep good employees.

Prev. Course Codes: (RMA-255) (RMA-070) Clock Hours: 45 (LEC)

HOS-256 - QUALITY ASSURANCE MANAGEMENT 3.0 CR

Advocates the principles of Participation Management which provides managers, supervisors, and employees the system to increase the profitability and productivity of lodging and food operations. Enables staff and management to work in an environment of complete understanding, thereby creating the quality of service desirable for guests.

Prev. Course Codes: (RMA-250) (RMA-064) Clock Hours: 45 (LEC)

HOS-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

HOS-287 - WORK EXPERIENCE I 3.0 CR

Provides work experience for students to gain practical work experience related to their educational program.

Prev. Course Codes: (RMA-130C) (RMA-030C) (RMA-130C) Clock Hours: 135 (COOP)

HOS-289 - WORK EXPERIENCE II 3.0 CR

The student will obtain specialized skills through on-the-job training related to the student's desired vocational interest and goals. The student will work at least eight hours per week and consult an additional one hour per week with the instructor.

Prev. Course Codes: (RMA-230C) (RMA-060C) (RMA-230C) Clock Hours: 135 (COOP)

Historic Preservation Program

HPP

HPP-100 - INTRODUCTION TO HISTORIC PRESERVATION 3.0 CR

PREREQUISITE: *College-Level Reading*
Surveys the historical antecedents of the Historic Preservation Movement in America and introduces its theoretical foundations.

Clock Hours: 45 (LEC)

HPP-110 - HISTORIC RESEARCH & DOCUMENTATION 3.0 CR

PREREQUISITE: *College-Level Reading*
Introduces the research and documentation methodologies for recordation and recognition of historic cultural resources.

Clock Hours: 67.5 (LECLB)

HPP-112 - INTRODUCTION TO HABS/HAER/HALS 2.0 CR

Introduces students to the Historic American Building Survey (HABS), Historic American Engineering Record (HAER), and Historic American Landscape Survey (HALS) documentation programs administered by the National Park Service. It includes the program(s) functions, achievements, goals, and documentation methods.

Clock Hours: 45 (LECLB)

HPP-113 - HABS/HAER/HALS DOCUMENTATION 3.0 CR

Introduces students to the Historic American Building Survey, Historic American Engineering Record, and Historic American Landscape Survey documentation program(s) administered by the National Park Service. It includes the program(s) functions, achievements, goals, and documentation methods culminating in the development of a HABS, HAER, or HALS project and submission to the National Park Service for acceptance and archival in the Library of Congress.

Clock Hours: 90 (LAB)

HPP-120 - DYNAMICS OF HISTORIC PRESERVATION: LAW, BUSINESS, & ECONOMICS 3.0 CR

PREREQUISITE: *College-Level Reading*
Explores the legal, business, and economic context of historic preservation. Issues on preservation legislation, real estate development, zoning, entrepreneurship, economic incentives, and planning are addressed.

Clock Hours: 45 (LEC)

HPP-175 - SPECIAL TOPICS 1.0-6.0 CR

PREREQUISITE: *College-Level Reading*
Provides students with a vehicle to pursue special topics of interest in historic preservation. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

HPP-275 - SPECIAL TOPICS 1.0-6.0 CR

PREREQUISITE: *College-Level Reading*
Provides students with a vehicle to pursue special topics of interest in historic preservation. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

Health Professional HPR

HPR-102 - CPR FOR PROFESSIONALS (LIST CERTIFICATION) .5 CR

Meets the requirements for American Red Cross Professional Rescuer CPR or American Heart Association Basic Life Support for those who work in emergency services, health care, and other professional areas. Material presented in the course is basic patient assessment, basic airway management, rescue breathing, and CPR for infant, child, and adult patients.

Prev. Course Codes: (EFA-119) (EFA-018) Clock Hours: 9 (LECLB)

HPR-103 - CPR FOR PROFESSIONALS RENEWAL .5 CR

Provides opportunity for currently certified CPR providers to renew certificates. Note: current healthcare provider CPR card required.

Clock Hours: 7.5 (LEC)

HPR-106 - LAW & ETHICS FOR HEALTH PROFESSIONALS 2.0 CR

PREREQUISITE: *College-Level Reading*
Introduces students to the study and application of medico-legal concepts in medical careers. This course seeks to establish a foundation for ethical behavior and decision-making in health professions.

Clock Hours: 30 (LEC)

HPR-108 - DIETARY NUTRITION 1.0 CR

PREREQUISITE: *HWE-100; Min. grade C*
Studies the basic principles in clinical practice involved in the assistance of health care. The course will cover factors which influence the nutritional status of individuals, methods of nutritional assessment and support, and diet modification for specific disease states.

Clock Hours: 15 (LEC)

HPR-115 - INTRODUCTION TO NUTRITION 2.0 CR

This course is an introduction to nutrition. Students will receive an overview of the essential nutrients of human nutrition and an introduction to medical nutritional support modalities.

Clock Hours: 30 (LEC)

HPR-120 - ACLS 1.0 CR

Presents the required material for ACLS (Advanced Cardiac Life Support) completion. It will cover arrhythmias, medications, therapeutic modalities for life threatening arrhythmias, airway management, and other treatment modalities used in cardiac and respiratory arrest.

Prev. Course Codes: (EMS-210) (EMT-210) Clock Hours: 15 (LEC)

HPR-125 - OUTDOOR EMERGENCY CARE 4.0 CR

PREREQUISITE: *College-Level Reading*
Prepares the student without previous first aid training to handle the emergency care problems seen at alpine and nordic ski areas. The knowledge and skills are oriented toward the wilderness setting with special emphasis on ski and snowboard injuries, altitude and cold weather illnesses, wilderness extrications, and the special equipment ski patrollers need for emergency care and transportation in the outdoor environment. This is a National Ski Patrol course.

Prev. Course Codes: (HWE) (125) Clock Hours: 30 (LEC) 60 (LAB)

HPR-126 - OUTDOOR EMERGENCY CARE REFRESHER .5 CR
PREREQUISITE: HPR-125; *Min. grade C-*
 Provides for maintenance of a uniform skill level and acts as a means of national recertification for Winter Emergency Care.
Prev. Course Codes: (EFA-121) (EFA-020) Clock Hours: 11.5 (LEC)

* **HPR-178 - MEDICAL TERMINOLOGY 1.0-4.0 CR**
PREREQUISITE: *College-Level Reading*
 Introduces the student to the structure of medical terms with emphasis on combining and using the most common prefixes, roots, and suffixes. Includes terms related to major body systems, oncology, and psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. Class structure provides accepted pronunciation of terms and relative use in the healthcare setting.
Prev. Course Codes: (HSC-120) (HSC-121) (HSC-123)

HPR-190 - BASIC EKG INTERPRETATION 2.0 CR
 Provides instruction for interpretation of EKG strips, anatomy and physiology of the heart, using three-lead monitoring as a guide. Twelve-lead EKG may be discussed.
Clock Hours: 30 (LEC)

Humanities HUM

* **HUM-103 - INTRODUCTION TO FILM ART 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Studies the relationship among film's stylistic systems, narrative systems, and audiences reception. Students view, discuss and critically analyze a variety of films which represent a key variety of genres and themes. The course incorporates the vocabulary stylistic systems (for instance, cinematography, editing and art direction) and narrative systems (for instance, story structure and character motivation) as both relate to the kinds of meanings a film conveys. Note: Requires college level reading.
Prev. Course Codes: (HUM-134) (HUM-165) Clock Hours: 45 (LEC)

📖 **HUM-115 - WORLD MYTHOLOGY 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Introduces students to the mythologies of various cultures. Common themes are illustrated and an interdisciplinary approach is used incorporating some of the following: religion, philosophy, art history, theater, literature, music, cultural studies, and history.
Prev. Course Codes: (HUM-145) Clock Hours: 45 (LEC)

📖 **HUM-121 - EARLY CIVILIZATIONS 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Introduces students to the history of ideas that have defined cultures through a study of the visual arts, literature, drama, music, and philosophy. It emphasizes connections among the arts, values, and diverse cultures, including European and non-European, from the Ancient world to 1000 C.E. This course is one of the statewide Guaranteed Transfer courses.
Prev. Course Codes: (HUM-150) Clock Hours: 45 (LEC)

📖 **HUM-122 - FROM MEDIEVAL TO MODERN 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Examines written texts, visual arts, and musical compositions to analyze and reflect the evolution and confluence of cultures in Europe, Asia, and the Americas from 800 C.E. to 1750 C.E. Any two of the three Survey

of Humanities courses equal a sequence. This course is one of the statewide Guaranteed Transfer courses.
Prev. Course Codes: (HUM-151) Clock Hours: 45 (LEC)

📖 **HUM-123 - THE MODERN WORLD 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Examines the cultures of the 17th through the 20th centuries by focusing on the interrelationships of the arts, ideas, and history. Considers the influences of industrialism, scientific development, and non-European peoples. This course is one of the statewide Guaranteed Transfer Courses.
Prev. Course Codes: (HUM-152) Clock Hours: 45 (LEC)

* **HUM-137 - WILDERNESS & THE AMERICAN ETHIC 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Presents historical and ethical views of the wilderness. Topics include the history of the wilderness movement and ways contemporary views of nature have shaped man's association with the wilderness.
Prev. Course Codes: (HUM-170) Clock Hours: 45 (LEC)

* **HUM-164 - AMERICAN CINEMA 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Introduces film studies and surveys the American film industry as an art form, as an industry, and as a system of representation and communication. This course explores how Hollywood films work technically, aesthetically, and culturally to reinforce and challenge America's national self image.
Clock Hours: 45 (LEC)

HUM-175 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue in depth exploration of special topics of interest.

HUM-275 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Health & Wellness HWE

* **HWE-100 - HUMAN NUTRITION 3.0 CR**
 Introduces basic principles of nutrition with emphasis on personal nutrition. Satisfies nutrition requirement of students entering health care professions.
Prev. Course Codes: (BIO-132) Clock Hours: 45 (LEC)

HWE-101 - CARDIO-PULMONARY RESUSCITATION .5 CR
 Teaches emergency procedures for respiratory, obstructed airway, and cardiac arrest victims of all ages. It meets certification requirements of the American Red Cross, the American Heart Association, Medic First Aid, or ASHI.
Prev. Course Codes: (EFA-124A) (EFA-024A) (EFA-024) (EFA-117E) Clock Hours: 8 (LECLB)

HWE-102 - CARDIO-PULMONARY RESUSCITATION (CPR) RECERTIFICATION .5 CR
 Reviews CPR for those whose CPR card is due but not expired. Student must provide a copy of current CPR certification. Recertification can be done for Professional Rescuer, Community, Adult, Child and Infant CPR.
Clock Hours: 9 (LEC)

HWE-103 - COMMUNITY FIRST AID AND CPR .5 CR
 Prepares the student for certification in CPR and basic first aid. Skills will include basic life support, airway obstruction, control of bleeding, shock, and patient care for the unconscious.
Prev. Course Codes: (PED-125A) Clock Hours: 9 (LECLB)

HWE-106 - INFANT & CHILD CPR/FIRST AID .5 CR
 Emphasis on the skills needed to recognize and respond calmly to childhood emergencies and to help prevent childhood accidents. Topics include primary assessment, airway obstructions, infant and child CPR, control of bleeding, illness assessment, sudden illness, motor vehicle safety, injury assessment, burns, fractures, wounds, child abuse, hypothermia, and communication.
Prev. Course Codes: (HWE-113) (HWE-112) (EFA-110) (EFA-010) Clock Hours: 8 (LECLB)

* **HWE-111 - HEALTH & FITNESS 3.0 CR**
PREREQUISITE: *College-Level Reading*
 Studies health and fitness in the U.S. today. The course will look at personal health issues, managing stress, nutrition, and healthy life styles.
Prev. Course Codes: (PED-171) Clock Hours: 45 (LEC)

HWE-115 - MEDIC FIRST AID .5 CR
 This course will acquaint the students with CPR and the basic skills of first aid. Skills will include basic life support, airway obstruction, control of bleeding, shock, and patient care for the unconscious.
Prev. Course Codes: (EFA-110) (EFA-010) (EFA-110) (HWE-112) Clock Hours: 8 (LECLB)

HWE-116 - PEDIATRIC MEDIC FIRST AID .5 CR
 Emphasis on the skills needed to recognize and respond confidently and calmly to childhood emergencies and to help prevent childhood accidents. Topics include primary assessment, airway obstructions, infant and child CPR, control of bleeding, illness assessment, sudden illness, motor vehicle safety, injury assessment, burns, fractures, wounds, child abuse, hypothermia, and communication.
Prev. Course Codes: (EFA-116) (EFA-015B) (HWE-113) Clock Hours: 8 (LEC)

HWE-120 - WILDERNESS FIRST AID 1.0 CR
 Provides limited medical information to cope with basic wilderness emergencies. Note: Requires current CPR card.
Clock Hours: 15 (LEC)

HWE-129 - WILDERNESS FIRST RESPONDER 4.0 CR
 This course provides the student with those skills and emergency medical care techniques used by guides, trip leaders and others providing primary care in backcountry setting. The student will be able to respond correctly to those medical and trauma situations commonly encountered when entry into the EMS system is delayed or unlikely.
Prev. Course Codes: (EFA-145) Clock Hours: 45 (LEC) 30 (LAB)

HWE-130 - WILDERNESS FIRST RESPONDER REFRESHER 1.0 CR
 Meets the standards for recertification of a Wilderness First Responder certification. Topics to be included are CPR, patient assessment, trauma, medical, and environmental emergencies. This course is required to maintain a current Wilderness First Responder certification, which must be recertified every three years.
Clock Hours: 22.5 (LECLB)

HWE-175 - SPECIAL TOPICS .5-6.0 CR
Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

* **HWE-245 - PHYSIOLOGY OF EXERCISE** 3.0 CR
PREREQUISITE: BIO-201 BIO-202; Min. grade C-

Introduces the student to the physiological responses and adaptations of individuals to exercise as well as the application to sports medicine, rehabilitation, and general fitness. The laboratory provides experiences that demonstrate the underlying theoretical constructs that govern physiological responses and adaptations to exercise.

Prev. Course Codes: (PED-250) Clock Hours: 67.5 (LECLB)

Industrial Maintenance IMA

IMA-244 - VALVE MAINTENANCE & INSTRUMENTATION 4.0 CR
Identifies and familiarizes students with specific advanced subjects of industrial process valve maintenance and instrumentation. The study includes calibration, configuration, troubleshooting, and use of valves with instrumentation. The course also discusses the concepts of contemporary plant control systems and commonly-used industrial process measurement and control communication protocols and topologies related to valve control. The course will cover maintenance and operation of gate, the globe, ball, plug, check, and special-purpose valves. The course details actuators and various accessories related to valve maintenance and control and explains valve selection based on application. A major paper and associated lab project will be required for completion.

Prev. Course Codes: (PRO-244) Clock Hours: 90 (LECLB)

Interior Design IND

IND-118 - INTERIOR FINISHES 2.0 CR
Introduction to interior finish materials used as a means of functional and aesthetic application by the interior designer. Develop skills to specify appropriate materials, estimate quantities, develop costs, and understand installation and removal associated with residential and commercial finishes, with a focus on sustainability.

Clock Hours: 45 (LECLB)

Italian ITA

ITA-101 - CONVERSATIONAL ITALIAN I 3.0 CR
Provides the first course in a sequence for beginning students who wish to understand and speak Italian. The material includes basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

Clock Hours: 45 (LEC)

ITA-102 - CONVERSATIONAL ITALIAN II 3.0 CR
PREREQUISITE: ITA-101; Min. grade C-

Provides the second course in a sequence for students who wish to understand and speak Italian. The material continues to cover basic conversational patterns, expressions, and grammar.

Clock Hours: 45 (LEC)

* **ITA-111 - ITALIAN LANGUAGE I** 5.0 CR

PREREQUISITE: College-Level Reading

Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading, and writing in the Italian language. Note: the order of the topics and methodology will vary according to individual texts and instructors.

Clock Hours: 75 (LEC)

* **ITA-112 - ITALIAN LANGUAGE II** 5.0 CR

PREREQUISITE: ITA-111; Min. grade C-

Continues Italian Language I in the development of functional proficiency in listening, speaking, reading, and writing the Italian language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

Clock Hours: 75 (LEC)

📖 **ITA-211 - ITALIAN LANGUAGE III** 3.0 CR

PREREQUISITE: ITA-112; Min. grade C-

Continues Italian Language I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the Italian language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

Clock Hours: 45 (LEC)

📖 **ITA-212 - ITALIAN LANGUAGE IV** 3.0 CR

PREREQUISITE: ITA-211; Min. grade C-

Continues Italian Language I, II, and III in the development of increased functional proficiency in listening, speaking, reading, and writing the Italian language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

Clock Hours: 45 (LEC)

Journalism JOU

📖 **JOU-105 - INTRODUCTION TO MASS MEDIA** 3.0 CR

PREREQUISITE: College-Level Reading

Places the mass media in an historical and cultural perspective, considering the validity, integrity, and influence of the media in a democracy. Note: Requires college level reading.

Clock Hours: 45 (LEC)

* **JOU-106 - FUNDAMENTALS OF REPORTING** 3.0 CR

PREREQUISITE: College-Level Reading

Introduces news writing, reporting, and interviewing with an emphasis on clarity, accuracy, completeness, timeliness, and fairness.

Prev. Course Codes: (JRN-110) (JRN-151) Clock Hours: 45 (LEC)

* **JOU-121 - PHOTOJOURNALISM** 3.0 CR

PREREQUISITE: College-Level Reading

Provides an introductory, hands-on course in black-and-white photography, with an emphasis on photojournalistic techniques, processing, and printing. This course includes an investigation of word/picture relationships in creating photo essays for publications.

Clock Hours: 45 (LEC)

* **JOU-215 - PUBLICATIONS PRODUCTION AND DESIGN** 3.0 CR

PREREQUISITE: ENG-121; Min. grade C-

Provides for student participation in the planning, writing, design, and production processes of a non-newspaper publication.

Clock Hours: 45 (LEC)

* **JOU-280 - INTERNSHIP** 3.0-5.0 CR

PREREQUISITE: College-Level Reading

Provides a structured and guided, individualized research that is organized and tailored around the interests and needs of the individual student who may use journalism skills and experiences acquired during previous coursework.

Clock Hours: 135 (CLIN)

Japanese JPN

JPN-101 - CONVERSATIONAL JAPANESE I 3.0 CR

Introduces beginning students to conversational Japanese and focuses on understanding and speaking Japanese. Covers basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

Clock Hours: 45 (LEC)

* **JPN-111 - JAPANESE LANGUAGE I** 5.0 CR

Introduces a sequence dealing with the development of functional proficiency in listening, speaking, reading, and writing the Japanese language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Clock Hours: 75 (LEC)

* **JPN-112 - JAPANESE LANGUAGE II** 5.0 CR

PREREQUISITE: JPN-111; Min. grade C-

Continues Foreign Language I in the development of functional proficiency in listening, speaking, reading, and writing the Japanese language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

Clock Hours: 75 (LEC)

📖 **JPN-211 - JAPANESE III** 3.0 CR

PREREQUISITE: JPN-112; Min. grade C-

Continues Japanese Language I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the Japanese language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

Clock Hours: 45 (LEC)

📖 **JPN-212 - JAPANESE LANGUAGE IV** 3.0 CR

PREREQUISITE: JPN-211; Min. grade C-

Continues Japanese Language I, II, and III in the development of increased functional proficiency in listening, speaking, reading, and writing the Japanese language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.

Clock Hours: 45 (LEC)

Latin LAT

LAT-275 - SPECIAL TOPICS .5-6.0 CR

Provides students with a vehicle to pursue in depth exploration of special topics of interest.

Law Enforcement Academy LEA

LEA-101 - BASIC POLICE ACADEMY I 6.0 CR

Conforms to POST standards and state certification requirements as well as the basic skills and knowledge necessary to perform the entry-level duties of a peace officer. Emphasis will be on simulating actual situations utilizing a lecture and laboratory mode of learning.

Prev. Course Codes: (CRJ-101) Clock Hours: 88 (LECLB)

Literature LIT

LEA-102 - BASIC POLICE ACADEMY II 12.0 CR
Conforms to POST standards and state certification requirements as well as the basic skills and knowledge necessary to perform the entry-level duties of a peace officer. Emphasis will be on simulating actual situations utilizing a lecture and laboratory mode of learning.
Clock Hours: 187 (LECLB)

LEA-103 - BASIC LAW ENFORCEMENT ACADEMY III 2.0 CR
Enhances the standards established by the POST board and state certification requirements as well as the basic skills and knowledge necessary to perform the entry level duties of a Police Officer. Emphasis will be on expanding the POST curriculum to create a unique learning experience.
Clock Hours: 28 (LECLB)

LEA-105 - BASIC LAW 8.0 CR
Conforms to POST standards and state certification requirements as well as the basic skills and knowledge necessary to perform the entry-level duties of a peace officer. Emphasis will be on the United States Constitution, arrest, search and seizure, interrogation and confessions, rules of evidence, Colorado Criminal Code, Colorado Traffic Code, Colorado Children's Code, Liquor Code, and controlled substances. NOTE: Registration requires admittance to CLETA program.
Prev. Course Codes: (CRJ-105) Clock Hours: 122 (LEC)

LEA-106 - ARREST CONTROL TECHNIQUES 3.0 CR
Covers the skills, knowledge, and abilities necessary to effectively maintain control of a suspect when making an arrest. Emphasizes the continuum of force and de-escalation of force. Note: Registration requires admittance to CLETA program.
Prev. Course Codes: (CRJ-108) (CRJ-106) Clock Hours: 74 (LECLB)

LEA-107 - LAW ENFORCEMENT DRIVING 3.0 CR
Covers the skills, knowledge, and abilities required for operation of a law enforcement vehicle. Emphasizes defensive driving. Enables students to demonstrate skills by driving a vehicle under simulated conditions. Note: Registration requires admittance to CLETA program.
Prev. Course Codes: (CRJ-109) (CRJ-107) Clock Hours: 44 (LECLB)

LEA-108 - FIREARMS 3.0 CR
Discusses the skills, knowledge, and abilities necessary to safely use police firearms. Students will demonstrate skills by firing weapons on a firing range. The student will demonstrate basic safety techniques and will explain the firearms role within the continuum of force. Note: registration requires admittance to CLETA program.
Prev. Course Codes: (CRJ-107) (CRJ-108) Clock Hours: 69 (LECLB)

LEA-123 - LAW ENFORCEMENT SURVIVAL SPANISH 1.0 CR
This course is designed for the Law Enforcement Training Academy student who will have the need to communicate with Spanish speaking individuals in the course of their employment as peace Officers. Pronunciation, familiarization with common terms, and survival phrases encountered in law enforcement situations will be stressed. Note: Registration requires admittance to CLETA program.
Prev. Course Codes: (CRJ-123) Clock Hours: 16 (LEC)

LIT-115 - INTRODUCTION TO LITERATURE I 3.0 CR
PREREQUISITE: College-Level Reading
Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading.
Prev. Course Codes: (HUM-132) (HUM-163) (LIT-151) Clock Hours: 45 (LEC)

*** LIT-125 - STUDY OF THE SHORT STORY** 3.0 CR
PREREQUISITE: College-Level Reading
Focuses on careful reading and interpretation of the short story as a distinct genre. It examines formal as well as thematic elements of fiction. Critical thinking, discussion, and writing about short stories will enhance perceptive reading skills and heighten awareness of the human condition.
Clock Hours: 45 (LEC)

*** LIT-126 - STUDY OF POETRY** 3.0 CR
PREREQUISITE: College-Level Reading
Focuses on careful reading and interpretation of various poems representing types and periods of poetry. It examines formal as well as thematic elements of poetry. Critical thinking, discussion, and writing about poetry will enhance perceptive reading skills and heighten awareness of the human condition.
Clock Hours: 45 (LEC)

LIT-175 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: College-Level Reading
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

LIT-201 - WORLD LITERATURE TO 1600 3.0 CR
PREREQUISITE: College-Level Reading
Examines significant writings in world literature from the ancients through the Renaissance. Emphasizes careful reading and understanding of the works and their cultural backgrounds.
Prev. Course Codes: (LIT-161) Clock Hours: 45 (LEC)

LIT-202 - WORLD LITERATURE AFTER 1600 3.0 CR
PREREQUISITE: College-Level Reading
Examines significant writings in world literature from the seventeenth century to the present. Emphasizes careful reading and understanding of the works and their cultural backgrounds.
Prev. Course Codes: (LIT-162) Clock Hours: 45 (LEC)

LIT-205 - ETHNIC LITERATURE 3.0 CR
PREREQUISITE: College-Level Reading
Focuses on significant texts by ethnic Americans including African American, Native American, Latino/a, and Asian Americans. Emphasizes careful reading and understanding of the cultural and literary elements of the works.
Clock Hours: 45 (LEC)

LIT-211 - SURVEY OF AMERICAN LITERATURE I 3.0 CR
PREREQUISITE: College-Level Reading
Provides an overview of American literature from the Native American through the nineteenth century Romantics. It explores ideas, historical and social contexts, themes and literary characteristics of works in various genres by major writers.
Prev. Course Codes: (LIT-221) (LIT-261) Clock Hours: 45 (LEC)

LIT-212 - SURVEY OF AMERICAN LITERATURE II 3.0 CR
PREREQUISITE: College-Level Reading
Provides an overview of American literature from the mid-nineteenth century to the present. It explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.
Prev. Course Codes: (LIT-227) (LIT-262) (LIT-217) Clock Hours: 45 (LEC)

LIT-221 - SURVEY OF BRITISH LITERATURE I 3.0 CR
PREREQUISITE: College-Level Reading
Provides an overview of British literature from the Anglo-Saxon period through the 17th century. It explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.
Clock Hours: 45 (LEC)

LIT-222 - SURVEY OF BRITISH LITERATURE II 3.0 CR
PREREQUISITE: College-Level Reading
Provides an overview of British literature from the 18th century to the present. It explores ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers.
Clock Hours: 45 (LEC)

LIT-225 - INTRODUCTION TO SHAKESPEARE 3.0 CR
PREREQUISITE: College-Level Reading
Explores a selection of works by William Shakespeare. It focuses on careful reading and interpretation of the plays and poems, includes pertinent information about Elizabethan England, and examines formal, as well as thematic elements of the selected works.
Prev. Course Codes: (LIT-220) (LIT-255) Clock Hours: 45 (LEC)

*** LIT-245 - LITERATURE OF THE AMERICAN WEST** 3.0 CR
PREREQUISITE: College-Level Reading
Examines works in various genres by writers of the American West. It investigates the dominant themes and social and historical backgrounds.
Clock Hours: 45 (LEC)

*** LIT-248 - NATIVE AMERICAN LITERATURE** 3.0 CR
PREREQUISITE: College-Level Reading
Examines oral and written literature created by Native American peoples. Emphasizes narrative and ceremonial literature from the oral tradition. Examines oratory, autobiography, essays, poetry, short stories, and novels as oral and written forms.
Clock Hours: 45 (LEC)

*** LIT-255 - CHILDREN'S LITERATURE** 3.0 CR
PREREQUISITE: College-Level Reading
Evaluates the criteria for selecting appropriate literature for children through exploration of genres, age levels, values taught through literature, and the literary and artistic quality of various texts.
Prev. Course Codes: (EDU-270c) Clock Hours: 45 (LEC)

*** LIT-267 - THE BIBLE AS LITERATURE** 3.0 CR
PREREQUISITE: College-Level Reading
Introduces the Bible as the textual centerpiece of Western literature. Students will encounter the various literary genres represented in Biblical texts, the process of canonization, ways in which the Bible has been read by its various interpretive communities, and some impacts of the Bible in such areas as law, poetry, fiction, psychology, ethics, and theology.
Clock Hours: 45 (LEC)

LIT-268 - CELTIC LITERATURE 3.0 CR
PREREQUISITE: *College-Level Reading*
 Exposes the student to Irish literature. The course examines significant writings in Irish literature from the ancients through to the twenty-first century. The course emphasizes the careful reading and understanding of the works of poetry, fiction, and drama, as well as their cultural backgrounds.
Clock Hours: 45 (LEC)

* **LIT-269 - POPULAR LITERATURE & CULTURE** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Explores special interests in literature, such as Detective Fiction and Science Fiction.
Clock Hours: 45 (LEC)

LIT-275 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Library Technician LTN

* **LTN-105 - RESEARCH STRATEGIES** 2.0 CR
PREREQUISITE: *College-Level Reading*
 This course introduces effective research strategies. Includes advanced online information retrieval techniques, analyses and evaluation of found materials, as well as discussions of social and legal issues surrounding the use of information.
Clock Hours: 30 (LEC)

Machining MAC

MAC-101 - INTRODUCTION TO MACHINE SHOP 3.0 CR
 Covers safety procedures, use of bench tools, layout tools, power saws, drill presses, precision measurement tools, and various hand tools related to the machine shop. Also included are sharpening drill bits and general purpose turning tools for the lathe, and determining speeds and feeds for both the lathe and the milling machine.
Clock Hours: 67.5 (LECLB)

Clock Hours: 90 (LAB)

MAC-252 - PRACTICAL METALLURGY 3.0 CR
 Offers a study of metallurgical terms and definitions in an effort to understand both the behavior of metals and their service to industry. Characteristics during heating, cooling, shaping, forming, and the stresses related to their mechanical properties are covered. The theory behind the alloys; heat treatment processes; and the impact they have on strength, toughness, hardness, elasticity, ductility, malleability, wear resistance, and fatigue resistances is investigated.
Clock Hours: 67.5 (LECLB)

Management MAN

MAN-117 - TIME MANAGEMENT 1.0 CR
 Provides students with the conceptual knowledge and tools to make better use of their time in the management function.
Clock Hours: 15 (LEC)

MAN-125 - TEAM BUILDING 1.0 CR
 Introduces the concept of working as a team member. Activities and assignments will emphasize the ability to negotiate, work together, build consensus, and make quality decisions.
Clock Hours: 15 (LEC)

MAN-128 - HUMAN RELATIONS IN ORGANIZATIONS 3.0 CR
 Explores the importance of effective communication in our personal lives as well as in the world of business. Practical business applications such as employee motivation, handling customer complaints, and effectively resolving conflict in the workplace will be a major part of the curriculum.
Clock Hours: 45 (LEC)

MAN-175 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

MAN-200 - HUMAN RESOURCE MANAGEMENT I 3.0 CR
 Provides the student with a broad overview of the contemporary issues, theories, and principles used to effectively manage human resources. Topics include recruiting, hiring, compensation and benefits, training and development, employee relations and legal issues.
Prev. Course Codes: (BUS-235) (BUS-035) Clock Hours: 45 (LEC)

* **MAN-216 - SMALL BUSINESS MANAGEMENT** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Examines the elements necessary for the successful formation of a new small business. It is also designed to enhance the skills of those already involved in the operation of a small business. The course includes the development of a complete small business plan.
Prev. Course Codes: (SBM-115) Clock Hours: 45 (LEC)

MAN-224 - LEADERSHIP 3.0 CR
PREREQUISITE: *College-Level Reading*
 Focuses on the leadership skills necessary to bring about change in an organization. Students learn to develop and communicate a shared vision, to empower employees, to manage conflict, to negotiate, and to develop organizations so that all are working toward common goals.
Clock Hours: 45 (LEC)

MAN-225 - MANAGERIAL FINANCE 3.0 CR
PREREQUISITE: *College-Level Reading*
 Examines the concepts and techniques used to analyze financial accounting information for managerial planning, decision making, and control. The focus of the course is on decision making relating to the areas of budgets, forecasts, cost volume production, ROI and financial statements.
Prev. Course Codes: (BUS-244) Clock Hours: 45 (LEC)

* **MAN-226 - PRINCIPLES OF MANAGEMENT** 3.0 CR
PREREQUISITE: *BUS-115; Min. grade C-*
 Presents a survey of the principles of management. Emphasis is on the primary functions of planning, organizing, leading, and controlling with a balance between the behavioral and operational approach.
Prev. Course Codes: (BUS-226) (BUS-210) (BUS-153) Clock Hours: 45 (LEC)

MAN-230 - CORPORATE RESPONSIBILITY 3.0 CR
PREREQUISITE: *College-Level Reading*
 Examines the concept of corporate responsibility and the extent to which an organization's resources should be used to identify and respond to social problems. Included in the course will be topics of corporate and social responsibility and the concept of servant leadership and how this applies to business and management principles.
Clock Hours: 45 (LEC)

Marketing MAR

MAR-110 - INTRODUCTION TO SALES 1.0 CR
 Enables the student to understand and develop a solid foundation of the fundamentals of selling. In addition, the course addresses three additional key areas of selling and sales techniques: selling against the competition, selling broadband services, and business solutions selling.
Clock Hours: 15 (LEC)

MAR-111 - PRINCIPLES OF SALES 3.0 CR
PREREQUISITE: *BUS-115; Min. grade C-*
 Enables the student to understand and develop ethical sales techniques and covers the role of selling in the marketing process. Areas of emphasis include behavioral considerations in the buying and selling process and sales technique.
Prev. Course Codes: (MAR-010) (MMA-010) (MMA-212) Clock Hours: 45 (LEC)

MAR-117 - PRINCIPLES OF RETAILING 3.0 CR
 Emphasizes the study of the basic principles and techniques of merchandising, operations, layout, store organization, site location, and customer service with an emphasis on retailing operations.
Clock Hours: 45 (LEC)

MAR-158 - BASIC CUSTOMER SERVICE 1.0 CR
 Focuses on basic concepts and techniques needed to effectively serve customers. Specific emphasis given to manage customer expectations by building customer rapport and creating positive outcomes.
Clock Hours: 15 (LEC)

MAR-175 - SPECIAL TOPICS 1.0-6.0 CR
 Provides students with a vehicle to pursue special topics of interest in business. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

* **MAR-216 - PRINCIPLES OF MARKETING** 3.0 CR
PREREQUISITE: *BUS-115; Min. grade C-*
 Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to business and the individual consumer.
Prev. Course Codes: (MMA-211) (MMA-251) Clock Hours: 45 (LEC)

MAR-217 - E-COMMERCE MARKETING 3.0 CR
 Explores new marketing strategies that have emerged as areas of information technology and the Internet have evolved. This course examines traditional marketing concepts of buying behavior, promotion, production, and others then redefines them as they apply to marketing on the World Wide Web. Web fundamentals, e-marketing trends, strategies, models, and research will be examined.
Clock Hours: 45 (LEC)

MAR-220 - PRINCIPLES OF ADVERTISING 3.0 CR**PREREQUISITE:** MAR-216; *Min. grade C-*

Examines the principles and practices of advertising and its relationship to business in order to promote a business or organization. Areas of major emphasis include advertising principles, strategies, media, copy and layout, and ethical considerations.

*Prev. Course Codes: (MAR-240) (MAR-020)**(MMA-020) (MMA-252) Clock Hours: 45 (LEC)***MAR-222 - IMPLEMENTING E-COMMERCE 3.0 CR**

Provides the student with practical skills and knowledge of e-commerce implementation methodology. Topics include strategic planning for e-commerce, project management, change management, role of technology, implementation planning and assessment. Students use case studies to examine standards and practices of businesses implementing e-commerce applications and solutions.

Clock Hours: 45 (LEC)

Mathematics MAT

MAT-030 - FUNDAMENTALS OF MATHEMATICS 2.0 CR

Includes the vocabulary, operations, and applications of whole numbers, decimals, and basic fractions and mixed numbers.

*Prev. Course Codes: (MAT-001) Clock Hours: 30**(LEC)***MAT-060 - PRE-ALGEBRA 3.0 CR****PREREQUISITE:** MAT-030 or Placement Test;*Min. grade C-*

Further the study of fractions and mixed numbers. Also included are vocabulary, operations and applications of ratio, proportion, percent, area, perimeter, US and metric measures, integers, and an introduction to algebraic expressions and the solution of basic first-degree equations.

*Clock Hours: 45 (LEC)***MAT-090 - INTRODUCTORY ALGEBRA 4.0 CR****PREREQUISITE:** MAT-060 or Placement Test;*Min. grade C-*

Includes first-degree equations, inequalities, formulas, polynomials, algebraic fractions, factoring polynomials, solving quadratic equations by factoring, and applications. Coordinate geometry, graphing linear equations and inequalities, and systems of linear equations may be included.

*Prev. Course Codes: (MAT-060) (MAT-116)**(MAT-040) (MAT-140) Clock Hours: 60 (LEC)***MAT-099 - INTERMEDIATE ALGEBRA 4.0 CR****PREREQUISITE:** MAT-090 or Placement Test;*Min. grade C-*

Emphasizes problem solving with further study of equations, slope, inequalities, systems of equations, polynomials, quadratic equations, rational expressions, rational exponents, radical expressions, graphing, and applications. A graphing calculator or equivalent software may be utilized.

*Prev. Course Codes: (MAT-106) Clock Hours: 60**(LEC)***MAT-101 - ENHANCED MATHEMATICS SUPPORT 1.0 CR****CO-REQUISITES:** MAT-030;

Supplements math classroom instruction through the Mathematics Support Center, a student-centered learning environment. Students will be able to utilize the following resources: professional and peer tutoring, mathematics and tutorial software, online tutorial

resources, videotapes, and training guides for these resources. Students will also be able to obtain help with calculators and mathematical software required in their courses.

*Clock Hours: 15 (LEC)***MAT-107 - CAREER MATH 3.0 CR****PREREQUISITE:** MAT-060 or Placement Test;*Min. grade C-*

Covers material designed for career technical students or general studies students who need to study particular mathematical topics. Topics may include arithmetic review, calculator usage, algebra, geometry, trigonometry, graphs, and finance. These are presented on an introductory level and the emphasis is on applications.

*Prev. Course Codes: (MAT-105) (MAT-031)**(MAT-111) Clock Hours: 45 (LEC)***MAT-108 - TECHNICAL MATHEMATICS 4.0 CR****PREREQUISITE:** MAT-090 or Placement Test; *Min.**grade C-*

Covers material designed for career technical students or general studies students who need to study particular mathematical topics. Topics may include calculator usage, algebra, geometry, trigonometry, graphs, finance logarithms, and statistics. These are presented on an introductory level and the emphasis is on applications. The specific topics covered are selected to meet the needs of the students enrolled in the course.

*Prev. Course Codes: (MAT-105) (MAT-031)**(MAT-111) Clock Hours: 60 (LEC)***MAT-120 - MATHEMATICS FOR THE LIBERAL ARTS 4.0 CR****PREREQUISITE:** MAT-099 or Placement Test;*Min. grade C-*

Develops mathematical and problem-solving skills. Appropriate technological skills are included. Content is selected to highlight connections between mathematics and the society in which we live. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. Additional content will include one topic in geometry, numeration systems, decision theory, or management science.

*Clock Hours: 60 (LEC)***MAT-121 - COLLEGE ALGEBRA 4.0 CR****PREREQUISITE:** MAT-099 or Placement Test;*Min. grade C-*

Includes a review of intermediate algebra, equations and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear system, as well as a selection of topics from graphing of the conic sections, introduction to sequence and series permutations and combinations, the binomial theorem, and the theory of equations.

*Prev. Course Codes: (MAT-161) Clock Hours: 60**(LEC)***MAT-122 - COLLEGE TRIGONOMETRY 3.0 CR****PREREQUISITE:** MAT-121 or Placement Test;*Min. grade C-*

Covers topics including trigonometric functions (with graphs and inverse functions), identities and equations, solutions of triangles, complex numbers, and other topics as time permits. This is a traditional prerequisite course to the calculus sequence.

*Prev. Course Codes: (MAT-162) Clock Hours: 45**(LEC)***MAT-123 - FINITE MATHEMATICS 4.0 CR****PREREQUISITE:** MAT-099; *Min. grade C-*

Covers topics including functions, matrix algebra, linear programming, and an introduction to probability and counting techniques. Emphasis is on applications. This course may include other topics such as statistics when time permits. This course is primarily intended for business, life science, or social science majors.

*Clock Hours: 60 (LEC)***MAT-125 - SURVEY OF CALCULUS 4.0 CR****PREREQUISITE:** MAT-121 or Placement Test;*Min. grade C-*

Includes derivatives, integrals, and their applications, with attention restricted to algebraic, exponential, and logarithmic functions for business, life science and/or social science majors.

*Clock Hours: 60 (LEC)***MAT-135 - INTRODUCTION TO STATISTICS 3.0 CR****PREREQUISITE:** MAT-099 or Placement Test;*Min. grade C-*

Includes data presentation and summarization, introduction to probability concepts and distributions, statistical inference estimation, hypotheses testing, comparison of populations, correlation, and regression.

*Prev. Course Codes: (MAT-164) Clock Hours: 45**(LEC)***MAT-155 - INTEGRATED MATH I 3.0 CR****PREREQUISITE:** MAT-099; *College-Level Reading**Min. grade C-*

Covers topics including natural numbers, integers, rational numbers, relations, functions, and equations. This course is the first of a two-course sequence particularly pertinent to prospective arithmetic teachers, presenting arithmetic and algebra from a modern approach.

*Prev. Course Codes: (MAT-120) Clock Hours: 45**(LEC)***MAT-156 - INTEGRATED MATH II 3.0 CR****PREREQUISITE:** MAT-155; *Min. grade C-*

Continues MAT-155. It includes the study of the fundamentals of probability, statistics, and informal Euclidean geometry suitable for K-8 curriculum, employing laboratory techniques where applicable.

*Prev. Course Codes: (Mat-220) Clock Hours: 45**(LEC)***MAT-166 - PRE-CALCULUS 5.0 CR****PREREQUISITE:** MAT-121; *Min. grade C-*

Reviews college algebra and college trigonometry intended for those planning to take calculus. Topics include algebraic manipulations, properties of algebraic and trigonometric functions and their graphs, trig identities and equations, conic sections, polar coordinates, and parametric equations.

*Clock Hours: 75 (LEC)***MAT-175 - SPECIAL TOPICS 1.0-3.0 CR**

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

MAT-201 - CALCULUS I 5.0 CR**PREREQUISITE:** MAT-122 or MAT-166 or Placement Test; *Min. grade C-*

Introduces single variable calculus and analytic geometry. Includes limits, continuity, derivatives, and applications of derivatives, as well as indefinite and definite integrals and some applications.

*Prev. Course Codes: (MAT-171) Clock Hours: 75**(LEC)*

MAT-202 - CALCULUS II 5.0 CR
PREREQUISITE: MAT-201; *Min. grade C-*
 Continuation of single variable calculus that will include techniques of integration, polar coordinates, analytic geometry, improper integrals, and infinite series.
Prev. Course Codes: (MAT-172) Clock Hours: 75 (LEC)

MAT-203 - CALCULUS III 4.0 CR
PREREQUISITE: MAT-202; *Min. grade C-*
 Completes the traditional subject matter of the Calculus. Topics include vectors, vector-valued functions, and multivariable calculus including partial derivatives, multiple integrals, line integrals, and application.
Clock Hours: 60 (LEC)

MAT-265 - DIFFERENTIAL EQUATIONS 3.0 CR
PREREQUISITE: MAT-202; *Min. grade C-*
 Emphasizes techniques of problem solving and applications. Topics include first, second, and higher order differential equations, series methods, approximations, systems of differential equations, and Laplace transforms.
Clock Hours: 45 (LEC)

*** MAT-266 - DIFFERENTIAL EQUATIONS WITH LINEAR ALGEBRA** 4.0 CR
CO-REQUISITES: MAT-203;
PREREQUISITE: MAT-202; *Min. grade C-*
 Covers first and second order differential equations, series solutions, Laplace transforms, linear algebra, eigenvalues, first order systems of equations, and numerical techniques.
Clock Hours: 60 (LEC)

Meteorology MET

MET-150 - GENERAL METEOROLOGY 4.0 CR
PREREQUISITE: *College-Level Reading*
 Provides an introduction to general meteorology and atmospheric sciences. It includes the composition and structure of the atmosphere and characteristics that affect the atmosphere, such as temperature, pressure, and moisture. Additionally, the development of weather systems, such as storm systems, hurricanes, weather fronts, and cloud development will also be examined. Finally, the concepts of climatology will be stressed.
Clock Hours: 45 (LEC) 30 (LAB)

Graphic Design MGD

MGD-101 - INTRODUCTION TO COMPUTER GRAPHICS 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces the students to the computer systems developed for graphics. The students will learn the hardware and software components for multimedia production. Each student will explore basic computer operations, ergonomics, file management, scanning techniques, archiving capabilities, and utilization of the multimedia department server and internet connection.
Prev. Course Codes: (CWB-165) (GRD-101) (COA-013) Clock Hours: 67.5 (LECLB)

MGD-102 - INTRODUCTION TO MULTIMEDIA 3.0 CR
 Introduces the types of equipment and technical considerations used in multimedia productions and the multimedia professions. It focuses on current types of equipment such as scanners, printers, digital cameras, and computers. Students gain hands-on experience in

how the technology is utilized for input and output in production and design projects. Overview of software and basic design principles will be explored.
Prev. Course Codes: (CWB-140) Clock Hours: 67.5 (LECLB)

MGD-103 - PRODUCTION DESIGN 3.0 CR
 Explores the use of tools, computer graphics techniques, and design layout principles to produce professional graphic designs. Studies include printing basics, typography, and digital color systems. Students use creative thinking to solve communication and design concepts for the output process.
Clock Hours: 67.5 (LECLB)

MGD-104 - VIDEOGRAPHY 3.0 CR
 Offers an introduction to the principles and techniques of videotape production, including camera operation, basic script writing, lighting, sound, and basic digital editing. Detailed examination of the pre-production, production, and post-production processes, as well as aesthetics, will be included.
Clock Hours: 67.5 (LECLB)

MGD-105 - TYPOGRAPHY & LAYOUT 3.0 CR
PREREQUISITE: MGD-101(626); *Min. grade C*
 Covers the creation and production of graphic projects, emphasizing the layout creative design process, problem solving, and research. Provides experience producing thumbnails and rough and digital layouts emphasizing refined creative typography.
Prev. Course Codes: (GRD-105) (COA-040) (COA-238) Clock Hours: 67.5 (LECLB)

MGD-107 - HISTORY OF DESIGN 2.0 CR
 Explores the pivotal events and achievements that have led to the current state of graphic communications. Through lectures, slides, videos, class discussions, and research students discover the creative thinkers, innovations, and breakthrough technologies that have shaped the evolution of visual communication, advertising, and industrial design today.
Clock Hours: 45 (LECLB)

MGD-108 - HISTORY OF ILLUSTRATION 2.0 CR
 Presents a selected overview of the origins of illustration to the present, giving equal emphasis to commercial illustration, fine art, and gallery illustration. Special attention is paid to stylistic changes, work methods, and social context.
Clock Hours: 30 (LEC)

MGD-109 - DESIGN & COLOR 3.0 CR
 Covers the design process and creative problem solving. Includes design and color theories, fundamentals, styles, stages area applied to workups, finished art, and presentations. Emphasis will be on line, form, composition, and continuity.
Clock Hours: 67.5 (LECLB)

MGD-110 - LETTERING FOR GRAPHIC DESIGN 2.0 CR
 Studies lettering and letter forms, the various methods and mediums used in freehand and mechanically-rendered lettering, the design of lettering, and practical applications of lettering in the field of graphic design.
Clock Hours: 45 (LECLB)

MGD-111 - ADOBE PHOTOSHOP I 3.0 CR
PREREQUISITE: MGD-101(626); *Min. grade C*
 Concentrates on the high end capabilities of a raster photo editing software as an illustration, design and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics and videos.
Clock Hours: 67.5 (LECLB)

MGD-112 - ADOBE ILLUSTRATOR I 3.0 CR
PREREQUISITE: MGD-101(626); *Min. grade C*
 Acquaints students with the processes of a vector drawing program on the computer. Students learn how to use the tools to create digital artwork that can be used in web design, print media, and digital screen design.
Prev. Course Codes: (GRD-225) Clock Hours: 67.5 (LECLB)

MGD-113 - QUARKXPRESS 3.0 CR
 Introduces students to QuarkXPress, a digital page layout tool. Students learn how to assemble, organize, manipulate, and manage text and graphics to produce a high-quality publication. Class discussions and independent projects supplement hands-on classroom work.
Clock Hours: 67.5 (LECLB)

MGD-114 - ADOBE INDESIGN 2.0 CR
 Introduces students to InDesign, a page layout program which integrates seamlessly with other Adobe design programs. InDesign delivers creative freedom and productivity to desk top publishing. Class discussions and independent projects supplement hands-on classroom work.
Clock Hours: 45 (LECLB)

MGD-118 - DIGITAL COLOR THEORY 3.0 CR
CO-REQUISITES: MGD-105, MGD-111, MGD-112, MGD-203;
PREREQUISITE: *College-Level Reading*
 Covers color theory as it relates to multimedia. The psychology of color is taught as well as how to effectively design with color. Students learn how to correct color photographs and create color separations. Color scanning technology is also covered.
Prev. Course Codes: (GRD-110) Clock Hours: 67.5 (LECLB)

MGD-128 - MULTI-MEDIA HARDWARE 3.0 CR
 Teaches the principles and techniques of maintaining, upgrading, and customizing personal computer systems. Emphasis will also be placed on various emerging and established technologies related to graphic computing.
Clock Hours: 67.5 (LECLB)

MGD-133 - GRAPHIC DESIGN I 3.0 CR
PREREQUISITE: MGD-105 MGD-111 MGD-112 MGD-203 ART-131(15931); *Min. grade C;*
 Focuses upon the study of design layout and conceptual elements concerning graphic design projects such as posters, advertisements, logos, and brochures.
Prev. Course Codes: (GRD-106) (COA-011) (COA-211) Clock Hours: 67.5 (LECLB)

MGD-134 - DRAWING FOR ILLUSTRATORS 3.0 CR
PREREQUISITE: *College-Level Reading*
 Covers fundamental skills and theories of drawing and rendering line structure, form, value, texture, and composition. Application of drawing skills with various media for line quality as well as value and texture interpretations are also covered.
Clock Hours: 67.5 (LECLB)

MGD-141 - WEB DESIGN I 3.0 CR
PREREQUISITE: MGD-101(626); *Min. grade C;*
 Introduces the fundamentals of HTML syntax using a simple text editor to create a web page. Web-safe colors and the use of graphic editors will be explored. Students study Web aesthetics and intuitive interface design. The course emphasizes file organization and layout including tables and frames.
Prev. Course Codes: (CIS-131) (GRD-111) Clock Hours: 67.5 (LECLB)

MGD-143 - MOTION GRAPHIC DESIGN I: (SOFTWARE) (SOFTWARE) 3.0 CR

PREREQUISITE: MGD-101(626); *Min. grade C*;
Stresses creation of animation and dynamic interactive media for web and multimedia applications. Students will learn how to draw objects, create symbols, and assemble motion tweens.

Prev. Course Codes: (GRD-120) Clock Hours: 67.5 (LECLB)

MGD-145 - QUICKTIME TECHNOLOGIES 3.0 CR

Introduces students to current QuickTime technologies for web applications. Students will prepare panoramic and object QTVR content, streaming audio and video in QuickTime format. Students will publish digitized video and audio in HTML web pages on a local server.

Clock Hours: 67.5 (LECLB)

MGD-153 - 3D ANIMATION I 3.0 CR

Encompasses all major aspects of creating 3D characters using animation software. Using developed characters, the student will learn how to animate for personality.

Clock Hours: 67.5 (LECLB)

MGD-164 - DIGITAL VIDEO EDITING I 3.0 CR

Introduces digital non-linear video editing. Students will capture, compress, edit, and manipulate video images using a personal computer. Assembly techniques including media management, editing tools, titles, and motion control; transitions and filters; and special effects are explored.

Clock Hours: 67.5 (LECLB)

MGD-167 - GAME DESIGN I 3.0 CR

Introduces students to game design from conceptual development and functionality through production of a virtual world prototype. Students examine such things as character registration, in-betweens, inking, and clean up used for creating real-time game environments. Storytelling and visual metaphor development are emphasized.

Clock Hours: 67.5 (LECLB)

MGD-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

MGD-180 - INTERNSHIP 6.0 CR

Provides students with the opportunity to supplement coursework with a practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Clock Hours: 270 (COOP)

MGD-203 - DESIGN AND CONCEPT 3.0 CR

PREREQUISITE: MGD-101(626); *Min. grade C*;
Covers the process of comprehensive problem solving of complex and advanced print design. Provides experience in digital production of designs, using multiple computer applications emphasizing concepts.
Prev. Course Codes: (GRD-220) Clock Hours: 67.5 (LECLB)

MGD-204 - VIDEOGRAPHY II 3.0 CR

PREREQUISITE: MGD-104; *Min. grade C*
Offers advanced study of digital video imaging concepts using digital cameras. Heavy emphasis is placed upon media aesthetics and the creative integration of sight, sound, and motion in student projects.
Clock Hours: 67.5 (LECLB)

MGD-207 - ILLUSTRATION I 3.0 CR

PREREQUISITE: ART-121 MGD-133; *Min. grade C*

Addresses methods and techniques used in the profession of illustration for advertising, brochures, books and other forms of printed communications. Course concentrates on developing expertise in producing line and continuous tone black and white art with emphasis on design and the creation of art for reproduction.
Prev. Course Codes: (CIS-139) (CIS-137) (CIS-138) (GRD-108) (COA-026) (COA-231) Clock Hours: 67.5 (LECLB)

MGD-208 - ILLUSTRATION II 3.0 CR

PREREQUISITE: MGD-207(586) ART-122; *Min. grade C*

Addresses methods and techniques used in the illustration profession beyond those covered in Illustration I. Course concentrates on developing expertise in producing color art for reproduction.

Prev. Course Codes: (GRD-208) (COA-027) (COA-232) Clock Hours: 67.5 (LECLB)

MGD-211 - ADOBE PHOTOSHOP II 3.0 CR

PREREQUISITE: MGD-111; *Min. grade C-*

Develops and reinforces image composition techniques learned in Adobe Photoshop I, MGD-111. Fundamentals are continuously reinforced as new design techniques are introduced. Students must have taken a previous Photoshop class.

Clock Hours: 67.5 (LECLB)

MGD-212 - ADOBE ILLUSTRATOR II 3.0 CR

PREREQUISITE: MGD-112; *Min. grade C*

Enables the student to continue development of electronic drawing skills through practice and use of state of the art illustration software.

Prev. Course Codes: (GRD-250) Clock Hours: 67.5 (LECLB)

MGD-213 - ELECTRONIC PREPRESS 3.0 CR

PREREQUISITE: MGD-105 MGD-111 MGD-112 MGD-203; *Min. grade C*;

Explores in detail the electronic prepress process. Students examine steps for preparing a digital file for trapping, output considerations and proofing techniques. Creating effective electronic designs and efficient use of today's software programs are also covered.

Prev. Course Codes: (GRD-107) (COA-021) (COA-227A) Clock Hours: 67.5 (LECLB)

MGD-233 - GRAPHIC DESIGN II 3.0 CR

PREREQUISITE: MGD-133; *Min. grade C*

Continues instruction in idea development for advanced graphic design.

Prev. Course Codes: (GRD-216) Clock Hours: 67.5 (LECLB)

MGD-241 - WEB DESIGN II 3.0 CR

PREREQUISITE: MGD-112 MGD-141(585); *Min. grade C*

Expands on previously learned fundamentals of HTML introducing cascading style sheets, DHTML, JavaScripts, and CGI forms. Color usage and interface design principles are emphasized in this course. In this course we'll examine Web sites that employ more complex structures, optimal site architecture, and navigation necessary for larger and more complex sites.
Prev. Course Codes: (GRD-112) Clock Hours: 67.5 (LECLB)

MGD-250 - EMERGING MULTI-MEDIA TECHNOLOGIES 3.0 CR

Provides a broad-based overview of current trends and issues in multi-media development and related industries. The class format will include lectures,

reading, demos, discussion, research, projects, and a final student presentation. Course content changes each semester. May include topics such as voice/data/video integration, virtual environments, broadband, streaming media architectures, telco/CATV/satellite technologies, network-based applications, using technology for building community, wireless technology, current thinking in human factors and usability, XML and the semantic web, groupware and collaborative tools, pervasive computing, and others.
Clock Hours: 67.5 (LECLB)

MGD-264 - DIGITAL VIDEO EDITING II 3.0 CR

Looks at the more complex and advanced techniques of digital video editing. Areas of editing such as masking, filtering, blue/green screening, track mattes, and image mattes will be examined. Students will produce a movie project in this class and discuss practical ways to distribute to various audiences.

Clock Hours: 67.5 (LECLB)

MGD-266 - DVD AUTHORIZING 3.0 CR

Introduces students to all aspects of DVD authoring; covering source acquisition, DVD production, interface design, organization, management, and appropriate DVD output solutions.

Clock Hours: 67.5 (LECLB)

MGD-277 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

MGD-287 - COOPERATIVE EDUCATION 3.0 CR

PREREQUISITE: MGD-133 MGD-208 MGD-213 PHO-205(18946); *Min. grade C*

Provides work experience for students to gain practical work experience related to their educational program.
Prev. Course Codes: (GRD-230C) (COA-030C) (COA-031) (COA-032) (COA-230C) Clock Hours: 135 (COOP)

MGD-289 - CAPSTONE 3.0 CR

PREREQUISITE: MGD-133 MGD-208; *Min. grade C*

Professional business practices in Graphic Communications are covered. Additionally, students will design and produce a portfolio demonstrating proficiency in Graphic Communications.

Prev. Course Codes: (GRD-210) Clock Hours: 67.5 (LECLB)

Medical Office Technology MOT

MOT-110 - MEDICAL OFFICE ADMINISTRATION 4.0 CR

PREREQUISITE: *College-Level Reading*
Introduces the administrative duties specifically used in medical offices.

Clock Hours: 60 (LEC)

MOT-120 - MEDICAL OFFICE FINANCIAL MANAGEMENT 3.0 CR

PREREQUISITE: *College-Level Reading*
Covers the practical uses of accounts and records with emphasis on accounting principles and analysis for use in a medical office.

Clock Hours: 45 (LEC)

MOT-130 - INSURANCE BILLING AND CODING 3.0 CR

PREREQUISITE: *College-Level Reading*

Introduces outpatient coding with an ultimate goal to present a clear picture of medical procedures and services performed (CPT codes), correlating the diagnosis, symptom, complaint, or condition (ICD-9 codes), thus establishing the medical necessity required for third-party reimbursement.

Clock Hours: 45 (LEC)

MOT-136 - INTRODUCTION TO CLINICAL SKILLS 2.0 CR**PREREQUISITE:** BIO-106 MOT-150(19807)*HPR-178; Min. grade C-*

Provides hands-on experience with the basic clinical skills required for assisting with patient care in an ambulatory setting. Delivers the theory behind each skill presented as well as proper technique for performing each skill. Includes knowledge and/or performance of universal precautions/OSHA regulations, HIPAA, medical asepsis, procedural gowning and gloving, patient draping and positioning, and measurement of vital signs.

*Clock Hours: 15 (LEC) 30 (LAB)***MOT-138 - MEDICAL ASSISTING LABORATORY SKILLS 4.0 CR****PREREQUISITE:** BIO-106 HPR-178 MOT-150(19807); *Min. grade C-*

Introduces the student to basic routine laboratory skills and techniques for collection, handling, and examination of laboratory specimens often encountered in the ambulatory care setting. Emphasizes hands-on experience.

*Clock Hours: 30 (LEC) 60 (LAB)***MOT-140 - MEDICAL ASSISTING CLINICAL SKILLS 4.0 CR****PREREQUISITE:** BIO-106, HPR-178, MOT-150;*Min. grade C-*

Provides hands-on experience with the clinical skills required for assisting with patient care. Delivers the theory behind each skill presented as well as proper technique for performing each skill.

*Clock Hours: 30 (LEC) 60 (LAB)***MOT-150 - PHARMACOLOGY FOR MEDICAL ASSISTANTS 3.0 CR****PREREQUISITE:** REA-CLR MAT-060(2963);*Min. grade C-*

Provides an overview of pharmacology language, abbreviations, systems of measurement, and conversions. The Controlled Substances Act, prescriptions, forms of medications, patient care applications, drug classifications/interactions, and safety in drug therapy and patient care are presented. Information regarding the measurement of medications, dosage calculations, routes of administration, and commonly prescribed drugs in the medical office is provided.

*Clock Hours: 30 (LEC) 30 (LAB)***MOT-183 - MEDICAL ASSISTANT INTERNSHIP 5.0 CR****PREREQUISITE:** MOT-110 MOT-120 MOT-130;

MOT-136(20217) MOT-138(20218) MOT-

140(20219); MOT-150(20220) HPR-178; *Min.**grade C-*

Provides supervised placement in a contracted facility for guided experience in application of knowledge and skills acquired in the classroom. The student assists with a variety of business and clinical procedures. Positions are non-paid due to CAAHEP requirements. Student must have permission by program coordinator to begin internship.

Clock Hours: 225 (CLIN)

Music MUS

*** MUS-101 - INTRODUCTION TO MUSIC THEORY 3.0 CR**

Presents music fundamentals, diatonic four-part harmony, analysis, and keyboard harmony. For non-music majors.

*Clock Hours: 45 (LEC)***📖 MUS-120 - MUSIC APPRECIATION 3.0 CR****PREREQUISITE:** *College-Level Reading*

Covers the basic materials of music, musical forms, media, genres, and musical periods. Emphasizes the

development of tools for intelligent listening and appreciation.

*Prev. Course Codes: (HUM-161) Clock Hours: 45**(LEC)***📖 MUS-121 - MUSIC HISTORY I 3.0 CR****PREREQUISITE:** *College-Level Reading*

Studies the various periods of music history with regard to the composers, esthetics, forms, and genres of each period. Considers music from the Middle Ages through the Classic periods.

*Prev. Course Codes: (MUS-167) Clock Hours: 45**(LEC)***📖 MUS-122 - MUSIC HISTORY II 3.0 CR****PREREQUISITE:** MUS-120 or MUS-121; *Min.**grade C-*

Continues Music History I with a study of music from the early Romantic period to the present.

*Prev. Course Codes: (MUS-168) Clock Hours: 45**(LEC)***📖 MUS-123 - SURVEY OF WORLD MUSIC 3.0 CR****PREREQUISITE:** *College-Level Reading*

Provides an overview of non-Western music from around the world; provides basic listening skills and the historical/cultural context for a variety of world music styles to enable an understanding of non-Western musical expression.

*Clock Hours: 45 (LEC)***📖 MUS-125 - HISTORY OF JAZZ 3.0 CR****PREREQUISITE:** *College-Level Reading*

Provides a survey of the basic materials of music and the forms, media, genres, historical, and cultural style periods of jazz. It emphasizes the development of tools for intelligent listening and appreciation.

*Clock Hours: 45 (LEC)**** MUS-131 - MUSIC CLASS I: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. This course also introduces basic techniques, repertoire, and sight reading.

*Prev. Course Codes: (MUS-131A) (MUS-131B)**(MUS-151FG) (MUS-270FS) (MUS-116A)**(MUS-150GE) Clock Hours: 30 (LEC)**** MUS-132 - MUSIC CLASS II: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight reading. First year, second term.

*Prev. Course Codes: (MUS-132A) (MUS-132B)**(MUS-132A) (MUS-117A) (MUS-148) Clock**Hours: 30 (LEC)**** MUS-133 - MUSIC CLASS III: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight-reading. First year, third term.

*Clock Hours: 30 (LEC)**** MUS-141 - PRIVATE INSTRUCTION 1.0-2.0 CR**

One credit primarily for non-music majors. Two credits for music majors planning to transfer to 4-year schools. Offers private instruction consisting of a thirty or sixty minute lesson per week. Participation in a student performance is required at least once each term for one credit. Regular attendance at and participation in student performances is required for two credits. First year, first term.

*** MUS-142 - PRIVATE INSTRUCTION 1.0-2.0 CR**

One credit primarily for non-music majors. Two credits for music majors planning to transfer to a four-year school. Offers private instruction consisting of a thirty or sixty-minute lesson per week. Participation in a student performance is required at least once each term for one credit. Regular attendance at and participation in student performances is required for two credits. First year, second term.

*** MUS-151 - ENSEMBLE 1.0 CR**

Rehearses and performs various types of musical literature.

*Prev. Course Codes: (MUS-151B) (MUS-151CA)**(MUS-141) (MUS-150JA) (MUS-150CA) Clock**Hours: 37.5 (LAB)**** MUS-152 - ENSEMBLE II 1.0 CR**

Rehearses and performs various types of musical literature.

*Prev. Course Codes: (MUS-151JI) (MUS-151MP)**(MUS-160BG) (MUS-270MP) (MUS-150BG)**Clock Hours: 37.5 (LAB)**** MUS-153 - ENSEMBLE III 1.0 CR****PREREQUISITE:** MUS-152; *Min. grade C-*

Rehearses and performs various types of musical literature. First year, third term.

*Clock Hours: 30 (LAB)***MUS-154 - ENSEMBLE IV 1.0 CR****PREREQUISITE:** MUS-153; *Min. grade C-*

Rehearses and performs various types of musical literature. First year, fourth term.

*Clock Hours: 30 (LAB)***MUS-175 - SPECIAL TOPICS 1.0-6.0 CR**

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

*** MUS-231 - MUSIC CLASS I: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight-reading. Second year, first term.

*Clock Hours: 30 (LEC)**** MUS-232 - MUSIC CLASS II: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight-reading. Second year, second term.

*Clock Hours: 30 (LEC)**** MUS-233 - MUSIC CLASS III: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight-reading. Second year, third term.

*Clock Hours: 30 (LEC)**** MUS-234 - MUSIC CLASS IV: (INSTRUMENT) 2.0 CR**

Applies the fundamentals of music to the voice or specific musical instruments. The course also introduces basic techniques, repertoire, and sight-reading. Second year, fourth term.

*Clock Hours: 30 (LEC)***MUS-275 - SPECIAL TOPICS 1.0-6.0 CR**

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Prev. Course Codes: (MUS-290B)

Natural Resource Education NRE

NRE-100 - FOUNDATIONS OF FORESTRY 3.0 CR

PREREQUISITE: College-Level Reading

Presents the principles of forest science, dendrology, forest fire behavior, and silviculture principles.

Clock Hours: 45 (LEC)

NRE-114 - COLORADO WILDLIFE 3.0 CR

PREREQUISITE: College-Level Reading

Studies the wildlife and management of wildlife in Colorado. Explores the vast natural environments of Colorado animals. Field activities to various locations are included to enhance the student's understanding of Colorado native birds, insects, reptiles, amphibians, mammals, and fish.

Clock Hours: 67.5 (LECLB)

NRE-121 - INTRODUCTION TO HYDROLOGY 3.0 CR

PREREQUISITE: College-Level Reading

Introduces the movement of ground and surface water. Basic flow equations and graphs are used.

Clock Hours: 30 (LEC) 30 (LAB)

NRE-127 - FIELD MONITORING TECHNIQUES 2.0 CR

PREREQUISITE: College-Level Reading

Teaches the basic techniques utilized by land and water environmental technicians. Students will obtain training in the areas of field equipment use and calibration (inclusive of flow meters, water and soil quality instrumentation, etc.). Students will also learn the importance of properly designed data collection efforts and the limitations imposed by data collection and interpretation activities. Application of statistics and GIS data interpretation methods will also be discussed. *Prev. Course Codes: (NRM-127) Clock Hours: 15 (LEC) 30 (LAB)*

NRE-175 - SPECIAL TOPICS 5-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Prev. Course Codes: (NRM-175)

NRE-187 - COOPERATIVE EDUCATION 1.0-6.0 CR

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor will work with the student to select an appropriate work site, establish learning objectives, and to coordinate learning activities with the employer or work site supervisor.

NRE-210 - HAZARDOUS & NON-HAZARDOUS WASTE MANAGEMENT 3.0 CR

Describes the origin, types, collection, handling, treatment, and disposal of various types of hazardous and non-hazardous wastes. Sanitary landfill construction, land surface application, and mechanical, thermal, and biological processing will be covered. Methods for waste treatment will be discussed. The basic steps of risk management will be covered.

Prev. Course Codes: (HWM-210) Clock Hours: 45 (LEC)

NRE-211 - ENVIRONMENTAL POLICIES & ECONOMICS 3.0 CR

PREREQUISITE: College-Level Reading

Covers interactions, resources, economics and politics, government, and environmental policy. Evaluation of alternative resource use patterns and land use plans. Discussion and analysis of current environmental issues and the impact of economic growth.

Clock Hours: 45 (LEC)

NRE-212 - ECOSYSTEM MANAGEMENT 3.0 CR

PREREQUISITE: ENV-101GIS-100 BIO-111;

Min. grade C-

Focuses on the larger landscape in order to integrate the human, biological, and physical dimensions of natural resource management. Collaborative management techniques are discussed.

Clock Hours: 45 (LEC)

NRE-214 - ENVIRONMENTAL ISSUES & ETHICS 3.0 CR

Focuses on special environmental problems, current issues, or trends. Traditional and environmental philosophies are discussed. Students debate various environmental issues.

Clock Hours: 45 (LEC)

NRE-226 - WETLANDS MONITORING 3.0 CR

Covers the aspect of compliance with local, state, and federal regulations, written reports and oral reporting, and the actual sampling procedures and analysis.

Clock Hours: 30 (LEC) 30 (LAB)

NRE-227 - RECLAMATION SITE MONITORING 3.0 CR

PREREQUISITE: NRE-127 NRE-121(19131)

AGY-240; Min. grade C-

Covers the aspects of compliance with local, state, and federal regulations; written reports; oral reporting; and the actual sampling procedures and analysis.

Clock Hours: 67.5 (LECLB)

NRE-242 - CONSERVATION GIS 3.0 CR

PREREQUISITE: GIS-100; Min. grade C-

Uses actual applications and conservation data to teach ARC GIS and solve common conservation problems.

Clock Hours: 15 (LEC) 60 (LAB)

🏠 NRE-251 - GENERAL OCEANOGRAPHY I 3.0 CR

CO-REQUISITES: NRE-252;

PREREQUISITE: College-Level Reading

Provides a comprehensive introduction to modern geological and chemical oceanography. Includes earth history, plate tectonics, geophysics, geochemistry, marine sediments, the hydrosphere, physical properties of salt water, major and minor components of seawater, and ocean-atmosphere interactions.

Prev. Course Codes: (GEY-225) Clock Hours: 45 (LEC)

* NRE-252 - GENERAL OCEANOGRAPHY I LABORATORY 1.0 CR

CO-REQUISITES: NRE-251;

Covers the lab work that accompanies NRE 251 which is the introduction to modern geological and chemical oceanography. Includes earth history, plate tectonics, geophysics, geochemistry, marine sediments, the hydrosphere, physical properties of salt water, major and minor components of seawater, and ocean-atmosphere interactions.

Prev. Course Codes: (GEY-225) Clock Hours: 30 (LAB)

NRE-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Prev. Course Codes: (NRM-275)

NRE-287 - COOPERATIVE EDUCATION 1.0-6.0 CR

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor will work with the student to select an appropriate work site, establish learning objectives, and to coordinate learning activities with the employer or work site supervisor.

Prev. Course Codes: (NRM-287) Clock Hours: 45 (COOP)

NRE-289 - CAPSTONE 2.0 CR

PREREQUISITE: ENV-101NRE-121 NRE-

127AGY-240; Min. grade C-

Provides a demonstrated culmination of learning within a given program of study.

Clock Hours: 15 (LEC) 30 (LAB)

Nursing Assistant NUA

NUA-101 - CERTIFIED NURSE AIDE HEALTH CARE SKILLS 4.0 CR

CO-REQUISITES: NUA-170;

Prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, restorative services, personal care skills, safety and emergency care issues are covered in theory and lab. The students will learn skills that address mental health needs as well as patient/resident/client rights.

Clock Hours: 90 (LECLB)

NUA-170 - NURSE ASSISTANT CLINICAL EXPERIENCE 1.0 CR

CO-REQUISITES: NUA-101;

Applies knowledge gained from NUA 101 in a clinical setting.

Prev. Course Codes: (NUA-102) Clock Hours: 45 (CLIN)

NUA-175 - SPECIAL TOPICS 5-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

Clock Hours: 7.5 (LEC)

Nursing NUR

NUR-101 - FUNDAMENTALS OF NURSING WITH LAB 5.0 CR

This course introduces students to the fundamentals of nursing care and the theoretical basis for assessing the health status of individuals using evidence-based guidelines. Acquisition of foundational concepts necessary for safe, quality, patient-centered nursing care and patient assessment. Introduces legal and ethical responsibilities while emphasizing cultural diversity within nursing care. Introduces critical thinking applied to nursing, the nursing process, and communication techniques used when interacting with patients and members of the interdisciplinary team. Introduces students to the role of the nurse in identifying normal findings and deviations from normal in patient assessment. Provides students with practice using cognitive and psychomotor skills while conducting a syst

Prev. Course Codes: (NUR-110A) Clock Hours: 45 (LEC) 45 (LAB)

NUR-121 - PHARMACOLOGY I 3.0 CR

Acquisition of the general principles of pharmacology as they relate to safe, quality, patient-centered, evidence-based nursing care of individuals focusing on developmentally and culturally appropriate interventions. Introduces pharmacotherapeutics related to diverse patient populations. Focuses on safety and quality improvement in the administration of medications to patients across the life span and analyzes the impact of the healthcare environment on the nurse's role in administering medications. Includes instruction on dosage calculations and psychomotor skills related to medication administration.

Clock Hours: 30 (LEC) 45 (LAB)

NUR-122 - PHARMACOLOGY II & IV THERAPY 2.0 CR

Acquisition of nursing theory and critical-thinking skills necessary for safe, quality, evidence-based nursing care related to medication administration, intravenous therapy, and venous blood withdrawal. Advanced concepts of pharmacokinetics and pharmacodynamics correlated to common diseases are presented. Emphasizes the steps of the nursing process and information technology used in IV placement and care, venous blood withdrawal, and the administration of medications for safe, quality, patient-centered care to diverse patient populations. Integrates patient teaching related to all routes of medication administration. Emphasizes the nurse's role as patient advocate. This course with the completion of simulation skills meets the requirements of LPN IV certification of the Colorado Stat

Clock Hours: 30 (LEC)

NUR-140 - INTRODUCTION TO GERONTOLOGY 1.0 CR

Acquisition of current evidence-based practice related to the aging population and health care as well as the impact of the growing aging population on the healthcare system. Emphasizes the theoretical basis for safe, quality patient-centered nursing care that is developmentally and culturally appropriate for the aging patient, focusing on common health concerns. Differentiates normal from abnormal health history and physical assessment findings in the aging patient. The student is introduced to the experience of aging through various strategies including repeated contact with an older adult.

Clock Hours: 15 (LEC)

NUR-141 - BASIC CONCEPTS OF MEDICAL-SURGICAL NURSING 3.0 CR

Acquisition of knowledge, critical-thinking skills, and the nursing process necessary for safe, quality, patient-centered, evidence-based nursing care to diverse populations of adult patients experiencing common medical/surgical interventions. Includes the standards of practice, and legal and ethical responsibilities of the roles of the nurse as applied in the acute care setting. Emphasizes the nurse's role in interprofessional collaboration and culturally-competent care.

Clock Hours: 45 (LEC)

NUR-155 - IV THERAPY FOR LPNS 2.0 CR

Acquisition of nursing theory and critical-thinking skills necessary for safe, quality, evidence-based nursing care related to intravenous therapy and venous blood withdrawal. Integrates the standards of practice, and legal and ethical responsibilities of the roles of the nurse. Provides learning related to both theory and psychomotor skills. This is the first of two courses that meet the requirements of IV certification of the Colorado State Board of Nursing. This course is available to Licensed Practical Nurses who need IV certification to practice IV therapy in the state of Colorado. To register for this course all students must have preapproval from the Director of Nursing Education.

Clock Hours: 15 (LEC) 45 (LAB)

NUR-161 - BASIC CONCEPTS OF MATERNAL-NEWBORN & PEDIATRIC NURSING 2.0 CR

Acquisition of nursing theory and critical-thinking skills necessary for safe, quality, patient/child/family-centered nursing care that is developmentally and culturally appropriate. Care of both the well and ill patient who is pregnant, the newborn, and the child is covered, including the professional standards, and legal and ethical responsibilities of the roles of the nurse.

Prev. Course Codes: (NUR-171) Clock Hours: 30 (LEC)

NUR-170 - CLINICAL I: FUNDAMENTALS 2.0 CR

Application of foundational psychomotor skills, psychosocial concepts, critical thinking, communication, fundamental nursing concepts, and the nursing process to safe, quality, patient-centered nursing care for the aging patient in a long-term care setting. Identifies the role of the nurse when collaborating with the interprofessional healthcare team. Studies the long-term care setting and care guidelines related to the National Patient Safety Goals. Identifies the legal and ethical responsibilities in the role of provider of care. Simulator is utilized in this course for students to apply principals of fundamental nursing and develop critical thinking skills.

Prev. Course Codes: (NUR-111) Clock Hours: 90 (CLIN)

NUR-171 - CLINICAL II: MEDICAL-SURGICAL 4.0 CR

Application of the theoretical basis and psychomotor skills for safe, quality, evidence-based, patient-centered nursing care for the patient undergoing various medical/surgical interventions and the effect of those conditions on the patient and the patient's support persons. Focuses on care that is developmentally and culturally appropriate. Integrates standards of practice, and legal and ethical responsibilities of the roles of the nurse while collaborating with members of the interprofessional healthcare team. Applies communication theory when interacting with patients, as well as using information technology to locate, use, and communicate patient care information. Compares and contrasts care delivered in a variety of healthcare settings. Provides experiences to assist students to develop

Prev. Course Codes: (NUR-112) Clock Hours: 180 (CLIN)

NUR-172 - CLINICAL III: MATERNAL-NEWBORN & PEDIATRIC NURSING 1.0 CR

CO-REQUISITES: NUR-161;

Application of the theoretical basis and psychomotor skills for safe, quality, evidence-based, patient/child/family-centered nursing care during the reproductive experience, focusing on wellness, common deviations from normal, and effects of common illnesses. Focuses on care that is developmentally and culturally appropriate. Integration of standards of practice, and legal and ethical responsibilities of the roles of the nurse while collaborating with members of the interprofessional healthcare team. Applies communication theory when interacting with patients as well as using information technology to locate, use, and communicate patient care information. Simulation is utilized in this course for students to apply principles of maternal-newborn nursing and develop critical-thinking skill

Clock Hours: 45 (CLIN)

NUR-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

NUR-179 - TRANSITION TO PRACTICAL NURSING CLINICAL 2.0 CR

Application of the theoretical basis and psychomotor skills for safe, quality, evidence-based, patient-centered nursing care with a focus on medical/surgical conditions and the effect of those conditions on the patient and the patient's support persons. Includes experience providing culturally and developmentally appropriate nursing care to a diverse patient population in an acute care setting. Integration of standards of practice, and legal and ethical responsibilities of the roles of the nurse while collaborating with members of the interprofessional healthcare team. Applies communication theory when interacting with patients as well as using information technology to locate, use, and communicate patient care information. Provides experiences to assist students to develop a professio

Clock Hours: 90 (CLIN)

NUR-212 - CLINICAL IV: COMPLEX MEDICAL-SURGICAL NURSING EXPERIENCE 4.0 CR

Integration of the theoretical basis for safe, quality, evidence-based, patient-centered nursing care covering a variety of illnesses affecting patients and their support persons. Covers nursing care that is developmentally and culturally appropriate in an acute care setting. Emphasis on the legal and ethical responsibilities of the roles of the professional nurse. Also focuses on collaboration with members of the interprofessional healthcare team to provide and improve patient care. Provides experiences to assist students to develop a professional identity emphasizing the nurse's role as manager of care. Applies communication theory when interacting with patients as well as using information technology to locate, use, and communicate patient care information. Simulation is utilized in

Clock Hours: 180 (CLIN)

NUR-215 - COMPLEX MEDICAL-SURGICAL NURSING I 3.0 CR

Acquisition of the theoretical basis for safe, quality, evidence-based, patient-centered nursing care to patients who are acutely ill with complex healthcare issues. Covers nursing care that is developmentally and culturally appropriate for diverse patient populations. Emphasizes standards of practice, and the legal and ethical responsibilities of the roles of the nurse. Also focuses on collaboration with members of the interprofessional healthcare team to provide and improve patient care. Provides experiences to assist students to develop a professional identity, incorporating the five roles of the professional nurse (provider, manager, member of the profession, teacher, and advocate).

Clock Hours: 45 (LEC)

NUR-216 - LEADERSHIP & NURSING MANAGEMENT 2.0 CR

Acquisition of the theoretical basis of the leadership and management role in a variety of healthcare settings for the purpose of providing evidence-based patient care that is developmentally and culturally appropriate. Emphasizes the nurse's role as leader while providing care to individuals and groups of patients with exploration of the five roles of the nurse including provider, manager, teacher, member of the profession, and advocate as implemented in today's healthcare environment. Focuses on the critical thinking and problem solving related to planning, organizing, directing, and controlling resources for safe patient-centered care. Synthesis of theories, principles, concepts and processes relating to continuous quality improvement to produce quality patient outcomes of individuals

Clock Hours: 30 (LEC)

NUR-217 - COMPLEX MEDICAL-SURGICAL II 2.0 CR
CO-REQUISITES: NUR-212;

Acquisition of nursing theory and critical-thinking skills necessary for safe, quality, patient-centered nursing care related to complex medical/surgical problems covering a variety of illnesses affecting patients and their support persons. Emphasizes standards of practice, and the legal and ethical responsibilities of the roles of the professional nurse. Application of critical thinking to planning nursing care including the nursing process, communication techniques, and teaching/learning principles used when interacting with patients and members of the interprofessional team. The lab component introduces advanced psychomotor skills and the scientific rationales for the skills. The simulation laboratory may be used for practice of psychomotor skills.

Clock Hours: 30 (LEC)

NUR-220 - COMPLEX CONCEPTS OF OBSTETRIC & PEDIATRIC NURSING CARE 2.0 CR
CO-REQUISITES: NUR-221;

Acquisition of nursing theory and critical-thinking skills necessary for safe, quality, patient-centered nursing care related to complex problems affecting the patient who is pregnant, the newborn, and the child. Emphasizes standards of practice, and legal and ethical responsibilities of the roles of the nurse. Best practices using evidence-based nursing for improving patient outcomes will be studied. The nurse as leader and advocate demonstrating professional accountability while collaborating with members of the interprofessional healthcare team is emphasized. Application of teaching/learning principles is covered.

Clock Hours: 30 (LEC)

NUR-221 - CLINICAL V: COMPLEX OBSTETRIC & PEDIATRIC CLINICAL EXPERIENCE 2.0 CR
CO-REQUISITES: NUR-220;

Integration of nursing theory and critical-thinking skills necessary for safe, quality, patient/child/family-centered nursing care during the reproductive experience focusing on complications and abnormal conditions and their effects. Focuses on care that is developmentally and culturally appropriate. Integration of standards of practice, and legal and ethical responsibilities of the roles of the professional nurse. Integrates the nursing process, communication theory, critical thinking, evidence-based nursing practice, information technology, and collaboration with members of the interprofessional healthcare team. Students integrate the principles of teaching/learning into the care of the pregnant patient, child, and family. Analyzes patient situations for the purpose of improving pat

Clock Hours: 90 (CLIN)

NUR-230 - MENTAL HEALTH NURSING 2.0 CR

Acquisition of nursing theory and critical-thinking skills necessary for safe, quality, patient-centered nursing care related to the enhancement of mental health, prevention of mental illness, and care of patients with mental health disorders. Integrates principles of care to individuals, groups, and family systems. Focuses on culturally-competent care of diverse patient populations across the life span with a variety of mental health conditions. Integrates standards of practice, and legal and ethical concepts to the care of patients. Provides experiences to assist students to develop a professional identity, incorporating the five roles of the professional nurse (provider, manager, member of the profession, teacher, and advocate).

Clock Hours: 30 (LEC)

NUR-231 - CLINICAL VI: MENTAL HEALTH NURSING 1.0 CR

Integrates the theoretical basis for safe, quality, evidence-based, patient-centered nursing care for the enhancement of mental health, prevention of mental illness, and care of diverse patients across the life span with mental health disorders. Focuses on care that is developmentally and culturally appropriate. Integration of standards of practice, and legal and ethical responsibilities of the roles of the professional nurse. Integrates the nursing process, critical thinking, evidence-based nursing practice, information technology, teaching/learning principles, and collaboration with members of the interprofessional healthcare team. Simulation is utilized in this course for students to apply principles of mental health nursing and develop critical-thinking skills.

Clock Hours: 45 (CLIN)

NUR-260 - CAPSTONE 3.0 CR

CO-REQUISITES: NUR-217;

Synthesis of the theoretical basis and advanced nursing concepts for safe, quality, evidence-based, patient-centered nursing care for diverse patients in a variety of healthcare settings. Focuses on transition from student to graduate nurse by applying the major concepts of the nursing program to patient care while implementing the roles of the professional nurse (provider of care, manager, member of the profession, teacher, and advocate). Simulation may be utilized in this course for students to apply principles of nursing and develop critical-thinking skills.

Clock Hours: 135 (CLIN)

NUR-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue topics of interest. The content of this course is designed on an as-needed basis to provide current, up-to-date information.

Occupational Safety Technician OSH

OSH-100 - INTRODUCTION TO OCCUPATIONAL SAFETY & HEALTH 1.0 CR

PREREQUISITE: *College-Level Reading*

Introduces the student to the occupational safety and health field. Subject topics include general safety and health concepts and terms; historical developments; legislative overview; environmental/safety regulatory framework; hazard identification, recognition, evaluation and control concepts; accident investigation; and ergonomics.

Clock Hours: 15 (LEC)

OSH-115 - GENERAL INDUSTRY STANDARDS 5.0 CR

PREREQUISITE: *College-Level Reading*

Provides an in-depth OSHA certification course for the general industry, and a review of the current OSHA standards contained in 29 CFR 1910. Participants who complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Clock Hours: 75 (LEC)

OSH-117 - 10-HOUR VOLUNTARY COMPLIANCE 1.0 CR

Provides a 10-hour OSHA certification course for general industry, and participants will review the current OSHA standards contained in 29 CFR 1910. Participants who complete the course will

receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Clock Hours: 15 (LEC)

OSH-120 - SAFETY PROGRAM MANAGEMENT & RECORDKEEPING 3.0 CR

Discusses the role of safety in the business community. Emphasizes philosophy of safety and health efforts by management. Examines the role of the safety manager and the types of and need for accurate recordkeeping.

Clock Hours: 45 (LEC)

OSH-125 - CONSTRUCTION INDUSTRY STANDARDS 3.0 CR

PREREQUISITE: *College-Level Reading*

Provides an in-depth OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants who complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Clock Hours: 45 (LEC)

OSH-127 - 10-HOUR CONSTRUCTION INDUSTRY STANDARDS 1.0 CR

Provides a 10-hour OSHA certification course for the construction industry and participants will review the current OSHA standards contained in 29 CFR 1926. Participants who complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

Clock Hours: 15 (LEC)

OSH-145 - FIRE PROTECTION & ANALYSIS 3.0 CR

PREREQUISITE: *College-Level Reading*

Introduces the student to the recognition of possible fire sources and emergency procedures in the event of a fire, as well as an in-depth study of fires and the construction techniques of eliminating fires. This course includes: history of fires, types of extinguishing agents and detecting devices, construction techniques, extinguishing systems, and detecting systems. National Fire Protection and Occupational Safety and Health Standards will be stressed.

Clock Hours: 45 (LEC)

OSH-146 - HAZARDOUS MATERIALS 2.0 CR

PREREQUISITE: *College-Level Reading*

Provides information to students on chemical Right-to-Know awareness. Course topics include: introduction to Right-to-Know awareness, chemical identification, chemical labeling and material safety data sheets.

Clock Hours: 30 (LEC)

OSH-151 - HAZARDOUS WASTE: CHARACTER HEALTH 2.0 CR

Covers working on hazardous waste sites; reviews chemical interactions and effects with an emphasis on health and safety plans. Also included is the use of personal protective apparatus and monitoring instruments. Sampling, handling, labeling, emergency responses, decontamination, and "right to know" laws are covered.

Clock Hours: 30 (LEC)

OSH-152 - HAZARDOUS WASTE: OPERATIONS & EMERGENCY RESPONSE 3.0 CR*PREREQUISITE: College-Level Reading*

This course meets the 40-hour O.S.H.A. training requirement for working on hazardous waste sites and reviews chemical interactions and effects with an emphasis on health and safety plans. Also includes use of personal protective apparatus and monitoring instruments. Sampling, handling, labeling, emergency responses, decontamination, and "right to know" laws are covered.

Prev. Course Codes: (EPT-152) (HWM-211) Clock Hours: 45 (LEC)

OSH-155 - ENVIRONMENTAL REGULATORY FRAMEWORK 3.0 CR

Provides an overview of the regulations which affect the environment. Regulations discussed are: EPA, SARA, CERCLA, RCRA and OSHA's role in the control of potential environmental mishaps.

Clock Hours: 45 (LEC)

OSH-165 - EXCAVATION SAFETY 1.0 CR

Provides detailed information on the safety aspects of trenching and excavation. OSHA standards are stressed. Various types of sloping and shoring methods are covered.

Clock Hours: 22.5 (LECLB)

OSH-215 - ACCIDENT PREVENTION 3.0 CR*PREREQUISITE: College-Level Reading*

Develops the skills needed to recognize hazards and to design elimination techniques through knowledge of accident prevention controls.

Clock Hours: 45 (LEC)

OSH-220 - INTRODUCTION TO INJURY EPIDEMIOLOGY 3.0 CR

Introduces the principles of epidemiology and how they pertain to injury prevention. Stresses the collection of data, principles of injury prevention, and data evaluation. A beginning-level class for students or professionals needing to learn how to collect and evaluate injury data.

Clock Hours: 30 (LEC) 22.5 (LECLB)

OSH-225 - INDUSTRIAL HYGIENE 3.0 CR*PREREQUISITE: College-Level Reading*

Introduces students to the general concepts of industrial hygiene. Topics include: routes of exposure; chemical, physical, and biological hazards; ventilation; noise; and instrumentation. Identification, evaluation, and control of industrial health hazards are stressed.

Clock Hours: 45 (LEC)

OSH-226 - ERGONOMICS: MANAGING TASK STRESS 3.0 CR*PREREQUISITE: College-Level Reading*

Familiarizes the Occupational Safety major with the concepts and application of current Ergonomic theory. Discussion will include work physiology, engineering anthropometry, biomechanics, workstation design, and controls. Students will learn to measure successful application of ergonomic design through improved acceptance of resultant system design.

Clock Hours: 45 (LEC)

OSH-235 - WORKERS' COMPENSATION 2.0 CR*PREREQUISITE: College-Level Reading*

Provides students with an overview of Colorado insurance regulations and will explain how to design and implement a certified risk management program. Students will receive reference material to aid them in designing a certified program.

Clock Hours: 30 (LEC)

OSH-240 - WORKPLACE MONITORING: INSTRUMENTATION & CALIBRATION 4.0 CR

Examines the equipment used in performing measurements of environmental factors in the workplace; including noise, lighting, vibration, chemicals, and heat stress. Emphasizes equipment and methods, equipment calibration, and evaluation of an array of factors found in industrial workplaces.

Clock Hours: 45 (LEC) 30 (LAB)

OSH-245 - SAFETY PROGRAM PLANNING/ADMINISTRATION 3.0 CR*PREREQUISITE: OSH-215; Min. grade C-*

Explores the practical application methods used in developing and administering a safety and health/accident prevention plan. This plan will be developed to meet the current Occupational Safety and Health Administration's standards.

Clock Hours: 45 (LEC)

OSH-246 - SAFETY TRAINING METHODS 3.0 CR*PREREQUISITE: College-Level Reading*

Introduces students to current safety training methods. Topics stressed are organization, preparation, and delivery.

Clock Hours: 45 (LEC)

OSH-247 - CONSTRUCTION SAFETY PROGRAM PLAN/ADMINISTRATION 3.0 CR

Explores the practical application methods used in developing and administering a safety and health/accident prevention plan specific to the building trades.

This plan will be developed to meet the current safety and health plan recommendations developed jointly by OSHA and the National Association of Home Builders.

Clock Hours: 45 (LEC)

OSH-255 - INDUSTRIAL HYGIENE INSTRUMENT LAB 3.0 CR*PREREQUISITE: OSH-225; Min. grade C-;*

Provides a laboratory course where students will gain hands-on skills and knowledge on various monitoring instruments used in the safety profession.

Clock Hours: 67.5 (LECLB)

OSH-281 - INTERNSHIP 6.0 CR*PREREQUISITE: College-Level Reading*

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Clock Hours: 270 (CLIN)

Outdoor Studies OUT

*** OUT-111 - MOUNTAIN ORIENTATION** 2.0 CR

A concentrated field experience in the Colorado mountain environment is provided in this course. Emphasis is on backpacking skills, safety procedures, ecology, geology, geography, and group dynamics.

Prev. Course Codes: (OUT-151) Clock Hours: 60 (LAB)

*** OUT-112 - DESERT ORIENTATION** 2.0 CR

A concentrated field experience in a desert environment is provided in this course. Emphasis is on procedures for group travel and camping, ecology, geography, and safety.

Prev. Course Codes: (OUT-152) Clock Hours: 60 (LAB)

*** OUT-113 - CANYON ORIENTATION** 2.0 CR

A concentrated field experience in canyon environments is provided in this course where students

develop proficiency in canyon travel, group camping, and will explore the geology, geography, and ecology of the canyon country.

Clock Hours: 60 (LAB)

*** OUT-114 - SNOW ORIENTATION** 2.0 CR

A concentrated field experience in snow-covered terrain and winter mountaineering is provided. Emphasis is on orienteering, natural shelter construction, site selection, and survival first aid.

Prev. Course Codes: (OUT-154) Clock Hours: 60 (LAB)

OUT-117 - PROFESSIONAL FLY FISH GUIDING SKILLS I 2.0 CR

Introduces students to the basic skill set required for a successful fly fishing guide experience. Basic skills such as rods, reels, casting, fly types, and reading water will be covered. Students will gain knowledge of how to convey this information to their clients.

Clock Hours: 45 (LECLB)

*** OUT-118 - RIVER ORIENTATION** 2.0 CR

Provides whitewater boat handling and water reading skills through experience on selected rivers. Students will learn river trip planning, river safety procedures, equipment, logistics, camp management, hazard evaluation, the natural history and archeology of river environments, and minimum environmental impact on river environments. You must be at least 17 years old on the first day of class to take this course.

Clock Hours: 60 (LAB)

*** OUT-119 - SWIFT WATER RESCUE TECHNICIAN I** 1.0 CR

Trains and certifies river professionals and recreational users how to handle emergencies and rescue situations on the river. Topics include shallow water crossing, river swims, swimming rescues, shore-based rescues, boat handling and boat based rescues, related equipment, and communication in a variety of rescue situations. You must be at least 17 years old on the first day of class to take this course.

Clock Hours: 30 (LAB)

*** OUT-120 - ORIENTEERING** 1.0 CR

Become familiar with backcountry navigation. Wilderness travel potential will be expanded by learning the proper use of maps, compass, and other tools.

Clock Hours: 30 (LAB)

OUT-122 - BOAT HANDLING FOR FLY FISHING GUIDES 3.0 CR

Introduces students to the basics of boat handling for fly fishing clients. Time will be spent both in the class and on the river learning boating safety, transport and boat care, reading whitewater, and getting assisting clients to locate the best fishing sites.

Clock Hours: 67.5 (LECLB)

*** OUT-123 - TELEMAR SKIING** 1.0 CR*CO-REQUISITES: OUT-134, OUT-215;*

The skills of telemark, or backcountry nordic skiing techniques used on beginning to intermediate terrain, safe and efficient backcountry ski travel, leadership, and judgment development will be emphasized.

Clock Hours: 10 (LEC) 15 (LAB)

*** OUT-127 - RIVER KAYAKING** 1.0 CR

Provides basic kayak and water reading skills. The student will learn boating safety, hazard evaluation, terminology, whitewater river reading skills, paddling strokes, bracing techniques including wet exits, Eskimo rescues, and introduction to the Eskimo roll. Safe, efficient river travel, leadership, and judgment will be emphasized. You must be at least 17 years old on the first day of class to take this course.

Clock Hours: 10 (LEC) 15 (LAB)

- OUT-128 - BACKCOUNTRY SNOWBOARDING** 1.0 CR
Backcountry snowboarding skills and control techniques will be covered in this course. An introduction to the skills of carving and negotiating backcountry terrain, freestyle, and moguls will also be taught. Students will learn how to travel safely and efficiently in the backcountry environment. Outdoor leadership and group handling will be emphasized.
Clock Hours: 22.5 (LECLB)
- * **OUT-134 - INTERMEDIATE TELEMAR SKIING** 1.0 CR
This course provides instruction in intermediate telemark skiing techniques. Topics include ski travel on intermediate terrain. Safe and efficient backcountry telemark skills, judgment, leadership, communication, group handling, and telemark ski technique will be emphasized.
Clock Hours: 22.5 (LECLB)
- * **OUT-135 - INTERMEDIATE ICE CLIMBING** 1.0 CR
This course continues to develop proficiency in technical ice climbing, including equipment selection and safety, knots, belaying and climbing, rappelling, and climbing safety. Safe, fast and efficient ice climbing, leadership, ice climbing site management, and judgment development will be emphasized. Students must be at least 18 years of age on the first day of class to take this course.
Clock Hours: 22.5 (LEC)
- * **OUT-164 - ALPINE RESCUE: SNOW, ICE, CREVASSE** 2.0 CR
An intensive field course covering rescue in alpine environments. Students will review patient assessment, treatment, and evacuation. Students will have an opportunity to review ropework, anchor systems, rappelling, ascending, and belaying. In a backcountry alpine setting students will learn the challenging techniques of crevasse, and snow and ice rescue. Specific attention will be placed on safe travel techniques, escaping belays, lowering, and uphauled. Students will participate in a mock rescue situation, challenging their knowledge of patient assessment and their abilities to perform a safe, quick response to a rescue in a wilderness setting. Must hold a current Wilderness First Responder certification or a current EMT-Basic certification and have experience with climbing and rope h
Clock Hours: 45 (LECLB)
- * **OUT-166 - HIGH ANGLE RESCUE (VERTICAL ROPE RESCUE)** 2.0 CR
An intensive rigging course that addresses rescue in vertical terrain. The course will review safety systems, anchor systems, and lowering/uphaul systems. Scenario-based instruction will cover technical lowers and uphauled of the injured climber, guidelines, pickoff, third man medical, and other practical high-angle rescue techniques.
Clock Hours: 45 (LECLB)
- OUT-175 - SPECIAL TOPICS** 1.0-6.0 CR
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Clock Hours: 15 (LEC)
- * **OUT-187 - INTERNSHIP: OUTDOOR LEADERSHIP** 1.0-6.0 CR
Provides work experience for students to gain practical work experience related to their educational program.
Prev. Course Codes: (OUT-130B) (OUT-280) (REC-221) (REC-258) Clock Hours: 45 (COOP)
- * **OUT-210 - SURVIVAL SKILLS** 1.0 CR
Covers the requirements for staying alive in the backcountry, including deserts and mountains. Topics include the psychology of crisis, individual and group responsibility, decision making, use of resources, and natural hazards.
Prev. Course Codes: (OUT-031) Clock Hours: 15 (LEC)
- OUT-211 - OUTDOOR LEADERSHIP SKILLS** 2.0 CR
Outdoor leadership theory, skills and trip planning will be emphasized. Risk management, permitting agencies, group dynamics, team building, and outdoor skills will also be put into practice.
Prev. Course Codes: (OUT-022) Clock Hours: 45 (LECLB)
- * **OUT-214 - EXPEDITION LEADERSHIP: ICE CLIMBING** 2.0 CR
A concentrated field experience in the techniques of ice climbing instruction, group leadership, and intermediate/advanced ice climbing. Emphasis will be placed on teaching technique, safety, climbing, site management, rescue, and ethics.
Clock Hours: 52.5 (LEC)
- * **OUT-215 - EXPEDITION LEADERSHIP: TELEMAR SKIING** 2.0 CR
Intermediate and advanced techniques of telemark skiing in the back country is emphasized during this field experience. Curriculum taught will focus on group leadership in a backcountry setting. Navigation and route selection, avalanche awareness, and other safety concerns will be emphasized.
Clock Hours: 52.5 (LEC)
- OUT-216 - CHALLENGE COURSE FACILITATION** 2.0 CR
This course provides approaches to challenge course management including construction and maintenance of high and low elements, facilitation and group dynamics, risk management and safety, and challenge course philosophies.
Clock Hours: 45 (LECLB)
- OUT-217 - PROFESSIONAL FLY FISH GUIDING SKILLS II** 2.0 CR
PREREQUISITE: OUT-117(19612); Min. grade C-
Introduces students to the higher-level skill set required for a successful fly fishing guided experience. Topics will include lake and river dynamics and finding the fish, and fly tying as well as the effects of weather on guided experiences. Methods of guiding the client to the best fishing locations will be discussed. These include wading, floating, and moving water as well as a variety of both hard and inflatable boats. Methods will be taught on the presentation of the fly, successfully striking the fish, and catch and release techniques. Other topics directly related to the business of fly fishing such as risk management, etiquette, permitting, and types of related careers will be discussed.
Clock Hours: 45 (LECLB)
- * **OUT-220 - OCEAN ORIENTATION** 2.0 CR
Provides marine navigation, sea kayak handling, and skills necessary for safe and efficient marine travel. Students will learn trip planning, safety, equipment, camp management, hazard evaluation, and environmental impact on ocean environments. Navigation skills, safe and efficient travel, leadership, and judgment development will be emphasized. You must be at least 17 years old on the first day of class to take this course.
Clock Hours: 60 (LAB)
- * **OUT-230 - KAYAK TOURING LEADERSHIP BLOCK** 4.0 CR
Provides basic and intermediate sea kayaking skills. Students will learn boating skills, kayaking packing, safety evaluation and avoidance, navigation, terminology, basic paddle strokes, bracing, launching and landing in flat water, marine communication protocols, deep water wet exits and assisted/unassisted wet entries, safe and efficient kayak touring, leadership and judgment related to sea kayaking, rough water capsize procedures, towing, launching and landing in moderate surf, tides and currents, rough water assisted/unassisted entries, Eskimo rolls, Maritime Rules of the Road, teaching techniques, safety, group management on the water, rescue, transporting injured boaters, and ethics. You must be at least 17 years old on the first day of class to take this course.
Clock Hours: 100 (LECLB)
- * **OUT-232 - MOUNTAINEERING LEADERSHIP BLOCK** 4.0 CR
This course covers beginning through intermediate skills required for technical mountaineering in an alpine environment. Topics include land navigation, route finding, hiking, techniques necessary for safe and efficient technical mountain travel, rope and steep snow climbing, crevasse rescue, and glacier travel techniques. Interpersonal topics including mountaineering leadership, communication, group handling, and the development of judgment relating to groups traveling in the mountain environment will be emphasized. Students will also develop knowledge, techniques, approaches, and methodology for teaching and leading safe mountaineering expeditions.
Clock Hours: 100 (LECLB)
- * **OUT-234 - ROCK CLIMBING LEADERSHIP BLOCK** 4.0 CR
A multi-day rock climbing course for Outdoor Recreation Leadership majors. This course includes developing skills in beginning and intermediate rock climbing techniques on a variety of rock media; rope handling; knots; rappelling and rescue techniques; safety procedures; rock site management; top rope and lead climbing anchor placements; top belay; sling-shot belay; and mock-lead climbing; equipment care, use, and maintenance; and communication, group handling, and judgment in the context of rock climbing. Students will also develop knowledge, techniques, approaches, and methodology for teaching and leading all aspects of rock climbing expeditions. Emphasis will be on safety and judgment in teaching and leading rock climbing activities.
Clock Hours: 100 (LECLB)
- * **OUT-236 - ICE CLIMBING LEADERSHIP BLOCK** 4.0 CR
Develops the knowledge and skills necessary to instruct and safely lead a group on an ice climbing experience.
Clock Hours: 100 (LECLB)
- * **OUT-238 - TELEMAR SKIING LEADERSHIP BLOCK** 4.0 CR
Develops the knowledge and skills necessary to safely lead a group on a backcountry telemark skiing experience.
Clock Hours: 100 (LECLB)
- * **OUT-240 - WHITewater PADDLING LEADERSHIP BLOCK** 4.0 CR
Develops the knowledge and skills necessary to instruct and safely lead a group on a whitewater paddling experience using either whitewater rafts or kayaks. You must be at least 17 years old on the first day of class to take this course.
Clock Hours: 100 (LECLB)

OUT-275 - SPECIAL TOPICS 1.0-6.0 CR
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Prev. Course Codes: (OUT-290C) (OUT-290B) (OUT-290A) Clock Hours: 15 (LEC)

* **OUT-287 - INTERNSHIP: OUTDOOR LEADERSHIP** 1.0-6.0 CR
Provides work experience for students to gain practical work experience related to their educational program.

Prev. Course Codes: (OUT-130A)

* **OUT-295 - INTEGRATING OUTDOOR LEADERSHIP** 4.0 CR
This capstone course emphasizes how outdoor recreation leadership can be integrated into future employment opportunities as well as future educational plans. Students will develop a professional portfolio including a summation of activities at CMC such as class notes, syllabi, exams and quizzes, research papers, earned certificates, handouts, and professional resume.

Clock Hours: 60 (LEC)

Paralegal PAR

PAR-115 - INTRODUCTION TO LAW 3.0 CR

PREREQUISITE: College-Level Reading

Provides an understanding of the role of paralegals, issues facing paralegals, the working of the legal system, and ethical questions. Legal terminology and an overview of the substantive areas of law will be discussed.

Clock Hours: 45 (LEC)

PAR-116 - TORTS 3.0 CR

PREREQUISITE: College-Level Reading

Focuses on tort law, including negligence, intentional torts, and strict liability, with an emphasis on personal injury litigation.

Clock Hours: 45 (LEC)

PAR-117 - FAMILY LAW 3.0 CR

PREREQUISITE: College-Level Reading

Emphasizes domestic law, common property, dissolutions, adoptions, legal separation, and other family law issues.

Clock Hours: 45 (LEC)

PAR-118 - CONTRACTS 3.0 CR

PREREQUISITE: College-Level Reading

Examines the basic principles of contract law.

Clock Hours: 45 (LEC)

PAR-125 - PROPERTY LAW 3.0 CR

PREREQUISITE: College-Level Reading

Focuses on real estate law, ownership, sale, leasing, financing and government regulation of land.

Clock Hours: 45 (LEC)

PAR-127 - LEGAL ETHICS 3.0 CR

PREREQUISITE: College-Level Reading

Explores the parameters of professional responsibilities and value systems for paralegals and related occupations.

Clock Hours: 45 (LEC)

PAR-201 - CIVIL LITIGATION 3.0 CR

PREREQUISITE: PAR-115; Min. grade C-

Focuses on an intensive study of the legal process including the Federal and Colorado Rules of Civil Procedure.

Clock Hours: 45 (LEC)

PAR-206 - BUSINESS ORGANIZATIONS 3.0 CR

PREREQUISITE: PAR-115; Min. grade C-

Focuses on the study of the major types of business organizations.

Clock Hours: 45 (LEC)

PAR-211 - LEGAL RESEARCH 3.0 CR

PREREQUISITE: PAR-115; Min. grade C-

Introduces the student to basic legal research tools, including statutes, digests, case law, citators, encyclopedias, dictionaries, and online data bases.

Clock Hours: 45 (LEC)

PAR-213 - LEGAL RESEARCH & WRITING I 3.0 CR

PREREQUISITE: College-Level Reading

Provides an introduction to legal research and writing.

Clock Hours: 45 (LEC)

PAR-214 - LEGAL RESEARCH & WRITING II 3.0 CR

PREREQUISITE: PAR-213; Min. grade C-

Serves as an advanced course in legal research and writing.

Clock Hours: 45 (LEC)

PAR-287 - COOPERATIVE EDUCATION 5-6.0 CR

PREREQUISITE: College-Level Reading

Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor will work with the student to select an appropriate work site, establish learning objectives, and to coordinate learning activities with the employer or work site supervisor.

Clock Hours: 45 (COOP)

PAR-289 - CAPSTONE 5-6.0 CR

PREREQUISITE: College-Level Reading

Emphasizes a synthesis of the information and skills that students learned throughout their paralegal studies.

Clock Hours: 7.5 (LEC)

Physical Education PED

* **PED-100 - BEGINNING GOLF** 1.0 CR

This course is a basic course in golf designed for those who have had little or no formal instruction or for those with some experience who are interested in improving some aspect of their game. Driving range, putting green, and on course play are included.

Prev. Course Codes: (PED-164) (PAC-136) (PAC-151F) Clock Hours: 30 (LAB)

* **PED-102 - VOLLEYBALL** 1.0 CR

Introduces and improves student skill level in volleyball. The primary emphasis is on teaching the student the elements of volleyball including rules, offensive and defensive play, passing, serving, setting, attacking, team play, and game strategies.

Clock Hours: 30 (LAB)

* **PED-105 - BASKETBALL** 1.0 CR

Introduces basketball and focuses on improving student skill level. Emphasizes teaching the student the elements of basketball rules, offensive and defensive footwork, shooting, passing, dribbling, rebounding, team play, and game strategies.

Clock Hours: 30 (LAB)

* **PED-106 - TENNIS** 1.0 CR

Introduces tennis and focuses on improving the skill level of the student. Emphasizes the elements of tennis including the rules of the game, groundstrokes, serving, the various shots, and singles and doubles play and strategies.

Prev. Course Codes: (PED-157) (PAC-131) (PAC-151E) Clock Hours: 30 (LAB)

* **PED-107 - SOCCER** 1.0 CR

This course will give the student the opportunity to gain knowledge and skills in the subject of soccer, including history, governing organizations, laws of the game, skills techniques, offensive and defensive tactics, and conditioning.

Prev. Course Codes: (PED-181) (PAC-206) (PAC-151S) Clock Hours: 30 (LAB)

* **PED-108 - BEGINNING SWIMMING** 1.0 CR

Teaches the fundamentals of swimming including the front crawl, elementary backstroke, back crawl, and the fundamentals of treading water. Students may also be introduced to the breaststroke and sidestroke and the basics of turning at a wall. This course is for the non-swimmer or novice swimmer looking to improve aquatic skills.

Prev. Course Codes: (PED-165) (PAC-141) (PAC-151G) Clock Hours: 30 (LAB)

* **PED-112 - CONDITIONING LAB** 1.0 CR

Offers an independent self-paced format of conditioning exercises to meet individual needs. Emphasizes the value of lifetime fitness and its contribution to achieving personal health and wellness. Students utilize cardio-respiratory, muscular strength, and endurance exercises to promote positive changes in health-related fitness components.

Clock Hours: 30 (LAB)

* **PED-116 - WEIGHT TRAINING** 1.0 CR

Offers basic instruction and practice in weight training. Students utilize weight training equipment in accordance with their abilities and goals. Emphasizes weight training equipment orientation, correct lifting techniques, and basic program design for men and women.

Prev. Course Codes: (PAC-196A) (PAC-196) (PAC-151Q) Clock Hours: 30 (LAB)

* **PED-119 - FITNESS CIRCUIT TRAINING** 1.0 CR

Examines a number of different circuit training programs. Emphasizes the development of cardiovascular endurance, muscular strength and endurance, flexibility, and a healthy body composition to meet individual needs.

Clock Hours: 30 (LAB)

* **PED-121 - STEP AEROBICS** 1.0 CR

Introduces basic step aerobics and exercise techniques to improve physical fitness. Emphasizes the basic principles of step aerobics including the effects upon the cardio-respiratory system and skeletal muscles, various step patterns, and choreography.

Clock Hours: 30 (LAB)

* **PED-123 - BICYCLE TOURING** 1.0 CR

Introduces bicycle touring over a variety of terrains and distances. Selection and maintenance of equipment, pre-tour conditioning, safety, and dietary factors will be covered.

Prev. Course Codes: (PAC-205A) (PAC-150) (PAC-151L) (PED-174) Clock Hours: 30 (LAB)

* PED-124 - MOUNTAIN BIKING 1.0 CR

Introduces basic mountain biking skills and techniques. The primary emphasis is to gain an understanding of the basic principles of mountain biking. Students develop skills and techniques for all riding situations, review bicycle anatomy, and basic maintenance and repairs.

Clock Hours: 30 (LAB)

* PED-125 - BOWLING 1.0 CR

Introduces bowling fundamentals to improve the student's skill level. The primary emphasis is on teaching the student the elements of bowling, rules and regulations, footwork, courtesies, delivery, selection of ball, scoring, and team and individual competition.

Clock Hours: 30 (LAB)

* PED-127 - INTRODUCTION TO FLY-FISHING 1.0 CR

Enables the student to gain the knowledge and skill of the fine art of fly-fishing, including selection and use of appropriate equipment, fly-casting techniques, fly-fishing entomology, and guiding techniques. Includes several field trips to local fly-fishing areas. You must be at least 17 years old on the first day of class to take this course.

Prev. Course Codes: (PED-185) (PED-185A) (PAC-245) Clock Hours: 30 (LAB)

* PED-129 - SCUBA DIVING 1.0 CR

PREREQUISITE: PED-108; Min. grade C- Provides basic instruction in scuba diving. Focuses on the knowledge and skills related to swimming and snorkeling, diving equipment, communications, the environment, safety, dive tables, and other pertinent information a student needs for safe scuba diving. This course prepares the student for open water (PADI) certification.

Prev. Course Codes: (PED-1662) (PAC-143) (PAC-151H) Clock Hours: 30 (LAB)

* PED-131 - NORDIC SKIING 1.0 CR

Provides the student with the fundamental skills of nordic skiing. Emphasizes skiing technique, conditioning, safety, and equipment. The course incorporates classroom and activity sessions. Conditioning in the fitness center and trips to local ski areas are covered. Students must complete a health waiver.

Clock Hours: 30 (LAB)

* PED-132 - SNOWSHOEING 1.0 CR

Emphasizes the basic skills, equipment, clothing, and techniques of snowshoeing. It includes the objective dangers involved with winter recreation.

Clock Hours: 30 (LAB)

* PED-133 - BEGINNING SNOWBOARDING 1.0 CR

Serves as a basic snowboarding course designed for those who have had little or no prior snowboarding experience. Incorporates a combination of on-the-snow classes at an established ski area and classroom instruction.

Prev. Course Codes: (PED-152) (PAC-116) (PAC-119) Clock Hours: 30 (LAB)

* PED-134 - ADVANCED SNOWBOARDING 1.0 CR

PREREQUISITE: PED-133; Min. grade C- Introduces advanced snowboarding designed for those with prior snowboarding experience and can link skidded turns with good speed and control on green and blue terrain. Covers a combination of on-the-snow classes at an established ski area and classroom instruction.

Prev. Course Codes: (PED-154) (PAC-118) (PAC-119C) Clock Hours: 30 (LAB)

* PED-135 - INTERMEDIATE TENNIS 1.0 CR

PREREQUISITE: PED-106(146); Min. grade C- Introduces advanced instruction and practice for students who already have playing experience and skill in the basic strokes. Emphasizes learning the lob, smash, half-volley, serve variations and tennis strategy for singles and doubles.

Clock Hours: 30 (LAB)

* PED-136 - ADVANCED WEIGHT TRAINING 1.0 CR

PREREQUISITE: PED-116; Min. grade C- Offers guided instruction and independent practice in weight training for men and women. Students practice various weight training techniques in accordance with their abilities. Emphasizes physiological considerations, equipment orientation, correct lifting techniques, program design, and nutrition.

Prev. Course Codes: (PAC-197) (PAC-152Q) Clock Hours: 30 (LAB)

PED-137 - VARSITY SPORTS 1.0 CR

Allows the student-athlete an opportunity to participate in a competitive varsity sports program. This course is designed to improve the skills of the Alpine Campus ski team members in training and competitive activities.

Clock Hours: 30 (LEC)

* PED-139 - BEGINNING TELEMAR SKIING 1.0 CR

Provides instruction in the basic techniques of the telemark turn on gentle terrain using cross country skis.

Prev. Course Codes: (PED-148) (PAC-110) (PAC-107) (PAC-151CT) Clock Hours: 30 (LAB)

* PED-141 - BEGINNING ALPINE SKIING 1.0 CR

Presents a basic Alpine skiing course designed for those who have had little or no prior downhill skiing experience. The course will consist of a combination of on-the-snow classes at an established ski area and classroom instruction at the college. For purposes of instruction, students will be assigned to small groups based on their present skiing ability.

Clock Hours: 30 (LAB)

* PED-142 - ADVANCED ALPINE SKIING 1.0 CR

Presents an advanced skiing course designed for students who are ready for advanced instruction in parallel skiing. The course will consist of a combination of on the snow classes at an established ski area and classroom instruction at the college. Students will be divided into small groups and assigned to instructors based on demonstrated skiing ability. All on snow instruction will be by certified ski instructors employed by the ski area.

Clock Hours: 30 (LAB)

* PED-143 - TAI CHI I 1.0 CR

Introduces Tai Chi as an expression of understanding of self control, exercise, and self-defense. The primary emphasis is to gain an understanding of the history (origins and changes) of Tai Chi, the movements and their names, application of movements, and terminology.

Prev. Course Codes: (MAA-115) Clock Hours: 30 (LAB)

* PED-144 - TAI CHI II 1.0 CR

PREREQUISITE: PED-143; Min. grade C- Emphasizes the instruction of Tai Chi from a practical and scientific approach with illustrations of applications for each of the movements in daily life. Cardiovascular training, strength and flexibility training, balance, and coordination are integral parts of the Tai Chi training. In addition, psycho-social skills such as

meditation, relaxation, and self efficiency are covered.
Prev. Course Codes: (MAA-116) Clock Hours: 30 (LAB)

* PED-145 - PILATES MATWORK I 1.0 CR

Focuses on Pilates matwork to increase core strength, overall muscle tone, and flexibility with focused and precise floor work techniques. A physical education class built upon the philosophies and exercises of Joseph Pilates.

Clock Hours: 30 (LAB)

* PED-146 - MARTIAL ARTS 1.0 CR

Introduces basic martial arts techniques and forms designed to improve the physical and mental capacity of an individual. Enables the student to gain an understanding of the basic philosophies and concepts around the martial arts and the approach to ethics.

Prev. Course Codes: (MAA-111A) (MAR-111A) (MAR-151A) Clock Hours: 30 (LAB)

* PED-147 - YOGA 1.0 CR

Offers guided instruction in yoga. Students practice yoga according to their individual fitness levels and abilities. Emphasizes enhancing general health and well being through the performance of yoga strength, flexibility, balance and relaxation techniques and exercises.

Prev. Course Codes: (PAC-201) (PAC-151R) Clock Hours: 30 (LAB)

* PED-148 - YOGA II 1.0 CR

PREREQUISITE: PED-147; Min. grade C- Continues to build on the concepts of basic yoga. Increases awareness of yoga including physical and mental benefits.

Prev. Course Codes: (PAC-202) Clock Hours: 30 (LAB)

* PED-149 - ADVANCED KARATE 1.0 CR

PREREQUISITE: PED-146; Min. grade C- Presents an empty-hand form of self defense using all parts of the body in various blocking, kicking, punching and striking techniques against one or more assailants. The style of Karate taught will be Tae Kwon Do. Based on the results of an initial skills test, each student will be assigned two additional kicks, one additional jump kick, and one pattern. Intermediate sparring and self-defense techniques will be taught. Each student will be assigned a goal that they will strive to achieve by the end of the course.

Clock Hours: 30 (LAB)

* PED-150 - ROCK CLIMBING I 1.0 CR

Introduces basic rock climbing, improving dexterity, problem solving skills and the physical work capacity of an individual. Enables the student to gain an understanding of the general principles of climbing, how equipment works and how it is used, basic climbing skills and techniques, safety and climbing etiquette, and terminology. Students must be at least 18 years of age on the first day of class to take this course.

Prev. Course Codes: (PED-168) (PAC-151) (PAC-151M) Clock Hours: 30 (LAB)

* PED-151 - ROCK CLIMBING II 1.0 CR

PREREQUISITE: PED-150; Min. grade C- Introduces lead climbing skills and techniques, problem solving skills, and physical fitness. Emphasizes the general principles of lead climbing, proper usage of equipment, development of lead climbing skills and techniques, climbing ethics and safety, and terminology. Students must be at least 18 years of age on the first day of class to take this course.

Prev. Course Codes: (PED-169) (PAC-152) (PAC-152M) Clock Hours: 30 (LAB)

- * **PED-152 - BEGINNING ICE CLIMBING** 1.0 CR
Introduces technical (roped) ice climbing, including equipment selection and safety, knots, belaying and climbing, rappelling, and climbing safety. Students must be at least 18 years of age on the first day of class to take this course.
Prev. Course Codes: (PED-173) (OUT-126) Clock Hours: 30 (LAB)
- * **PED-156 - INTERMEDIATE NON-TECHNICAL MOUNTAINEERING** 1.0 CR
PREREQUISITE: PED-157 PED-157; *Min. grade C-*
Presents intermediate-level skills required for non-technical mountaineering, which include high altitude camping techniques, navigation, dealing with emergencies, 3rd class and non-technical 4th class climbing, mountain weather, and judgment. Safety will be stressed.
Prev. Course Codes: (PED-172) Clock Hours: 30 (LAB)
- * **PED-157 - BASIC MOUNTAINEERING** 3.0 CR
Provides students with a combination of skills and practical experience in the fundamentals of mountaineering. Emphasizes basic climbing skills and techniques, equipment usage, safety systems, mountain travel and awareness, problem solving and decision-making, high altitude climate and weather, wilderness ethics, and physical fitness.
Prev. Course Codes: (PED-171) (PAC-154) (PAC-151A) (PAC-151MI) Clock Hours: 67.5 (LECLB)
- * **PED-160 - BEGINNING SKI RACING** 1.0 CR
Improves the skills of the beginning ski racer. Slalom and Giant Slalom, or Nordic, racing will be covered.
Prev. Course Codes: (PED-145) (PED-241) (PAC-104) Clock Hours: 30 (LAB)
- * **PED-161 - BEGINNING KAYAKING** 1.0 CR
Provides basic kayak and water reading skills. The students will learn boating safety, hazard evaluation, terminology, whitewater river reading skills, paddling strokes, bracing techniques, peel out and eddy turns, and rescue and self rescue techniques including wet exits, Eskimo rescues, and introduction to and practice of the Eskimo roll. You must be at least 17 years old on the first day of class to take this course.
Prev. Course Codes: (PAC-251) (PED-179) Clock Hours: 30 (LAB)
- * **PED-162 - MAP & COMPASS FOR THE OUTDOORS PERSON** 3.0 CR
Covers the reading of highway, forest service, and topographical maps including symbols, legends, border information, and contour lines. Explores the use of magnetic compasses in an outdoor environment and functions that plot a course on maps. Supplemental navigation skills are included.
Clock Hours: 67.5 (LECLB)
- * **PED-165 - WILDERNESS SURVIVAL SKILLS** 3.0 CR
This course emphasizes the physiological, psychological, and practical principles of survival. Survival equipment, wilderness improvising techniques, and wilderness dangers are included.
Prev. Course Codes: (OUT-210) Clock Hours: 67.5 (LECLB)
- * **PED-167 - BASIC SEARCH AND RESCUE** 3.0 CR
Covers the basic fundamentals required for search and rescue in a wilderness environment. Includes tracking techniques and field trips.
Clock Hours: 67.5 (LECLB)
- PED-175 - SPECIAL TOPICS** 1.0-6.0 CR
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
- * **PED-200 - ADVANCED GOLF** 1.0 CR
PREREQUISITE: PED-100; *Min. grade C-*
Covers skills designed for individuals with an advanced level of golfing skills who are interested in improving their game. Driving range, putting green, and on-course instruction and play will be included. Use of woods, irons, wedges, and putting will be stressed. All instruction will be by certified golf instructors.
Clock Hours: 30 (LAB)
- * **PED-201 - HORSEPACKING** 1.0 CR
Offers a back country field trip with focus on horsemanship, horsepacking, camp operation, camp cooking, "Leave No Trace", and safety.
Prev. Course Codes: (PAC-235) (OUT-140) Clock Hours: 30 (LAB)
- * **PED-205 - LOW-IMPACT AEROBICS I** 1.0 CR
Develops overall fitness through low-impact aerobics. The intensity level to develop cardiovascular fitness is maintained, but low-impact movements are stressed. Flexibility, toning, and stretching will also be developed as part of this course.
Prev. Course Codes: (PAC-161) (PAC-161A) (PAC-161C) Clock Hours: 30 (LAB)
- * **PED-206 - SKI CONDITIONING** 1.0 CR
This is an individual conditioning program that builds both aerobic and muscle strength and promotes flexibility for the student planning to participate in either alpine or nordic skiing.
Prev. Course Codes: (PAC-113) (PAC-121) (PAC-151) Clock Hours: 30 (LAB)
- * **PED-209 - SKI MOUNTAINEERING** 1.0 CR
PREREQUISITE: OUT-114 PER-152 or PER-154; *Min. grade C-*
This course provides students with an introduction to foundational knowledge and skills necessary to meet the challenges and enjoyment of skiing or snowboarding backcountry slopes. Using alpine touring, telemark, or snowboard gear students will learn techniques for ascending and descending peaks safely and efficiently. The course also focuses on judgment, decision-making, and leadership in ski mountaineering.
Clock Hours: 22.5 (LECLB)
- * **PED-216 - AEROBICS I** 1.0 CR
This course is designed to improve overall fitness and cardiovascular endurance through aerobic exercise training. Warm-up, stretching, aerobic and dance exercises will be training components for this class.
Prev. Course Codes: (PAC-166) (PAC-151) Clock Hours: 30 (LAB)
- * **PED-217 - AEROBICS II** 1.0 CR
This level of aerobic exercise increases the student's aerobic endurance and further explains the components of aerobic conditioning. Charting and developing cardiovascular rates is stressed.
Prev. Course Codes: (PAC-167) Clock Hours: 30 (LAB)
- * **PED-218 - PHYSICAL CONDITIONING** 1.0 CR
This course is a fitness program combining movement/exercise with an understanding of how exercise contributes to health.
Prev. Course Codes: (PAC-171) (PAC-151NA) Clock Hours: 30 (LAB)
- * **PED-219 - DANCE EXERCISE** 1.0 CR
This class uses dance and stretch exercises from a variety of dance techniques (ballet, modern, jazz) to develop personal fitness.
Prev. Course Codes: (PAC-181) (PAC-151NJ) Clock Hours: 30 (LAB)
- * **PED-220 - WHITEWATER RAFTING** 1.0 CR
Provides whitewater boat handling and reading skills through experience on selected rivers in Colorado and Utah. Students will learn river trip planning, safety procedures, equipment, logistics, camp management, hazard evaluation, and minimum environmental impact. Safe and efficient river travel, leadership, and judgment development are emphasized. You must be at least 17 years old on the first day of class to take this course.
Clock Hours: 30 (LAB)
- * **PED-221 - DYNAMIC WORKOUT** 1.0 CR
This course is designed for those who want to increase flexibility and improve muscle tone through proper exercise techniques using mat work. Body alignment, breathing, and work on the abdominals, hips, and thighs will be emphasized.
Prev. Course Codes: (PAC-191) (PAC-151NV) Clock Hours: 30 (LAB)
- * **PED-223 - BEGINNING MOUNTAINEERING** 1.0 CR
Covered in this course are basic skills required for non-technical mountaineering, which include the alpine environment, route finding, and hiking skills. Safety will be stressed.
Clock Hours: 30 (LAB)
- * **PED-224 - BASIC MOUNTAINEERING** 2.0 CR
Students will be familiarized with equipment selection and skills of snow climbing and rock climbing.
Clock Hours: 60 (LAB)
- * **PED-225 - TREKKING** 1.0 CR
Basic trekking skills and equipment will be considered. The climbing history and basic natural history of each peak climbed are discussed.
Prev. Course Codes: (PED-180) (PAC-157) (PAC-155) (PAC-151MD) Clock Hours: 30 (LAB)
- * **PED-226 - FITNESS WALKING** 1.0 CR
This class is designed to improve cardiovascular fitness and strengthen all major muscle groups. This low impact, aerobic walking will also build endurance.
Prev. Course Codes: (PAC-189) Clock Hours: 30 (LAB)
- PED-227 - ADVANCED FLY-FISHING SKILLS** 1.0 CR
PREREQUISITE: PED-127; *Min. grade C-*
This course will introduce students to the higher level skill set required for a successful fly-fishing guided experience. Topics will include lake and river dynamics and finding the fish. Fly-tying as well as the effects of weather on fishing experiences will be discussed. Various methods of getting the client to the fish will be discussed, including wading and floating moving water as well as a variety of both hard and inflatable boats. Emphasis will be placed on the presentation of the fly, successfully striking the fish, and catch and release techniques. Other topics directly related to the business of fly-fishing such as risk management, etiquette, permitting, and types of related careers will be discussed. You must be at least 17 years old on the first day of class to take this c
Clock Hours: 30 (FIELD)

* **PED-228 - FLY TYING** 1.0 CR
Introduces the student to the elements of fly tying including equipment selection and use, materials, and techniques to tie a wide variety of flies. Basic entomology of insects and life cycle stages imitated by the flytier will be discussed.
Clock Hours: 22.5 (LECLB)

* **PED-237 - PADDLE SPORTS** 2.0 CR
Focuses on the methods and skills of conducting and leading safe lake and river trips in various types of watercraft such as canoes, kayaks, or inflatable boats. Students will learn modern river paddling techniques, trip planning and organization, basic river rescue and safety skills, federal and local permit systems, and minimal impact camping and boating techniques for a river corridor. This course includes a multi-day river expedition. You must be at least 17 years old on the first day of class to take this course.
Clock Hours: 60 (LAB)

* **PED-239 - INTERMEDIATE TELEMAR SKIING** 1.0 CR
Provides instruction in intermediate telemark skiing techniques. Topics include ski travel on intermediate terrain. Safe and efficient backcountry telemark skills, judgement, leadership, communication, group handling, and telemark ski technique will be emphasized.
Clock Hours: 30 (LAB)

* **PED-240 - CARE AND PREVENTION OF SPORTS INJURIES** 3.0 CR
Covers the common athletic injuries from causation to diagnosis and treatment. The student will learn preventative measures and understand rehabilitative regimens. Practical experiences at athletic sporting events will be covered.
Prev. Course Codes: (PED-141) (HFT-141) (HFT-155A) Clock Hours: 30 (LEC) 22.5 (LECLB)

* **PED-243 - ADVANCED TELEMAR SKIING** 1.0 CR
PREREQUISITE: PED-239; *Min. grade C-*
Using nordic equipment specifically designed for telemark alpine skiing, techniques for telemark skiing in all terrains and a variety of conditions will be provided.
Prev. Course Codes: (PED-150) (PED-145) Clock Hours: 30 (LAB)

* **PED-245 - INTERMEDIATE PILATES MATWORK II** 1.0 CR
PREREQUISITE: PED-145; *Min. grade C-*
Builds upon the philosophies and exercises of Joseph Pilates. Pilates Matwork is a prerequisite, as this course builds upon basic techniques learned therein. Core strength, flexibility, overall muscle tone and balance are the goals of the matwork.
Clock Hours: 30 (LAB)

* **PED-246 - ADVANCED PILATES** 1.0 CR
PREREQUISITE: PED-245; *Min. grade C-*
Sustaining core stability through breath, 3rd-level cueing for abdominal connection, spinal flexibility, and focus during class. Incorporates Pilates principles into everyday life and recreational activities. Builds endurance and fitness form.
Clock Hours: 30 (LAB)

* **PED-252 - INTERMEDIATE ICE CLIMBING** 1.0 CR
Continues to develop proficiency in technical ice climbing, including equipment selection and safety, knots, belaying and climbing, rappelling and climbing safety. Safe, fast, and efficient ice climbing, leadership, ice climbing site management, and judgment development will be emphasized.
Clock Hours: 30 (LAB)

* **PED-260 - ADVANCED SKI RACING** 2.0 CR
Develops racing skills in Slalom and Giant Slalom, or Nordic skiing.
Prev. Course Codes: (PED-242) Clock Hours: 60 (LAB)

PED-275 - SPECIAL TOPICS 1.0-6.0 CR
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (PED-270AF) (PED-270MT) (PED-270SN) (PED-270AF) (PED-270SN) (PED-270MT)

Physical Education Recreation PER

* **PER-100 - RECREATION: PRINCIPLES & PRACTICE** 3.0 CR
PREREQUISITE: *College-Level Reading*
The structure and economics of recreation in the United States are examined in this course. The interrelationships of private, public, and volunteer groups will be covered. History, philosophy, and theories of recreation will be introduced. Outdoor Recreation as a base for a community economy will be explored, as well as the career opportunities in Outdoor Recreation.
Prev. Course Codes: (REC-100) Clock Hours: 45 (LEC)

* **PER-113 - INTRODUCTION TO PHYSICAL EDUCATION & SPORT** 2.0 CR
Focuses on the field of physical education and sports. Includes trends, precedents, and their effects in the health and total wellness of those involved.
Prev. Course Codes: (PED-170) (PED-106) (REC-105) Clock Hours: 30 (LEC)

* **PER-150 - WATER SAFETY INSTRUCTOR** 2.0 CR
Prepares students to become certified by the American Red Cross (ARC) as a Water Safety Instructor (WSI). Enables students to develop skills for teaching infant and preschool aquatics, Levels 1-7 in the Learn to Swim program, Community Water Safety, and Water Safety Instructor Aide. Focuses on teaching people with special needs, and planning and conducting safe and effective swim lessons.
Prev. Course Codes: (REC-110) (REC-017) (REC-112) Clock Hours: 45 (LECLB)

* **PER-152 - AVALANCHE SAFETY I** 1.0 CR
Emphasizes the latest information available about the study of avalanches, snow science, rescue equipment, and rescue techniques. Provides students with the knowledge and skills necessary to help instill good judgment and sound skills when making day-to-day travel decisions in the winter environment. Students will receive a certificate of completion stating that the course was taught following the guidelines of the American Avalanche Association's or the National Ski Patrol's avalanche course requirements. Students must be at least 18 years of age on the first day of class to take this course.
Prev. Course Codes: (OUT-160) Clock Hours: 22.5 (LECLB)

PER-154 - AVALANCHE SAFETY II 2.0 CR
PREREQUISITE: PER-152; *Min. grade C*
This seminar is for persons interested in enhancing their understanding of snow and avalanche phenomena, hazard evaluation, rescue, avalanche forecasting, and avalanche hazard mitigation. Students will receive

a certificate of completion stating that the course was taught following the guidelines of the American Avalanche Association's or the National Ski Patrol's avalanche course requirements. Students must be at least 18 years of age on the first day of class to take this course.

Prev. Course Codes: (OUT-260) (SAO-162) (SAO-160) (SAO-047) (SAO-247AC) Clock Hours: 45 (LECLB)

PER-155 - AVALANCHE AWARENESS & BEACON WORKSHOP 1.0 CR
This course is a practical hands-on workshop that introduces students to the skills necessary to travel in avalanche terrain. This is a great introductory course on avalanche awareness or a practical field review for those needing an avalanche skill refresher. Introduces students to the critical concepts of avalanche safety and students will learn about avalanche terrain, weather, snowpack, decision making, and how to execute an avalanche rescue.
Clock Hours: 22.5 (LEC)

* **PER-161 - BACKCOUNTRY COOKING** 1.0 CR
Focuses on menu planning, nutritional requirements for wilderness camping, and meal preparations. Includes cooking a backcountry meal.
Clock Hours: 15 (LEC)

PER-200 - OUTDOOR RECREATION PROGRAMMING 3.0 CR
Provides effective planning, staffing, and budgeting for the outdoor experience for the maximum opportunity for a successful program. Issues of marketing and promotion, agency coordination, risk management, environmental impact, logistics, and the customer needs and expectations are addressed.
Prev. Course Codes: (REC-200) Clock Hours: 45 (LEC)

* **PER-253 - OUTDOOR LEADERSHIP** 2.0 CR
Introduces the development, acquisition, and application of outdoor leadership skills and knowledge. Focuses on the latest information, philosophy, and techniques necessary to safely conduct outdoor programs and expeditions as an outdoor leader. Skills are applied under actual field conditions. Emphasizes minimal impact camping, wilderness ecology, judgment and decision making, group dynamics, and trip logistics. These skills enhance effectiveness as an outdoor leader.
Prev. Course Codes: (OUT-211) Clock Hours: 45 (LECLB)

Philosophy PHI

📖 **PHI-111 - INTRODUCTION TO PHILOSOPHY** 3.0 CR
PREREQUISITE: *College-Level Reading*
Introduces significant human questions and emphasizes understanding the meaning and methods of philosophy. Includes human condition, knowledge, freedom, history, ethics, the future, and religion.
Prev. Course Codes: (PHI-151) Clock Hours: 45 (LEC)

📖 **PHI-112 - ETHICS** 3.0 CR
PREREQUISITE: *College-Level Reading*
Examines human life, experience, and thought in order to discover and develop the principles and values for pursuing a more fulfilled existence. Theories designed to justify ethical judgments are applied to a selection of contemporary personal and social issues.
Prev. Course Codes: (PHI-152) Clock Hours: 45 (LEC)

- PHI-113 - LOGIC** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Studies effective thinking using language oriented logic. Provides tools and develops skills for creative and critical thinking. Emphasizes the development of decision-making and problem solving skills.
Prev. Course Codes: (PHI-153) Clock Hours: 45 (LEC)
- PHI-114 - COMPARATIVE RELIGIONS** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces students to the similarities and differences among concepts predominant in the major world religions, comparing sociological, philosophical, and phenomenological similarities between major world faiths.
Prev. Course Codes: (PHI-115) Clock Hours: 45 (LEC)
- PHI-115 - WORLD RELIGIONS - WEST** 3.0 CR
PREREQUISITE: *ENG-121; Min. grade C-*
 Introduces the student to the common and different concepts predominant in the major world religions. Includes sociological, political, psychological, and philosophical aspects of a variety of belief systems. Focuses on the concept of religion as a cultural system, and a way that people make sense of a complex world. Particular emphasis is placed on how myths, legends, and folk tales reveal religious concerns.
Clock Hours: 45 (LEC)
- PHI-116 - WORLD RELIGIONS - EAST** 3.0 CR
PREREQUISITE: *ENG-121; Min. grade C-*
 Emphasizes the diversity and richness of Eastern religions within a cross-cultural context. Concepts such as fate, reincarnation, enlightenment, and morality are analyzed.
Clock Hours: 45 (LEC)
- PHI-117 - PSYCHOLOGY OF RELIGION** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Focuses on the application of psychological principles and theories to religious phenomena, including religious practices, beliefs, and rituals. Introduces an historical appreciation of psychologists' attempts to understand religion, continues with an exploration of select theories, and concludes with an analysis of modern problems and future directions.
Clock Hours: 45 (LEC)
- PHI-124 - INTRODUCTION TO ISLAM** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces the Islamic religious tradition and considers its significance in the modern world. The course investigates the history of Islam, Islamic beliefs and practices, Islamic sects, Sufism, and contemporary issues of Islamic extremism, women in Islam, and Islam in the West.
Clock Hours: 45 (LEC)
- PHI-140 - RELIGION IN AMERICAN CULTURE** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Investigates the various ways in which religion and American culture interact. Beginning with the religion of Native Americans, which existed in a pre-modern society where religion was unchallenged as the pre-eminent organizing principle to our post-modern era, where religion competes with a multiplicity of other belief systems in a complex societal matrix. Focuses on the sundry ways in which religion and American culture interface.
Clock Hours: 45 (LEC)
- PHI-142 - NEW TESTAMENT** 3.0 CR
PREREQUISITE: *College-Level Reading*
 This course surveys the literature of the early Christian era, from its inception to approximately 150 C.E. The New Testament as well as selected non-canonical writings from the period are examined. The course focuses on the interpretation of these texts in light of the cultural milieu from which they arose. Particular attention is paid to the influence of ancient literary conventions upon the Christian writers of this time.
Clock Hours: 45 (LEC)
- PHI-150 - PHILOSOPHY EAST AND WEST** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Provides an introduction to the major philosophical ideas of Socrates, Lao Tzu, Confucius, Mishima, Nietzsche, and Siddhartha Gautama (the historical Buddha).
Clock Hours: 45 (LEC)
- PHI-175 - SPECIAL TOPICS** 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (PHI-270PE)
- PHI-205 - BUSINESS ETHICS** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Analysis of ethical behavior for business. The premise is that ethics deals with right and wrong standards of behavior that are determined by the ethical and social expectations of society in general, and further, that we expect responsible people to observe the ethical standards of our society. A case approach is used throughout the course. The ethical issues involve trade-offs among ethical decisions and economics, legal, social, and cultural concepts.
Clock Hours: 45 (LEC)
- PHI-214 - PHILOSOPHY OF RELIGION** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Focuses on the critical examination of the fundamental concepts, ideas, and implications of religion. Includes the nature of God, the varieties of religious experience, argument concerning God's existence, the Problem of Evil, faith and reason, religion and human destiny, and the connection between religion and ethics.
Prev. Course Codes: (PHI-145) Clock Hours: 45 (LEC)
- PHI-218 - ENVIRONMENTAL ETHICS** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Critically analyzes theories of value of the natural world. Topics include the relationship between scientific and moral principles; theories of the moral worth of persons, animals, plants, and other natural objects; historical, religious, and cultural influences on conceptions of nature; alternative accounts of human relationships and responsibilities to nature including deep ecology and eco-feminism; and the connection between moral and political values and economic policies.
Clock Hours: 45 (LEC)
- PHI-250 - EASTERN WISDOM** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Covers fundamental theories of Indian, Chinese, Japanese, and Muslim metaphysics, epistemology, ethics, and aesthetics focusing on the development of Hinduism, Buddhism, Confucianism, Taoism, and Shintoism as well as Islam's development in the East.
Clock Hours: 45 (LEC)
- PHI-275 - SPECIAL TOPICS** 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with a vehicle to pursue in-depth exploration of special topics of interest.
- ## Professional Photography PHO
- PHO-105 - PHOTOGRAPHY & COMPUTER ORIENTATION** 2.0 CR
 This course will orient the Professional Photography student with lab operations and procedures of computer labs and networks. An introduction to the Mac OS-X operating system and the numerous applications included with Mac OS-X will be covered. These applications include: Safari, iTunes, iPhoto, iDVD, iMovie, and iWeb.
Prev. Course Codes: (PHP-101) Clock Hours: 45 (LECLB)
- PHO-121 - PHOTO IMAGE CAPTURE I** 2.0 CR
CO-REQUISITES: *PHO-161, PHO-143;*
 This foundation course instructs the fundamental operation of a DSLR camera. The general operation of the camera, proper camera handling and maintenance, exposure control, depth of field, lenses and the visual characteristics of lenses, and an understanding of how digital capture works are emphasized. Additional topics include: f-stops, shutter speeds, metering modes, use of the histogram, auto focus, auto bracketing, and exposure compensation.
Prev. Course Codes: (PHP-121) Clock Hours: 30 (LEC)
- PHO-122 - PHOTO IMAGE CAPTURE II** 2.0 CR
CO-REQUISITES: *PHO-144, PHO-162;*
PREREQUISITE: *PHO-121(19412); Min. grade C*
 This course is a continuation of Photo Image Capture I and further develops camera operation skills and an understanding of digital imaging terminology. A more advanced control and application of camera techniques such as exposure, depth of field, optical effects, and zone focusing will be emphasized. In addition to demonstrating technical competency in the aforementioned areas, students will be expected to utilize these techniques as visual communication tools in order to clearly convey their photographic intent. Additional topics include: macro photography, the effects of image compression, the advantages and disadvantages of shooting JPEG vs. RAW, and use of fill flash.
Clock Hours: 30 (LEC)
- PHO-143 - PERCEPTION & PHOTOGRAPHY I** 3.0 CR
CO-REQUISITES: *PHO-121, PHO-161;*
 This course presents the fundamentals of visual perception, design, and seeing in the photographic medium. Topics include: elements of composition, Gestalt principles and the psychology of seeing, conceptual and perceptual exercises, depth representation, figure/ground, and the development of ideas.
Prev. Course Codes: (PHP-043) (PHP-243A) (PHP-143) Clock Hours: 45 (LEC)
- PHO-144 - PERCEPTION & PHOTOGRAPHY II** 3.0 CR
CO-REQUISITES: *PHO-122, PHO-162;*
PREREQUISITE: *PHO-143(19421); Min. grade C*
 This course moves the foundation of aesthetic principles into a more advanced stage. Through the use of historical examples, students will create images that employ the same visual and philosophical concerns of their predecessors in photographic history. This course is fundamentally a photography history shooting class.
Prev. Course Codes: (PHP-144) Clock Hours: 45 (LEC)

<p>PHO-161 - DIGITAL CAPTURE PROCESSING I 2.0 CR CO-REQUISITES: PHO-121, PHO-143; This course will cover post processing of digital captures. Methods of transferring files from camera to computer, basic digital asset management, image editing tools, optimizing files for print and screen, image sharpening, proper understanding of black and white tonal scale, methods of converting color captures to black and white images, printing, and matting are included. The lab portion of the class will also be used to assist the production of images required for Photo-Image Capture I and Perception & Photography I. <i>Prev. Course Codes: (PHP-161) Clock Hours: 45 (LECLB)</i></p>	<p>PHO-232 - PROFESSIONAL PORTRAITURE 3.0 CR CO-REQUISITES: PHO-251; PREREQUISITE: PHO-122; <i>Min. grade C</i> This course covers the technical and aesthetic aspects of studio and location portrait photography. Course topics include: lighting ratios, lighting styles, location lighting, small system flash, light modifiers for portraiture, metering, composition, equipment, and posing. Career paths in the field of portraiture such as weddings, environmental, editorial, and studio portraits will be covered. <i>Prev. Course Codes: (PHP-232) Clock Hours: 30 (LEC) 30 (LAB)</i></p>	<p>PHO-263 - DIGITAL CAPTURE PROCESSING III 2.0 CR CO-REQUISITES: PHO-251; PREREQUISITE: PHO-162; <i>Min. grade C</i> This course will introduce advanced techniques in post-processing of digital captures. Various workflows for different photographic professions will be emphasized in this class. Image management with special software designed for the professional photographer is also included. Refinement of printing techniques and an introduction to theories of color management will also be covered. <i>Prev. Course Codes: (PHP-263) Clock Hours: 45 (LECLB)</i></p>
<p>PHO-162 - DIGITAL CAPTURE PROCESSING II 2.0 CR CO-REQUISITES: PHO-122, PHO-144; PREREQUISITE: PHO-161; <i>Min. grade C</i> This course is a continuation of Digital Capture Processing I and focuses on digital image processing and printing. Topics include: visual understanding of print quality, basic RAW processing, various digital workflows, further development of vocabulary of digital darkroom terminology, creating and utilizing actions in Photoshop, and further advancement of Photoshop technique. <i>Clock Hours: 45 (LECLB)</i></p>	<p>PHO-234 - VIEW CAMERA & LIGHTING TECHNIQUES 3.0 CR CO-REQUISITES: PHO-251; PREREQUISITE: PHO-122; <i>Min. grade C</i> Instruction in the use of large format cameras and strobe lighting for product photography is the focus of this course. Topics include: types of large format cameras, view camera movements for depth of field and perspective control, lighting ratios, special lighting techniques, light modifiers, bellows factors, and the specific methods of lighting different objects and surfaces such as glass and metal. <i>Prev. Course Codes: (PHP-234) Clock Hours: 30 (LEC) 30 (LAB)</i></p>	<p>PHO-264 - DIGITAL CAPTURE PROCESSING IV 2.0 CR CO-REQUISITES: PHO-252, PHO-268; PREREQUISITE: PHO-263; <i>Min. grade C</i> This course is an in-depth continuation of the topics covered in Digital Capture Processing III, as well as a co-requisite course with Color Capture II that provides the lab-image processing component. Advanced techniques in post-processing of digital captures, refinement of printing techniques, and color management are the focus of this course. Topics include: monitor and printer profiling, ICC profiles, soft-proofing, and various color spaces. <i>Prev. Course Codes: (PHP-264) Clock Hours: 45 (LECLB)</i></p>
<p>PHO-175 - SPECIAL TOPICS 1.0-6.0 CR Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information. <i>Prev. Course Codes: (PHP-175)</i></p>	<p>PHO-236 - PRODUCT PHOTOGRAPHY 3.0 CR CO-REQUISITES: PHO-268; PREREQUISITE: PHO-234; <i>Min. grade C</i> This course is a continuation of View Camera and Lighting Techniques, emphasizing studio product illustration using color transparency film and digital capture. Advanced techniques in lighting, further development of proficiency with the view camera, and advanced aspects of commercial illustration photography are included. <i>Prev. Course Codes: (PHP-236) (PHP-235) Clock Hours: 30 (LEC) 30 (LAB)</i></p>	<p>PHO-268 - PORTFOLIO & CAREER EXPLORATION 4.0 CR CO-REQUISITES: PHO-236, PHO-252, PHO-264; PREREQUISITE: PHO-232 PHO-234 PHO-251 PHO-263; <i>Min. grade C</i> The course is the terminal/capstone course for the Professional Photography program. Completion of all classes or concurrent enrollment in the remaining classes of the program is a requirement. In this class, students will create a computer-based portfolio and a printed presentation portfolio. Different techniques necessary for the production of the portfolios and styles of portfolios are covered. Resumes, cover letters, promotional pieces, presentation techniques, and skills related to the pursuit of careers and furthering education are covered in this class. <i>Prev. Course Codes: (PHP-268) Clock Hours: 30 (LEC) 45 (LECLB)</i></p>
<p>PHO-205 - DIGITAL PHOTOGRAPHY I 3.0 CR Introduces the basic concepts of digital imaging as applied to photography. Using applicable technology and hands-on experience, modern developments are presented leading to the present applications of digital imaging which combine traditional photographic ideas with electronic media. Enables the student to learn how to operate image manipulation software using a variety of scanning equipment, software tools, and output devices by executing new assignments and applying these technologies to their photographic process. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>PHO-251 - COLOR CAPTURE I 2.0 CR CO-REQUISITES: PHO-263, PHO-232, PHO-234; PREREQUISITE: PHO-122; <i>Min. grade C</i> This course will cover color theory including the technical reproduction of colors and the visual use of colors. Exercises in the effective use of color and color reproduction techniques will be emphasized. The continued proper use of the digital camera to capture accurate color, and techniques to further the understanding of digital capture are covered. Various methods to deal with white balancing and Kelvin temperature problems will be discussed and demonstration of proficiency required. <i>Prev. Course Codes: (PHP-251) Clock Hours: 30 (LEC)</i></p>	<p>PHO-275 - SPECIAL TOPICS 1.0-6.0 CR Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information. <i>Prev. Course Codes: (PHP-275)</i></p>
<p>PHO-206 - DIGITAL PHOTOGRAPHY II 3.0 CR Expands upon the beginning digital photography class. Focuses on digital photography in terms of design and communication factors including color, visual design, lighting, graphics, and aesthetics. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>PHO-252 - COLOR CAPTURE II 2.0 CR CO-REQUISITES: PHO-264; PREREQUISITE: PHO-251; <i>Min. grade C</i> This course will cover aesthetic issues including development of style and technical issues of color management. Students will create a series of images within a chosen genre, such as editorial or portraiture, which are unified by their stylistic qualities. Technical topics include the theory of color management. <i>Prev. Course Codes: (PHP-252) Clock Hours: 30 (LEC)</i></p>	<p>PHO-278 - FIELD WORKSHOP 3.0 CR In-depth field studies of specific regions in the Western United States are the topics of this course. The course will focus on the application of field techniques and principles during an extended trip to the area of study. The specific area of investigation will be indicated in the schedule of classes each time the course is offered. <i>Prev. Course Codes: (PHP-270FP) (PHP-270YW) (PHP-270CN) (PHP-270SW) (PHP-270AI) (PHP-270SU) (PHP-270SP) (PHP-270FP) (PHP-270PP) (PHP-047A) (PHP-148A) (PHP-280) Clock Hours: 15 (LEC) 60 (LAB)</i></p>
<p>PHO-208 - DIGITAL PHOTOGRAPHY STUDIO 3.0 CR Introduces digital photography as a fine art medium and develops skills necessary for basic operation of a digital camera and production of digital imagery. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>PHO-286 - COOPERATIVE WORK EXPERIENCE 3.0 CR The student will obtain specialized skills through on-the-job training related to the student's desired vocational interest and goals. The student will work at least eight hours per week and consult an additional one hour per week with the instructor. <i>Clock Hours: 135 (COOP)</i></p>	
<p>PHO-226 - DIGITAL DARKROOM 3.0 CR Teaches computer-aided photography and darkroom techniques. The emphasis of this course is image-editing software, which can be used to color correct, retouch, and composite photographic images. Other topics include image acquisition, storage, file management, special effects, hard copy, and web-based image output. <i>Clock Hours: 67.5 (LECLB)</i></p>		

PHO-287 - COOPERATIVE WORK EXPERIENCE 1.0-6.0 CR
Provides work experience for students to gain practical work experience related to their educational program.
Prev. Course Codes: (PHP-130A)

PHO-288 - COOPERATIVE WORK EXPERIENCE 1.0-6.0 CR
Provides work experience for students to gain practical work experience related to their educational program.
Prev. Course Codes: (PHP-130B) (PHP-030B) (PHP-130B)

Physics PHY

PHY-105 - CONCEPTUAL PHYSICS 4.0 CR
PREREQUISITE: College-Level Reading
Focuses on mechanics, heat, properties of matter, electricity and magnetism, light and modern physics. Incorporates laboratory experience.
Clock Hours: 45 (LEC) 30 (LAB)

PHY-107 - ENERGY SCIENCE & TECHNOLOGY 4.0 CR
PREREQUISITE: College-Level Reading
Provides an in-depth look at the science of energy and energy technologies, with a focus on renewable energy resources and clean technologies. The state of world energy use will provide a context to discuss the need for expansion of renewable energy technology. The course will provide a background in the physics of energy, non-renewable energy methods, the problems of energy transfer and loss, and look at the future utilization of these technologies. This lab-based course will provide the student with the opportunity to explore energy through hands-on activities. Student learning activities may include labs concerning conservation of energy; testing mechanical, electrical, heat and fluid power systems; energy transfer and loss; understanding energy audits; testing solar collectors and
Clock Hours: 45 (LEC) 30 (LAB)

PHY-111 - PHYSICS: ALGEBRA-BASED I WITH LAB 5.0 CR
PREREQUISITE: MAT-121; Min. grade C-
Enables the student to explore the truth about physical reality through reasoning, mathematics, and experimentation. Examines kinematics, force, circular motion, energy, momentum, torque, rotational dynamics, simple harmonic motion, temperature, heat, and thermodynamics. The concepts and theories presented are explored through demonstrations and hands-on experiments. It is a general physics course that is recommended for all of the health sciences and all other interested students. Students entering engineering or one of the advanced sciences should register for PHY 211.
Clock Hours: 60 (LEC) 30 (LAB)

PHY-112 - PHYSICS: ALGEBRA-BASED II WITH LAB 5.0 CR
PREREQUISITE: PHY-111(973); Min. grade C-
Expands upon PHY 111 and covers sound waves, electric fields, electric circuits, magnetic fields, optics, and modern physics. Explores the concepts and theories presented in class through demonstrations and hands-on experiments.
Clock Hours: 60 (LEC) 30 (LAB)

PHY-211 - PHYSICS: CALCULUS-BASED I WITH LAB 5.0 CR
CO-REQUISITES: MAT-201; PREREQUISITE: MAT-122; Min. grade C-
Enables the student to examine the truth about physical reality through reasoning, mathematics, and experimentation. Covers kinematics, force, gravity, energy, momentum, torque, rotational dynamics, fluids, and waves. The concepts and theories presented

in class are explored through demonstrations and hands-on experiments. This first semester calculus-based physics course is recommended for students entering engineering or one of the advanced sciences.
Clock Hours: 60 (LEC) 30 (LAB)

PHY-212 - PHYSICS: CALCULUS-BASED II WITH LAB 5.0 CR
CO-REQUISITES: MAT-202; PREREQUISITE: PHY-211; Min. grade C-
Expands upon PHY 211 and examines thermodynamics, electric fields, electric circuits, magnetic fields, light and optics, and modern physics. The concepts and theories presented in class are explored through demonstrations and hands-on experiments.
Clock Hours: 60 (LEC) 30 (LAB)

*** PHY-213 - PHYSICS III: CALCULUS BASED 3.0 CR**
PREREQUISITE: PHY-212; Min. grade C-
Covers special relativity, quantum theory, atomic physics, solid state, and nuclear physics.
Clock Hours: 45 (LEC)

Political Science POS

POS-105 - INTRODUCTION TO POLITICAL SCIENCE 3.0 CR
PREREQUISITE: College-Level Reading
Focuses on a survey of the discipline of political science, including political philosophy and ideology, democratic and non-democratic governments and processes, and international relations.
Prev. Course Codes: (POS-110) (POS-151) Clock Hours: 45 (LEC)

POS-111 - AMERICAN GOVERNMENT 3.0 CR
PREREQUISITE: College-Level Reading
Includes the background of the U.S. Constitution, the philosophy of American government, general principles of the Constitution, federalism, civil liberties, public opinion and citizen participation, political parties, interest groups and the electoral process, and the structure and functions of the national government.
Clock Hours: 45 (LEC)

POS-125 - AMERICAN STATE & LOCAL GOVERNMENT 3.0 CR
PREREQUISITE: College-Level Reading
Emphasizes the structure and function of state, county, and municipal governments including their relations with each other and with national government. Includes a study of Colorado government and politics.
Clock Hours: 45 (LEC)

POS-175 - SPECIAL TOPICS .5-6.0 CR
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

POS-205 - INTERNATIONAL RELATIONS 3.0 CR
PREREQUISITE: College-Level Reading
Examines relationships among modern nation states. Topics include diplomacy, nationalism, ideologies, power and influence, conflict and cooperation, the role of non-state actors, the international economy, and theoretical attempts to understand international behavior.
Clock Hours: 45 (LEC)

*** POS-215 - CURRENT POLITICAL ISSUES 3.0 CR**
PREREQUISITE: College-Level Reading
Incorporates an in-depth analysis of critical issues in political science. Examines current topics and issues.
Prev. Course Codes: (POS-270IP) (POS-025) (POS-270IP) Clock Hours: 45 (LEC)

POS-225 - COMPARATIVE GOVERNMENT 3.0 CR
PREREQUISITE: College-Level Reading
Focuses on a comparison of the basic features of selected developed and developing countries. Topics include ideologies, political parties, interest groups, and governmental institutions.
Clock Hours: 45 (LEC)

POS-275 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: College-Level Reading
Provides students with a vehicle to pursue in depth exploration of special topics of interest.

*** POS-280 - INTERNSHIP 1.0-12.0 CR**
PREREQUISITE: College-Level Reading
Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Process Technology PRO

PRO-100 - INTRODUCTION TO PROCESS TECHNOLOGY 4.0 CR
PREREQUISITE: College-Level Reading
Provides an overview or introduction into the field of Process Operations within the process industry. The course will introduce the roles and responsibilities of process technicians, the environment in which they work, and the equipment and systems in which they operate.
Clock Hours: 90 (LECLB)

PRO-110 - SAFETY, HEALTH & ENVIRONMENT 3.0 CR
PREREQUISITE: College-Level Reading
Provides an introduction to the field of safety, health, and environmental concerns within the process industry. Within this course, you will be introduced to various types of plant hazards, safety and environmental systems and equipment, and the regulations under which processing plants are governed.
Clock Hours: 45 (LEC)

PRO-120 - PROCESS TECHNOLOGY I: EQUIPMENT 4.0 CR
PREREQUISITE: College-Level Reading
Provides an overview or introduction into the field of equipment within the process industry. This course will introduce many process industry-related equipment concepts including purpose, components, operation, and the Process Technician's role for operating and troubleshooting the equipment.
Clock Hours: 90 (LECLB)

PRO-125 - PROCESS TECHNOLOGY I: EQUIPMENT II 4.0 CR
PREREQUISITE: College-Level Reading
Familiarizes the student with nomenclature, maintenance, safety, and operations in relation to the stationary equipment utilized in the oil and gas and other process industries. This course provides an overview or introduction to the field of equipment and maintenance within the process industry. The course will introduce the roles and responsibilities of process technicians, the environment in which they work, and the equipment and systems in which they operate. The course also provides an overview or introduction into the field of stationary equipment utilized in many of the process industries. This course will introduce many process industry-related equipment concepts including purpose, components, operation, and the Process Technician's role for operating and troubleshooting the equ
Clock Hours: 90 (LECLB)

PRO-130 - INSTRUMENTATION I 3.0 CR*PREREQUISITE: College-Level Reading*

Provides an introduction to the field of Instrumentation and covers process variables and the various instruments used to sense, measure, transmit, and control those variables. This course also introduces control loops and the elements that are found in different types of loops, such as controllers, regulators, and final control elements. The course concludes with a study of instrumentation drawings and diagrams and a unit on troubleshooting instrumentation.

*Clock Hours: 67.5 (LECLB)***PRO-131 - INSTRUMENTATION II 3.0 CR***PREREQUISITE: PRO-130; Min. grade C-*

Introduces the student to switches, relays, and annunciator systems and moves on to discuss signal conversion and transmission. Controllers, control schemes, and advanced control schemes are covered at a level appropriate for the process technician. The student then moves on to learn about digital control, programmable logic control, and distributed control systems before ending the course with a discussion of instrumentation power supplies, emergency shutdown systems, and instrumentations malfunctions.

*Clock Hours: 67.5 (LECLB)***PRO-175 - SPECIAL TOPICS 1.0-6.0 CR***PREREQUISITE: College-Level Reading*

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

PRO-180 - INTERNSHIP .5-6.0 CR*PREREQUISITE: PRO-100 PRO-110 PRO-130(19618); Min. grade C-*

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

*Clock Hours: 22.5 (COOP)***PRO-210 - PROCESS TECHNOLOGY II: SYSTEMS 4.0 CR***PREREQUISITE: College-Level Reading*

Studies the interrelationship of process equipment and process systems: arranging process equipment into basic systems; describing the purpose and function of specific process systems; explaining how factors affecting process systems are controlled under normal conditions; and recognizing abnormal process conditions. In addition, it introduces the concept of system and plant economics.

*Clock Hours: 90 (LECLB)***PRO-220 - PROCESS TECHNOLOGY III: OPERATIONS 4.0 CR***PREREQUISITE: College-Level Reading*

Provides an introduction to the field of operations within the process industry. Students will use existing knowledge of equipment, systems, and instrumentation to understand the operation of an entire unit. Students study concepts related to commissioning, normal startup, normal operations, normal shutdown, turnarounds, and abnormal situations, as well as the process technician's role in performing the tasks associated with these concepts within an operating unit.

*Clock Hours: 90 (LECLB)***PRO-230 - QUALITY IN PROCESS TECHNOLOGY 3.0 CR***PREREQUISITE: College-Level Reading*

Provides an introduction to the field of quality with the Process industry. This course will introduce many process industry-related quality concepts including

operating consistency, continuous improvement, plant economics, team skills, and statistical process control (SPC).

*Clock Hours: 45 (LEC)***PRO-240 - PROCESS TROUBLESHOOTING 4.0 CR***PREREQUISITE: PRO-100 PRO-120 PRO-125**PRO-130 or PRO-131; Min. grade C-*

Provides instruction in the different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships, and reasoning.

*Clock Hours: 90 (LECLB)***PRO-250 - OIL & GAS PRODUCTION I 3.0 CR***PREREQUISITE: College-Level Reading*

Familiarize the student with the duties and responsibilities of the oil and gas production technician. Specifically, students will be able to discuss the history of the oil market, concepts surrounding exploration and geology, fundamentals of drilling and well completion, and describe the operation of the equipment and systems used by the oil and gas production technician today.

*Clock Hours: 67.5 (LECLB)***PRO-255 - OIL & GAS PRODUCTION II 3.0 CR***PREREQUISITE: PRO-25; Min. grade C-*

Familiarize the student with the duties and responsibilities of the oil and gas production operations technician. Specifically, the course covers the following topics: the natural gas treatment, dehydration and compressions system and equipment; the produced water treatment and handling system and equipment; auxiliary systems and equipment; artificial lift and enhanced recovery techniques; pumping and transportation systems; safety, health and environmental considerations relative to the field of oil and gas production; and an introduction to petroleum refining and processing.

*Clock Hours: 67.5 (LECLB)***PRO-275 - SPECIAL TOPICS 1.0-6.0 CR***PREREQUISITE: College-Level Reading*

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

PRO-280 - INTERNSHIP .5-6.0 CR*PREREQUISITE: PRO-100 PRO-110 PRO-130(19618); Min. grade C-*

Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

Clock Hours: 22.5 (COOP)

Public Service PSV

*** PSV-230 - INTRODUCTION TO CIVIC LEADERSHIP 3.0-6.0 CR***PREREQUISITE: College-Level Reading*

Enables the student to develop a critical understanding of public leadership through the study of pertinent models, theories, and research.

Clock Hours: 45 (LEC)

Psychology PSY

PSY-101 - GENERAL PSYCHOLOGY I 3.0 CR*PREREQUISITE: College-Level Reading*

Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory.

*Prev. Course Codes: (PSY-151) Clock Hours: 45 (LEC)***PSY-102 - GENERAL PSYCHOLOGY II 3.0 CR***PREREQUISITE: College-Level Reading*

Focuses on the scientific study of behavior including cognition, language, intelligence, psychological assessment, personality, abnormal psychology, therapy, life span development, and social psychology.

*Prev. Course Codes: (PSY-152) Clock Hours: 45 (LEC)**** PSY-106 - HUMAN RELATIONS 3.0 CR***PREREQUISITE: College-Level Reading*

Emphasizes the development and practice of effective interpersonal skills on and off the job.

*Clock Hours: 45 (LEC)**** PSY-110 - CAREER DEVELOPMENT 3.0 CR***PREREQUISITE: College-Level Reading*

Assists the student in recognizing his/her career potential, and provides tools for making realistic decisions concerning educational and occupational objectives.

*Clock Hours: 45 (LEC)**** PSY-116 - STRESS MANAGEMENT 3.0 CR***PREREQUISITE: College-Level Reading*

Identifies the physiological, emotional, and behavioral aspects of stress. Techniques of stress reduction and management are explored and applied, including nutrition, exercise, assertiveness, time management, and financial management.

*Prev. Course Codes: (PSY-275) (PSY-271B) Clock Hours: 45 (LEC)**** PSY-117 - PARENTING 1.0 CR***PREREQUISITE: College-Level Reading*

Focuses on effective techniques for working with children with emphasis on setting expectations, consideration of individual differences, satisfactory communication, and effective parent-child relationships.

*Clock Hours: 15 (LEC)***PSY-175 - SPECIAL TOPICS 1.0-6.0 CR***PREREQUISITE: College-Level Reading*

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

Prev. Course Codes: (PSY-205A) (PSY-205B) (PSY-205C) (PSY-290A) (PSY-270GL) (PSY-270HP) (PSY-205A) (PSY-205B) (PSY-205C) (PSY-270WD) (PSY-047X) (PSY-270WS) (PSY-270HP) (PSY-270GL) (PSY-270WA) (PSY-270WD) (PSY-177) Clock Hours: 15 (LEC)

*** PSY-204 - RELATIONSHIPS: CHALLENGES & CHOICES 1.0 CR***PREREQUISITE: College-Level Reading*

Enables the student to preserve and enhance couple relationships by understanding the role of gender differences, conflict patterns, communication skills, problem solving, and the meaning of commitment, fun, and friendship.

Clock Hours: 15 (LEC)

🏠 PSY-205 - PSYCHOLOGY OF GENDER 3.0 CR

PREREQUISITE: *College-Level Reading*
Examines gender differences in work, courtship, family life, and sexual behavior throughout the life span.
Prev. Course Codes: (PSY-270WO) Clock Hours: 45 (LEC)

*** PSY-211 - LEADERSHIP DEVELOPMENT 3.0 CR**

PREREQUISITE: *College-Level Reading*
The fundamentals of leadership theory and skills are studied in this course. Emphasis is placed upon development of personal leadership theories and techniques and their application to a variety of career orientations including public services, business, and recreation.
Clock Hours: 45 (LEC)

🏠 PSY-217 - HUMAN SEXUALITY 3.0 CR

PREREQUISITE: *College-Level Reading*
Surveys physiological, psychological, and psychosocial aspects of human sexuality. Topics include relationships, sexual identity, and sexual health.
Clock Hours: 45 (LEC)

🏠 PSY-226 - SOCIAL PSYCHOLOGY 3.0 CR

PREREQUISITE: *College-Level Reading*
Focuses on the behavior of humans in social settings including attitudes, aggression, conformity, cooperation and competition, prejudice, and interpersonal attraction.
Clock Hours: 45 (LEC)

🏠 PSY-235 - HUMAN GROWTH & DEVELOPMENT 3.0 CR

PREREQUISITE: *College-Level Reading*
Examines human development from conception through death emphasizing physical, cognitive, emotional, and psychosocial factors.
Prev. Course Codes: (PSY-240) (PSY-242) (PSY-240) (PSY-268) Clock Hours: 45 (LEC)

*** PSY-236 - ASSERTIVENESS TRAINING 1.0 CR**

PREREQUISITE: *College-Level Reading*
This course teaches the awareness and expressions of individual rights and needs in interpersonal relationships.
Clock Hours: 15 (LEC)

*** PSY-237 - CHILD & ADOLESCENT PSYCHOLOGY 3.0 CR**

PREREQUISITE: *PSY-101 or PSY-102; Min. grade C-*
Explores human development from conception through adolescence, emphasizing physical, cognitive, emotional, and psychosocial factors.
Prev. Course Codes: (PSY-248) (PSY-210) (PSY-262) Clock Hours: 45 (LEC)

🏠 PSY-238 - CHILD DEVELOPMENT 3.0 CR

PREREQUISITE: *College-Level Reading*
Focuses on growth and development of the individual from conception through childhood, emphasizing physical, cognitive, emotional, and psychosocial factors.
Prev. Course Codes: (ECP-238) (ECE-238) (ECE-025) (EEC-025) (EEC-135) Clock Hours: 45 (LEC)

*** PSY-245 - EDUCATIONAL PSYCHOLOGY 3.0 CR**

PREREQUISITE: *College-Level Reading*
Focuses on the relationships between theory, research, and practice in the areas of learning, child development, motivation, and educational assessment.
Prev. Course Codes: (PSY-246) Clock Hours: 45 (LEC)

🏠 PSY-249 - ABNORMAL PSYCHOLOGY 3.0 CR

PREREQUISITE: *College-Level Reading*
Examines abnormal behavior and its classification, causes, treatment, and prevention.
Prev. Course Codes: (PSY-220) (PSY-264) Clock Hours: 45 (LEC)

*** PSY-251 - CHILD AND ADOLESCENT LAB 1.0 CR**

CO-REQUISITES: *PSY-237;*
This course examines concepts presented in PSY-237 through 30 hours of documented child/adolescent observation.
Prev. Course Codes: (PSY-248A) Clock Hours: 30 (LAB)

*** PSY-265 - PSYCHOLOGY OF PERSONALITY 3.0 CR**

PREREQUISITE: *PSY-101 or PSY-102; Min. grade C-*
Examines the structure, function, and development of personality. Investigates the major contemporary theories of personality. Covers psychodynamic, behavioral, cognitive-social learning, humanistic, trait and optionally, neurobiological, existential, and/or Eastern perspectives. The underlying assumptions and research support for these theories are appraised. Enables the student to gain an appreciation of the value of alternative theoretical approaches to this subfield of psychology.
Prev. Course Codes: (PSY-215) (PSY-261) Clock Hours: 45 (LEC)

*** PSY-268 - ORGANIZATIONAL PSYCHOLOGY 3.0 CR**

PREREQUISITE: *College-Level Reading*
Provides a comprehensive study of psychological principles and theories as applied to organizational behavior. Topics include motivation, job satisfaction, conflict supervision, human relations, and stress management.
Clock Hours: 45 (LEC)

PSY-275 - SPECIAL TOPICS 1.0-6.0 CR

PREREQUISITE: *College-Level Reading*
Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (PSY-290C)

Reading REA

REA-030 - BASIC READING SKILLS 2.0 CR

Focuses on strategies for word attack, vocabulary development, stages of reading, and basic reading comprehension.
Clock Hours: 30 (LEC)

REA-060 - FOUNDATIONS OF READING 3.0 CR

Focuses on strategies for vocabulary development, improved reading comprehension, and enrichment.
Clock Hours: 45 (LEC)

REA-090 - COLLEGE PREPARATORY READING 3.0 CR

PREREQUISITE: *REA-TS3; REA-060; Min. grade C-*
Enables the student to apply strategies for improving comprehension, developing vocabulary, and increasing rate for reading college textbooks.
Clock Hours: 45 (LEC)

REA-130 - TECHNICAL & APPLIED READING 2.0 CR

Focuses on the appropriate reading strategies to understand technical, vocational and academic texts, manuals, professional journals and pleasure materials

to complete a task in the workplace and to comprehend a new process.

Clock Hours: 30 (LEC)

REA-151 - COLLEGE READING 3.0 CR

PREREQUISITE: *College-Level Reading*
Covers information processing systems, analytical reasoning strategies, concept development and retention, and patterns of organization with emphasis on applying reading strategies to college expository text.
Clock Hours: 45 (LEC)

Real Estate REE

REE-103 - REAL ESTATE BROKERS I 6.0 CR

PREREQUISITE: *College-Level Reading*
Enables the student, in conjunction with REE-104, to meet the educational requirements of the Colorado Real Estate Commission for a Colorado Real Estate Brokers license. Includes real estate law and practice, practical application, and current legal issues.
Prev. Course Codes: (REE-120) (REE-123) Clock Hours: 90 (LEC)

REE-104 - REAL ESTATE BROKERS II 5.0 CR

PREREQUISITE: *College-Level Reading*
Enables the student, in conjunction with REE-103, to meet the educational requirements of the Colorado Real Estate Commission for a Colorado Real Estate Brokers license. This course includes Colorado contracts and regulations, real estate closings, and trust accounts and record keeping.
Clock Hours: 75 (LEC)

REE-275 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Clock Hours: 15 (LEC)

Radio and Television RTV

RTV-102 - BEGINNING TELEVISION 3.0 CR

Focuses on principles and techniques of television production in theory and the approach of studio production. Emphasizes producing television programs, beginning with a concept through script to actual studio production, pre production, and post production.
Clock Hours: 45 (LEC)

Russian RUS

RUS-101 - CONVERSATIONAL RUSSIAN I 3.0 CR

Introduces beginning students to conversational Russian and focuses on understanding and speaking Russian. Covers basic vocabulary, grammar, and expressions that are used in daily situations and travel.
Prev. Course Codes: (RUS-101A) (RUS-101) (RUS-011) Clock Hours: 45 (LEC)

RUS-102 - CONVERSATIONAL RUSSIAN II 3.0 CR

PREREQUISITE: *RUS-101(239); Min. grade C-*
Continues the sequence for students who wish to understand and speak Russian. Covers basic conversational patterns, expressions, and grammar.
Prev. Course Codes: (RUS-102A) (RUS-102) Clock Hours: 45 (LEC)

- ✳️ **RUS-111 - RUSSIAN LANGUAGE I** 5.0 CR
PREREQUISITE: College-Level Reading
 Begins a sequence dealing with the development of functional proficiency in listening, speaking, reading, and writing the Russian language. Note: The order of the topics and methodology will vary according to individual texts and instructors.
Prev. Course Codes: (RUS-151) Clock Hours: 75 (LEC)
- ✳️ **RUS-112 - RUSSIAN LANGUAGE II** 5.0 CR
PREREQUISITE: RUS-111; Min. grade C-
 Continues Russian I in the development of functional proficiency in listening, speaking, reading, and writing the Russian language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.
Prev. Course Codes: (RUS-152) Clock Hours: 75 (LEC)
- 🏠 **RUS-211 - RUSSIAN III** 3.0 CR
PREREQUISITE: RUS-112; Min. grade C-
 Continues Russian Language I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the Russian language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.
Clock Hours: 45 (LEC)
- 🏠 **RUS-212 - RUSSIAN IV** 3.0 CR
PREREQUISITE: RUS-211; Min. grade C-
 Continues Russian Language I, II, and III in the development of increased functional proficiency in listening, speaking, reading, and writing the Russian language. Note: the order of the topics and the methodology will vary according to individual texts and instructors.
Clock Hours: 45 (LEC)

Ski Area Operations SAO

- SAO-100 - INTRODUCTION TO SKI AREA OPERATIONS** 2.0 CR
PREREQUISITE: College-Level Reading
 Designed to introduce a student to the ski industry and provide an overview of the total ski area operation. Careers in the ski industry will be addressed.
Prev. Course Codes: (SAO-011) (SAO-110A) (SAO-110) Clock Hours: 30 (LEC)
- SAO-101 - SKI AREA OPERATIONS: CONCEPTS** 3.0 CR
PREREQUISITE: College-Level Reading
 Introduces and familiarizes the student with the basic concepts, principles, and tools encountered in the technical operations of a ski area.
Clock Hours: 67.5 (LECLB)
- SAO-102 - OUTDOOR FIRST CARE** 1.0 CR
PREREQUISITE: College-Level Reading
 Provides the student with the first aid skills to quickly respond to sick or injured staff or guests at a mountain resort until the arrival of ski patrol or EMS personnel. This is a National Ski Patrol course.
Clock Hours: 22.5 (LEC)
- SAO-106 - ROPEWAY OPERATIONS** 2.0 CR
CO-REQUISITES: SAO-107; PREREQUISITE: MAT-107; Min. grade C-College-Level Reading
 Covers the daily operation, inspection, and minor maintenance of aerial tramways, lifts, and tows. Current design philosophies, the purpose of various tramway components, safety of the lift crew and skiing guests, as well as guest relations, and the rules and

regulations applicable to the operation of tramways in Colorado and upon Federal land will be introduced.
Prev. Course Codes: (SAO-012) (SAO-112A) (SAO-112) Clock Hours: 30 (LEC)

SAO-107 - ROPEWAY OPERATIONS LAB 1.0 CR
CO-REQUISITES: SAO-106;

This laboratory course will provide the hands on ropeway operations during ski season. Information provided as part of SAO 106 will be put into practice. Guest relations, personnel, and skier safety will be emphasized.

Prev. Course Codes: (SAO-013) (SAO-112L) (SAO-112) Clock Hours: 30 (LAB)

SAO-110 - SKI AREA RISK MANAGEMENT 3.0 CR

PREREQUISITE: College-Level Reading
 Legal and insurance issues of ski area liability are introduced in this course. Emphasis is on regulations and operating procedures in case of an accident and ways to minimize liability risks.

Prev. Course Codes: (SAO-252) (SAO-231) Clock Hours: 45 (LEC)

SAO-111 - EQUIPMENT OPERATIONS 2.0 CR

CO-REQUISITES: SAO-112; PREREQUISITE: College-Level Reading
 Designed to introduce a student to the safe and efficient operation of various heavy and light equipment currently in use at ski areas such as wheeled and tracked vehicles, stationary equipment, and large hand operated machinery.

Prev. Course Codes: (SAO-020) (HEQ-010) (HEQ-234A) (HEQ-234) Clock Hours: 30 (LEC)

SAO-112 - EQUIPMENT OPERATIONS LAB 1.0 CR

CO-REQUISITES: SAO-111;
 Hands-on operation of selected heavy equipment including backhoe and dozer tractors will be practiced. Common excavation techniques, pre-operations checks, and safety will be emphasized. Students must have a valid driver's license.

Prev. Course Codes: (SAO-020L) (HEQ-012) (HEQ-234L) (HEQ-234) Clock Hours: 30 (LAB)

SAO-121 - ROPEWAY MECHANICAL MAINTENANCE TECHNICIAN I 4.0 CR

This course will familiarize the student/ropeway mechanical maintenance apprentice with the safe use of hand power tools; use, care and calibration of precision measurement devices; properties and use of various lubricants; proper use of gaskets and packing materials and use/installation of various mechanical seals. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required.
Clock Hours: 60 (LEC)

SAO-122 - ROPEWAY MECHANICAL MAINTENANCE TECHNICIAN II 3.0 CR

This course will familiarize the student/ropeway mechanical maintenance apprentice with gears and gear arrangements; major tasks involved in gearbox overhauls; basic principles associated with moving loads; proper use of devices designed to lift and move loads; and the various types of ladders and scaffolds that enable personnel to work at heights. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required.
Clock Hours: 45 (LEC)

SAO-123 - ROPEWAY MECHANICAL MAINTENANCE TECHNICIAN III 4.0 CR

This course will familiarize the student/ropeway mechanical maintenance apprentice with the basic operation/maintenance of bearings, basic principles of measuring/correcting shaft misalignment, and equipment/procedures for aligning shafts. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required.

Clock Hours: 60 (LEC)

SAO-124 - ROPEWAY MECHANICAL MAINTENANCE TECHNICIAN IV 3.0 CR

This course will familiarize the student/ropeway mechanical maintenance apprentice with the basic principles associated with measuring and analyzing vibration in rotating equipment, the basic concepts associated with oxy-fuel and arc welding, and the basic parts and safe operation of oxy-fuel gas welding rigs. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required.

Clock Hours: 45 (LEC)

SAO-131 - TRAIL GROOMING OPERATIONS 2.0 CR

CO-REQUISITES: SAO-132;

PREREQUISITE: College-Level Reading
 Teaches proper grooming, packing, and slope conditioning techniques to maximize skier safety and enjoyment, and utilizing minimum snowfall to provide an adequate skiing base. Various over-the-snow vehicles and their capabilities and limitations will be dealt with, including grooming implements.

Prev. Course Codes: (SAO-181) (SAO-056) (SAO-234A) (SAO-234) Clock Hours: 30 (LEC)

SAO-132 - TRAIL GROOMING OPERATIONS LAB 1.0 CR

CO-REQUISITES: SAO-131;

Covers the basic skills required to safely and properly operate trail grooming equipment and perform trail maintenance activities. Grooming of both downhill and cross country ski trails will be covered. Students must have a valid driver's license.

Prev. Course Codes: (SAO-182) (SAO-057) (SAO-234L) (SAO-234) Clock Hours: 30 (LAB)

SAO-133 - TERRAIN PARK & HALF-PIPE OPERATIONS 2.0 CR

PREREQUISITE: MAT-060; Min. grade C-
 Focuses on the various terrain park elements regarding layout, construction, and daily maintenance. Half-pipe construction and maintenance will also be explored. Management issues regarding opening/closing procedures and risk management will be analyzed. Collaboration among various departments including snowmaking, grooming, ski patrol, and ski school will be the subject of class case studies.

Clock Hours: 45 (LECLB)

SAO-141 - SNOWMAKING OPERATIONS 2.0 CR

CO-REQUISITES: SAO-142;

PREREQUISITE: MAT-107; Min. grade C-College-Level Reading
 This course is designed to familiarize students with snowmaking equipment; system design; and operating techniques, technology, and safety.

Prev. Course Codes: (SAO-014) (SAO-113A) (SAO-113) Clock Hours: 30 (LEC)

<p>SAO-142 - SNOWMAKING OPERATIONS LAB 1.0 CR CO-REQUISITES: SAO-141; Operation of snowmaking systems will provide skills in snowmaking techniques and weather monitoring. Equipment used will be selected airless and air/water guns. <i>Prev. Course Codes:</i> (SAO-015) (SAO-113L) (SAO-113) <i>Clock Hours:</i> 30 (LAB)</p>	<p>SAO-188 - WORK EXPERIENCE 2.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides work experience for students to gain practical work experience related to their educational program. <i>Prev. Course Codes:</i> (SAO-288) <i>Clock Hours:</i> 90 (COOP)</p>	<p>SAO-240 - SKI AREA PLANNING 3.0 CR PREREQUISITE: College-Level Reading Design and clearing of ski trails and locating support facilities approved in long-range ski area development plans are topics of this course. Emphasis will be given to computing skiing capacity and balancing of facilities, lift, and trail capacities with various environmental constraints. <i>Prev. Course Codes:</i> (SAO-058) (SAO-236) <i>Clock Hours:</i> 45 (LEC)</p>
<p>SAO-151 - SNOW VEHICLE MAINTENANCE 2.0 CR CO-REQUISITES: SAO-152; PREREQUISITE: College-Level Reading This course is designed to provide basic information and skills required to safely maintain and repair gasoline and diesel over-the-snow vehicles. Emphasis will be given to hydraulics, vehicle electricity, and manufacturer's recommended preventative and scheduled maintenance procedures. <i>Prev. Course Codes:</i> (SAO-016) (SAO-114A) (SAO-114) <i>Clock Hours:</i> 30 (LEC)</p>	<p>SAO-210 - ROPEWAY CONSTRUCTION & MAINTENANCE 3.0 CR Students will become familiar with various ropeway construction methods and maintenance techniques. Design features of various manufacturers will be discussed and/or observed. Safety, construction techniques, blueprint reading and both preventative and repair maintenance will be emphasized. <i>Prev. Course Codes:</i> (SAO-053) (SAO-221) (SAO-211) <i>Clock Hours:</i> 45 (LEC)</p>	<p>SAO-260 - SKI AREA OPERATIONS SEMINAR 1.0 CR PREREQUISITE: College-Level Reading This seminar will expose students to different individuals who are presently working within the ski industry and will give them exposure to issues which are currently under discussion in the industry. <i>Prev. Course Codes:</i> (SAO-059) (SAO-248) <i>Clock Hours:</i> 15 (LEC)</p>
<p>SAO-152 - SNOW VEHICLE MAINTENANCE LAB 1.0 CR CO-REQUISITES: SAO-151; Basic skills required to safely maintain and repair gasoline and diesel over-the-snow vehicles will be provided. Emphasis will be given to hydraulics, vehicle electricity, and manufacturers recommended preventative and scheduled maintenance procedures. <i>Prev. Course Codes:</i> (SAO-017) (SAO-114L) (SAO-114) <i>Clock Hours:</i> 30 (LAB)</p>	<p>SAO-221 - ROPEWAY ELECTRICAL MAINTENANCE TECHNICIAN I 4.0 CR CO-REQUISITES: MAT-121; This course will familiarize the student/ropeway electrical maintenance apprentice with the theory and procedures applicable to electrical wiring and AC motors as used in the North American ropeway industry. Students must be employed as a ropeway electrical maintenance technician or a ropeway maintenance apprentice or ropeway mechanic/electrician. Instructor approval required. <i>Clock Hours:</i> 60 (LEC)</p>	<p>SAO-288 - SUPERVISED CO-OP WORK EXPERIENCE 5.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides work experience for students to gain practical work experience related to their educational program. <i>Clock Hours:</i> 225 (COOP)</p>
<p>SAO-155 - EVENTS MANAGEMENT 2.0 CR PREREQUISITE: College-Level Reading Explores race and events management and includes planning, organizing, and conducting events. This course identifies the various components of race and event management including local, regional, national, volunteer and professional groups, budgets, equipment, and personnel. <i>Prev. Course Codes:</i> (SAO-023) (SAO-123) <i>Clock Hours:</i> 45 (LECLB)</p>	<p>SAO-222 - ROPEWAY ELECTRICAL MAINTENANCE TECHNICIAN II 4.0 CR CO-REQUISITES: MAT-121; This course will familiarize the student/ropeway electrical maintenance apprentice with the theory and procedures applicable to electrical wiring and DC motors as used in the North American ropeway industry. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required. <i>Clock Hours:</i> 60 (LEC)</p>	<p>SAO-288 - SUPERVISED CO-OP WORK EXPERIENCE 5.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides work experience for students to gain practical work experience related to their educational program. <i>Clock Hours:</i> 225 (COOP)</p>
<p>SAO-160 - SKI PATROL OPERATIONS 2.0 CR CO-REQUISITES: SAO-161; PREREQUISITE: College-Level Reading This course is designed to teach you the basic skiing, equipment handling and rescue techniques required of a ski patroller. You will utilize your training in advanced first aid and your fundamental skiing skills. <i>Prev. Course Codes:</i> (SAO-161) (SAO-051A) (SAO-220A) (SAO-222) <i>Clock Hours:</i> 30 (LEC)</p>	<p>SAO-223 - ROPEWAY ELECTRICAL MAINTENANCE TECHNICIAN III 3.0 CR CO-REQUISITES: MAT-121; This course will familiarize student/ropeway electrical maintenance apprentice with the theory and procedures applicable to automation controls, continuous process and programmable logic controllers as used in the North American ropeway industry. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required. <i>Clock Hours:</i> 45 (LEC)</p>	<p>SAO-288 - SUPERVISED CO-OP WORK EXPERIENCE 5.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides work experience for students to gain practical work experience related to their educational program. <i>Clock Hours:</i> 225 (COOP)</p>
<p>SAO-161 - SKI PATROL OPERATIONS LAB 2.0 CR CO-REQUISITES: SAO-160; This course is a laboratory course associated with SAO-160. <i>Prev. Course Codes:</i> (SAO-162) (SAO-052) (SAO-220L) (SAO-220) <i>Clock Hours:</i> 60 (LAB)</p>	<p>SAO-224 - ROPEWAY ELECTRICAL MAINTENANCE TECHNICIAN IV 4.0 CR CO-REQUISITES: MAT-121; This course will familiarize the student/ropeway electrical maintenance apprentice with the theory and procedures applicable to programmable logic controllers and variable speed drives as used in the North American ropeway industry. Students must be employed as a ropeway maintenance apprentice or a ropeway mechanic/electrician. Instructor approval required. <i>Clock Hours:</i> 60 (LEC)</p>	<p>SAO-288 - SUPERVISED CO-OP WORK EXPERIENCE 5.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides work experience for students to gain practical work experience related to their educational program. <i>Clock Hours:</i> 225 (COOP)</p>
<p>SAO-175 - SPECIAL TOPICS .5-6.0 CR Provides students with a vehicle to pursue in depth exploration of special topics of interest.</p>	<p>SAO-187 - COOPERATIVE EDUCATION 7.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop specific skills in a practical work setting. The instructor will work with the student to select an appropriate work site, establish learning objectives, and to coordinate learning activities with the employer or work site supervisor. <i>Prev. Course Codes:</i> (SAO-230C) (SAO-230G) (SAO-060G) <i>Clock Hours:</i> 315 (COOP)</p>	<p>SAO-288 - SUPERVISED CO-OP WORK EXPERIENCE 5.0 CR PREREQUISITE: 25 credits; Min. grade C; From Department SAO; Provides work experience for students to gain practical work experience related to their educational program. <i>Clock Hours:</i> 225 (COOP)</p>

Small Business Management SBM

<p>SBM-101 - STARTING A SMALL BUSINESS 1.0 CR Provides a brief overview of various topics related to starting a small business. Some topics are types of businesses, location, image, insurance, permits, and licenses. <i>Prev. Course Codes:</i> (BSM-270BP) (BSM-080) (BSM-247AN) (BSM-270HS) (BSM-085) (BSM-247PA) <i>Clock Hours:</i> 15 (LEC)</p>	<p>SBM-103 - LEGAL ASPECTS OF A SMALL BUSINESS 1.0 CR Provides a brief overview of legal issues involved in starting and managing a small business. The course focuses on business organizations, contracts, and agreements and protecting the business. <i>Clock Hours:</i> 15 (LEC)</p>
<p>SBM-108 - MARKETING FOR A SMALL BUSINESS 1.0 CR Provides a brief overview of the marketing functions applied to a small business. Topics include planning a marketing strategy, promoting a business, competitive analysis, and customers and prospects. <i>Clock Hours:</i> 15 (LEC)</p>	<p>SBM-110 - MANAGING A SMALL BUSINESS 1.0 CR Provides a brief overview of the management process as it applies to the small business. Concepts covered in the course include setting goals, conducting evaluations, and analyzing financial records. <i>Prev. Course Codes:</i> (BSM-110) (BSM-010) (BSM-110) <i>Clock Hours:</i> 15 (LEC)</p>
<p>SBM-112 - FINANCING A SMALL BUSINESS 1.0 CR Provides a brief overview of the basics of financing a small business. Topics include source of capital, types of business loans, and maintenance of cash flow. <i>Clock Hours:</i> 15 (LEC)</p>	<p>SBM-289 - WRITING A BUSINESS PLAN 1.0 CR Provides a capstone experience for the Small Business certificate program. The student will write a business plan. <i>Clock Hours:</i> 15 (LEC)</p>

Science SCI

SCI-155 - INTEGRATED SCIENCE I 4.0 CR

PREREQUISITE: *College-Level Reading*

Examines the nature of energy and matter. Their interactions and changes, and the application of fundamental concepts to the study of our natural world. *Clock Hours: 45 (LEC) 30 (LAB)*

SCI-156 - INTEGRATED SCIENCE II 4.0 CR

PREREQUISITE: *SCI-155; Min. grade C-*

Examines earth and biological systems, living and non-living environments through the application and refinement of fundamental energy and matter concepts. *Clock Hours: 45 (LEC) 30 (LAB)*

Ski Business SKB

SKB-105 - SKI HISTORY 1.0 CR

Presents the history of the sport of skiing and the ski and snowboard industry. Examines the changes in equipment, ski areas, and industry from the late 1800's to today. Class will explore the different roles and influences ski industry leaders and innovators achieved. *Clock Hours: 15 (LEC)*

SKB-110 - BOOT FITTING I 2.0 CR

Retail boot fitting is covered in this course. Included will be anatomy and physiology of the foot, boot design, analyzing and solving fit problems, introduction to foot bed construction, and basic shell expansion and repairs. *Prev. Course Codes: (SKB-016) (SKB-116) (SKB-110) Clock Hours: 22.5 (LECLB) 15 (LEC)*

SKB-111 - BOOT FITTING II 1.0 CR

PREREQUISITE: *SKB-110; Min. grade C-*

Advanced boot fitting procedures will be covered in this course and will include the following: advanced modification techniques, stance balancing and canting techniques, custom inner boot fitting options, and advanced foot bed manufacturing. *Clock Hours: 22.5 (LECLB)*

SKB-117 - SKI & SNOWBOARD BUSINESS RETAILING & SALES 3.0 CR

Emphasizes the study of the basic principles and techniques of snow sport merchandising, operations, layout, store organization, site location, and customer service with an emphasis on snow sport retailing operations. Enables the student to understand and develop ethical sales techniques and covers the role of selling in the retail process. Areas of emphasis include behavioral considerations in the buying and selling process and sales techniques. *Clock Hours: 45 (LEC)*

SKB-118 - SNOW SPORTS PROMOTIONS 1.0 CR

The different roles and techniques used to develop, produce, and progress snowsport events will be explored. The course examines the needs of promotional representatives who act on behalf of manufacturing, retail, and ski area operations. Students will gain knowledge of management in the areas of facilities, professional organizations, and promotions as well as the different managerial styles that can be applied. This course will also provide the student with individual topics such as quality control, leadership, and strategic planning. Students will also demonstrate the role of

management in producing events for the snowsports industry from a financial and legal standpoint. *Clock Hours: 22.5 (LECLB)*

SKB-120 - SKI & BOARD REPAIR & TUNING I 2.0 CR

A well tuned ski can increase the skiers performance and safety. Emphasis will be given to the ski repair shop as a profit center, techniques of ski repair and ski tuning. *Prev. Course Codes: (SKB-017) (SKB-117) Clock Hours: 45 (LECLB)*

SKB-121 - SKI & BOARD TUNING II 2.0 CR

PREREQUISITE: *SKB-120; Min. grade C-*

Provides students with advanced skills associated with proper machine and tool use, edge repair, and delaminations, and introduces them to binding inspection and mounting adjustment. Advanced structuring and waxing techniques and evaluation and prioritization of ski and board repairs to ensure product reliability and safety are covered. *Clock Hours: 45 (LECLB)*

SKB-124 - INTRODUCTION TO SKI GUIDING 3.0 CR

Introduces the student to the basic skill set required to create a successful ski or snowboard backcountry guiding business. Students will be introduced to guiding techniques for touring facilities (hotel or hut), snow cat operations, and heli-skiing operations. Students will gain knowledge of how to educate and instruct their clients. Best practices in snowsport guiding, regulations, and certifications will be discussed, Emphasis is placed on the awareness, prevention, and management of risk, as well as maximizing client rewards. *Clock Hours: 45 (LEC)*

SKB-130 - ACCELERATED BOOT FITTING 3.0 CR

Covers retail boot fitting. Included will be the anatomy and physiology of the foot, boot design, analyzing and solving fit problems, introduction to advanced footbed construction, and advanced boot fitting procedures including stance balancing and canting techniques and custom inner boot fitting options. *Clock Hours: 30 (LEC) 22.5 (LECLB)*

SKB-140 - ACCELERATED SKI & BOARD TUNING 3.0 CR

Emphasizes the ski repair shop as a profit center and techniques of ski repair and ski tuning. Provides students with advanced skills associated with proper machine and tool use, edge repair, delaminations, and introduces them to binding inspection, mounting, and adjustment. Advanced structuring and waxing techniques and evaluation and prioritization of ski and board repairs to ensure product reliability and safety are covered. *Clock Hours: 22.5 (LECLB) 30 (LEC)*

SKB-187 - WORK EXPERIENCE 1.0-6.0 CR

Provides work experience for students to gain practical work experience related to their educational program. *Clock Hours: 135 (COOP)*

SKB-210 - SKI AND BOARD PRODUCT DESIGN 3.0 CR

Design and manufacturing aspects of ski equipment and clothing are introduced in this course. Performance, safety, materials, graphics, and packaging are covered. *Prev. Course Codes: (SKB-022) (SKB-122) Clock Hours: 45 (LEC)*

SKB-216 - SKI & SNOWBOARD MARKETING & MEDIA 3.0 CR

Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution and their applications to the snow sport business and the individual consumer. *Clock Hours: 45 (LEC)*

SKB-220 - SNOW SPORTS RETAIL & WHOLESALE 3.0 CR

The organization, management, and planning strategies of a retail, repair, and rental shop are introduced in this course. Shop design, equipment buying and storage, shop procedures, shop liability, inventory, and bookkeeping are emphasized. *Clock Hours: 45 (LEC)*

SKB-229 - INTEGRATED PORTFOLIO & CAPSTONE 3.0 CR

This course is a review of the major ideas and issues of the Ski and Snowboard Business program. Through development of an integrated portfolio gained during an internship with a ski and snowboard business the student will demonstrate proficiency in degree competencies. *Clock Hours: 135 (COOP)*

SKB-230 - THE BUSINESS OF SKI GUIDING 3.0 CR

Introduces the student to fundamental business skills required to operate as a private, contracted guide in the skiing and outdoor industry. Emphasis will be placed on marketing your services, creating customer loyalty, and understanding laws and regulations affecting the guiding industry. *Clock Hours: 45 (LEC)*

SKB-287 - WORK EXPERIENCE 1.0-6.0 CR

Provides work experience for students to gain practical work experience related to their educational program. *Prev. Course Codes: (SKB-130C) (SKB-030C) (SKB-130C)*

Sociology SOC

SOC-101 - INTRODUCTION TO SOCIOLOGY I 3.0 CR

PREREQUISITE: *College-Level Reading*

Examines the basic concepts, theories, and principles of sociology as well as human culture, social groups, and the social issues of age, gender, class, and race. *Prev. Course Codes: (SOC-151) Clock Hours: 45 (LEC)*

SOC-102 - INTRODUCTION TO SOCIOLOGY II 3.0 CR

PREREQUISITE: *College-Level Reading*

Examines social institutions and organizations from the macro perspective. Emphasizes issues of social change, demography, social movements, and conflicts and trends within education, religion, family, political, and economic structures. *Prev. Course Codes: (SOC-152) Clock Hours: 45 (LEC)*

SOC-175 - SPECIAL TOPICS 1.0-3.0 CR

PREREQUISITE: *College-Level Reading*

Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.

* SOC-201 - INTRODUCTION TO GERONTOLOGY 3.0 CR

PREREQUISITE: *SOC-101 SOC-102 PSY-101 or PSY-102; Min. grade C-*

Acquaints students with the major issues and concepts pertinent to the field of gerontology. The course introduces various theoretical perspectives on aging, the changing trends in life expectancy and other demographic considerations, and the inter-relationship between elders and key social institutions. It provides an overview of physical, cognitive, and socio-emotional factors associated with aging. *Clock Hours: 45 (LEC)*

🏠 SOC-205 - SOCIOLOGY OF FAMILY DYNAMICS 3.0 CR

PREREQUISITE: SOC-101; *Min. grade C-*
Develops an understanding of marriage, family and kinship. It examines the family as an institution and how social, cultural, and personal factors influence family relations. The stability and diversity of the family will be explored, along with current trends and some alternative life styles.

Prev. Course Codes: (SOC-210) (SOC-155) Clock Hours: 45 (LEC)

🏠 SOC-207 - ENVIRONMENTAL SOCIOLOGY 3.0 CR

Examination of humans and the environment from an ecological perspective. Focuses on industrial and economic growth versus sustainability, natural resources development and management, environmental values and social movements, and comparative perspectives on people's relationships to the environment. Review of the "green" movement and other environmental movements and their impacts upon social dynamics, the environment, and the evolution of social movements.

Clock Hours: 45 (LEC)

🏠 SOC-215 - CONTEMPORARY SOCIAL PROBLEMS 3.0 CR

PREREQUISITE: *College-Level Reading*
Explores current social issues that result in societal problems. It focuses on such issues as civil liberties, gender discrimination, substance abuse, crime, poverty, and social change.

Clock Hours: 45 (LEC)

🏠 SOC-216 - SOCIOLOGY OF GENDER 3.0 CR

PREREQUISITE: *College-Level Reading*
Gives students the theoretical and factual background necessary to understand the phenomenon of gender stratification in American and other cultures. Students will be exposed to a history of gender stratification in human societies, theoretical explanations for this, and insights into the consequences of gender differentiation in our world today.

Clock Hours: 45 (LEC)

🏠 SOC-218 - SOCIOLOGY OF DIVERSITY 3.0 CR

PREREQUISITE: *College-Level Reading*
Explores the variety of inter-group relations regarding race, nationality, ethnicity, gender, sexual orientation, and other diversity issues. Patterns of prejudice, discrimination, and possible solutions to these issues will be addressed.

Prev. Course Codes: (SOC-220) Clock Hours: 45 (LEC)

🏠 SOC-237 - SOCIOLOGY OF DEATH & DYING 3.0 CR

Provides an opportunity to familiarize students and professionals with the needs and issues surrounding dying and death. This course will provide sociological, psychological, religious, historical, and anthropological perspectives for interpreting contemporary American customs dealing with dying, death, and bereavement. We will examine the professions associated with death and dying, such as hospice, funeral and crematory institutions, and medical care.

Clock Hours: 45 (LEC)

*** SOC-261 - UNDERSTANDING CHILD SEXUAL ABUSE 3.0 CR**

PREREQUISITE: *College-Level Reading*
This course deals with an historical understanding of child sexual abuse, including definitions, dynamics, effects on the victim, how society intervenes, and prevention methods.

Clock Hours: 45 (LEC)

*** SOC-287 - INTERNSHIP I 1.0-6.0 CR**

PREREQUISITE: *College-Level Reading*
Provides work experience for students to gain practical work experience related to their educational programs.

Spanish SPA

SPA-100 - INTRODUCTION TO SPANISH 3.0 CR

Designed to give the student an overview of foreign language acquisition, an appreciation of foreign cultures, and to develop appropriate study skills for success in a foreign language classroom. Instruction will include basic vocabulary, grammar, and expressions that are used in daily situations.

Clock Hours: 45 (LEC)

SPA-101 - CONVERSATIONAL SPANISH I 3.0 CR

Offers beginning students the skills necessary to understand and speak Spanish. The material includes basic vocabulary, grammar, and expressions that are used in daily situations and in travel.

Prev. Course Codes: (SPA-101A) (SPA-101) (SPA-011) (SPN-135) Clock Hours: 45 (LEC)

SPA-102 - CONVERSATIONAL SPANISH II 3.0 CR

PREREQUISITE: SPA-101(1057); *Min. grade C-*
Offers students the skills necessary to understand and speak Spanish. The material continues to basic conversation patterns, expressions, and grammar.

Prev. Course Codes: (SPA-102A) (SPA-102) (SPA-012) (SPN-136) Clock Hours: 45 (LEC)

SPA-103 - INTERCAMBIO I: BEGINNING LEVEL 2.0 CR

Focuses on true conversational practice of Spanish and English between native Spanish speakers and native English speakers. Spanish and English learners will meet together under the direction of facilitators to practice their target language in group and paired teams. Weekly meetings will focus on rotating between themes and cultural sharing.

Clock Hours: 30 (LEC)

SPA-104 - INTERCAMBIO II: INTERMEDIATE LEVEL 2.0 CR

PREREQUISITE: SPA-103 or SPA-111; *Min. grade C-*

This class focuses on true conversational practice of Spanish and English between native Spanish speakers and native English speakers. Spanish and English learners will meet together under the direction of facilitators to practice their target language in group and paired teams. Weekly meetings will focus on rotating between themes and cultural sharing.

Clock Hours: 30 (LEC)

SPA-105 - INTERCAMBIO III: ADVANCED LEVEL 2.0 CR

PREREQUISITE: SPA-104 or SPA-211; *Min. grade C-*

This class focuses on true conversational practice of Spanish and English between native Spanish speakers and native English speakers. Spanish and English learners will meet together under the direction of facilitators to practice their target language in group and paired teams. Weekly meetings will focus on rotating between themes and cultural sharing.

Clock Hours: 30 (LEC)

*** SPA-111 - SPANISH LANGUAGE I 5.0 CR**

PREREQUISITE: *College-Level Reading*
Deals with the development of functional proficiency in listening, speaking, reading, and writing the Spanish language. Note: The order of the topics and methodology will vary according to individual texts and instructors.

Prev. Course Codes: (SPN-151) Clock Hours: 75 (LEC)

*** SPA-112 - SPANISH LANGUAGE II 5.0 CR**

PREREQUISITE: SPA-111; *Min. grade C-*
Continues Spanish Language I in the development of functional proficiency in listening, speaking, reading, and writing the Spanish languages. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prev. Course Codes: (SPN-152) Clock Hours: 75 (LEC)

*** SPA-114 - FAST-TRACK SPANISH I & II 5.0 CR**

Designed to bridge beginning SPA courses with intermediate SPA courses. It is designed for students who have studied two years of the target language in high school and possess linguistic and cultural knowledge that true beginners do not, but who are not ready yet to move to the intermediate level because they need an in-depth review of essential structures.

Clock Hours: 75 (LEC)

SPA-115 - SPANISH FOR THE PROFESSIONAL I 3.0 CR

PREREQUISITE: *College-Level Reading*
Designed as an introduction to a working knowledge of the target language, cultural behaviors, and values useful in various professional fields such as health care, law enforcement, bilingual education, business, and others.

Clock Hours: 45 (LEC)

SPA-175 - SPECIAL TOPICS 1.0-6.0 CR

Provides students with a vehicle to pursue in-depth exploration of special topics of interest.

*** SPA-178 - SEMINAR: CULTURAL JOURNEY TO SPAIN 3.0 CR**

Provides students with an experiential learning opportunity. Students take a cultural journey to Madrid and Granada, Spain to learn about this remarkable small country whose history and culture have impacted every corner of the world. Through museums, castles, cathedrals, mosques, monuments, live theater, and musical productions students learn of Spain's art, music, political history, and religion. Students will also study the Spanish language and culture while living with Andalusian families.

Clock Hours: 45 (LEC)

SPA-201 - CONVERSATIONAL SPANISH III 3.0 CR

PREREQUISITE: SPA-102; *Min. grade C-*
Provides students with the skills necessary to continue their study of understanding and speaking Spanish. The material includes intermediate-level vocabulary, grammar, and expressions.

Clock Hours: 45 (LEC)

SPA-202 - CONVERSATIONAL SPANISH IV 3.0 CR

PREREQUISITE: SPA-201; *Min. grade C-*
Provides students the skills necessary to continue their study of understanding and speaking Spanish. The material will continue to cover intermediate level conversational patterns, expressions, and grammar.

Clock Hours: 45 (LEC)

🏠 SPA-211 - SPANISH LANGUAGE III 3.0 CR

PREREQUISITE: SPA-112; *Min. grade C-*
Continues Spanish Language I and II in the development of increased functional proficiency in listening, speaking, reading, and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors.

Prev. Course Codes: (SPN-251) Clock Hours: 45 (LEC)

SPA-212 - SPANISH LANGUAGE IV 3.0 CR
PREREQUISITE: SPA-211; *Min. grade C-*
 Continues Spanish I, II, and III in the development of increased functional proficiency in listening, speaking, reading, and writing the language.
Prev. Course Codes: (SPN-252) Clock Hours: 45 (LEC)

SPA-231 - ADVANCED SPANISH CONVERSATION 3.0 CR
 Students will gain breadth and depth to their conversational skills, emphasizing current topics in the Hispanic world. Pre-requisite: two years of college Spanish or equivalent.
Clock Hours: 45 (LEC)

* **SPA-235 - SPANISH READING-WRITING** 3.0 CR
PREREQUISITE: SPA-212; *Min. grade C-*
 Builds vocabulary and develops reading and writing strategies in Spanish to be able to analyze fictional and non-fictional texts and gain further cultural insight of the Hispanic world.
Prev. Course Codes: (SPA-220) Clock Hours: 45 (LEC)

SPA-236 - LATIN AMERICAN CINEMA 2.0 CR
 This course is designed to introduce students to the cinematic work of a number of Latin American film artists using an interdisciplinary and cross-cultural approach emphasizing the socio-economic and political issues. The course is intended for students at the intermediate Spanish level or higher. Most films are subtitled in English or Spanish and class discussion is in Spanish.
Clock Hours: 30 (LEC)

SPA-237 - SPANISH CINEMA 2.0 CR
 This course is designed to introduce students to the cinematic work of a number of Spanish film artists using an inter-disciplinary and cross-cultural approach emphasizing the socio-economic and political issues. The course is intended for students at the intermediate Spanish level or higher. Most films are subtitled in English or Spanish and class discussion is in Spanish.
Clock Hours: 30 (LEC)

* **SPA-261 - GRAMMAR FOR THE HERITAGE LANGUAGE SPEAKER** 3.0 CR
PREREQUISITE: SPA-212; *Min. grade C-*
 Provides formal grammatical instruction to foreign language students, whether native or bilingual, who want to develop their existing proficiency in the target language.
Clock Hours: 45 (LEC)

* **SPA-262 - COMPOSITION FOR THE HERITAGE LANGUAGE SPEAKER** 3.0 CR
PREREQUISITE: SPA-212; *Min. grade C-*
 Provides formal composition instruction to Spanish language students, whether native or bilingual, who want to develop their existing proficiency in the target language.
Clock Hours: 45 (LEC)

SPA-275 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Clock Hours: 15 (LEC)

Theater Arts (Drama) THE

* **THE-100 - TECHNICAL THEATRE LAB** 1.0-3.0 CR
 Provides students with safety training for working with equipment used for Technical Theater, as well as hands-on experience in one or all of the following areas: stage lighting, set construction, stage properties, costuming, and makeup.
Clock Hours: 30 (LAB)

THE-105 - THEATRE APPRECIATION 3.0 CR
PREREQUISITE: *College-Level Reading*
 Includes discussions, workshops, and lectures designed to discover, analyze, and evaluate all aspects of the theatre experience: scripts, acting, directing, staging, history, and criticism.
Clock Hours: 45 (LEC)

* **THE-108 - PLAY READING** 2.0 CR
PREREQUISITE: *College-Level Reading*
 Introduces students to methods of reading literature for the stage. The course helps students learn to read plays fluently and exercise their imaginations for visualizing how a play looks, sounds, and feels when produced.
Clock Hours: 30 (LEC)

* **THE-111 - ACTING I** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Covers basic acting techniques and approaches, including scene study, improvisation, and script analysis. It includes practical application through classroom performance.
Prev. Course Codes: (THE-116) (DRA-155) Clock Hours: 45 (LEC)

* **THE-112 - ACTING II** 3.0 CR
PREREQUISITE: THE-111; *Min. grade C-*
 Continues to explore basic acting techniques and approaches, including scene study, improvisation, and intermediate script analysis. It includes practical application through classroom performance.
Prev. Course Codes: (THE-117) (DRA-156) Clock Hours: 45 (LEC)

* **THE-131 - THEATRE PRODUCTION I** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Allows students to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.
Prev. Course Codes: (THE-030) (DRA-190) Clock Hours: 90 (LAB)

* **THE-132 - THEATRE PRODUCTION II** 3.0 CR
PREREQUISITE: *College-Level Reading*
 Allows students to continue to put into practice theories of theatre production. Participation in set construction, scenic artistry, costuming, lighting, sound, acting, stage managing, and administration is available.
Clock Hours: 90 (LAB)

THE-141 - IMPROVISATION I 1.0 CR
 Helps students learn improvisation skills for performance and character development. Emphasis is placed on "Second City" style of improvisation.
Clock Hours: 15 (LEC)

THE-211 - DEVELOPMENT OF THEATRE I 3.0 CR
PREREQUISITE: *College-Level Reading*
 Surveys the history and evolution of drama from Ancient Greece to the Renaissance, emphasizing all aspects of the art from period values to analysis of dramatic literature and performance.
Prev. Course Codes: (THE-111) (DRA-151) Clock Hours: 45 (LEC)

THE-212 - DEVELOPMENT OF THEATRE II 3.0 CR
PREREQUISITE: *College-Level Reading*
 Surveys the history and evolution of drama from the Renaissance to the present, emphasizing all aspects of the art from period values to analysis of dramatic literature and performance.
Prev. Course Codes: (THE-112) (DRA-152) Clock Hours: 45 (LEC)

* **THE-246 - REHEARSAL & PERFORMANCE** 1.0 CR
PREREQUISITE: ENG-060 REA-090; REA-CLR ENG-060; *Min. grade C-*
 Gives the student actor practical experience in a real acting environment. Through the audition and rehearsal process the student's imagination and creative potential will be stimulated. Special attention will be given to characterization, stage movement, speech techniques, dramatic form, and the rehearsal/production/performance process. The successful rehearsal and presentation of the current production to the public will be the focal point of their activities. Previous acting experience is helpful but not required.
Prev. Course Codes: (THE-270) Clock Hours: 30 (LAB)

* **THE-247 - REHEARSAL & PERFORMANCE II** 2.0 CR
PREREQUISITE: ENG-060 REA-090 THE-131; REA-CLR ENG-060 THE-131; *Min. grade C-*
 Gives the student actor practical experience in a real acting environment. Through the audition and rehearsal process the student's imagination and creative potential will be stimulated. Special attention will be given to characterization, stage movement, speech techniques, dramatic form, and the rehearsal/production/performance process. The successful rehearsal and presentation of the current production to the public will be the focal point of their activities. Previous acting experience is helpful but not required.
Prev. Course Codes: (THE-271) Clock Hours: 60 (LAB)

THE-275 - SPECIAL TOPICS 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with a vehicle to pursue special topics of interest. The content of this course is designed on an as needed basis to provide current, up-to-date information.
Prev. Course Codes: (THE-290B) (THE-280B) (THE-290B) Clock Hours: 15 (LEC)

THE-280 - INTERNSHIP 1.0-6.0 CR
PREREQUISITE: *College-Level Reading*
 Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.
Clock Hours: 45 (COOP)

Translation and Interpretation TRI

TRI-101 - INTRODUCTION TO TRANSLATION & INTERPRETATION 3.0 CR
Presents an introduction to translation and interpretation including basic principles, procedures, and techniques; a portrait of work duties of the various types of translators and interpreters; and theoretical foundations for translation and interpretation. Requires a SCAPE score over 800 or a CASAS score over 240.
Clock Hours: 45 (LEC)

TRI-102 - BUSINESS OF TRANSLATION & INTERPRETATION 2.0 CR
Presents an overview of the business of translation and interpretation including job searching, how to start a business, qualifications, and essential technologies. Requires a SCAPE score over 800 or a CASAS score over 240.
Clock Hours: 30 (LEC)

TRI-201 - CONSECUTIVE INTERPRETATION 3.0 CR
PREREQUISITE: TRI-101; Min. grade C-
Presents the theory, history, and skills of consecutive interpretation and fosters the practical application of these skills.
Clock Hours: 45 (LEC)

TRI-202 - SIMULTANEOUS INTERPRETATION 3.0 CR
PREREQUISITE: TRI-101; Min. grade C-
Presents the theory, history, and skills of simultaneous interpretation and fosters the practical application of these skills.
Clock Hours: 45 (LEC)

Veterinary Technology VET

VET-100 - INTRODUCTION TO VETERINARY TECHNOLOGY 2.0 CR
CO-REQUISITES: VET-105;
PREREQUISITE: College-Level Reading
This course is designed to introduce students to the veterinary profession and discusses career possibilities for the graduate veterinary technician. Topics will include medical terminology, ethics, breed identification of various species, occupational hazards, and career paths. A minimum grade of "C" is required for this course.
Prev. Course Codes: (VET-010) (AHT-110) Clock Hours: 30 (LEC)

VET-102 - COMPUTER APPLICATIONS FOR VETERINARY TECHNICIANS 1.0 CR
PREREQUISITE: VET-100(19393); Min. grade C;
This course will provide students with computer application skills appropriate for the veterinary setting. Students will apply the knowledge to use common veterinary software for client, patient, and all hospital records. A minimum grade of "C" is required in this course.
Clock Hours: 15 (LEC)

VET-103 - VETERINARY TECHNOLOGY MATH 1.0 CR
PREREQUISITE: MAT-099 College-Level Reading Min. grade C;
Presents a broad spectrum of information commonly referred to as Posology, which is defined as the study of dose and dosage in the field of applied pharmacology. This broad spectrum ranges from basic mathematics, elementary algebra, measurements, drug orders, and dose calculations to other calculations. The goal of this course is that each student be confident and capable of

calculating correct drug doses regardless of the physical form of the medication. A minimum grade of "C" is required in this course.
Clock Hours: 15 (LEC)

VET-105 - ANIMAL HANDLING AND RESTRAINT 2.0 CR
CO-REQUISITES: VET-100;
PREREQUISITE: College-Level Reading
This is an introductory course in proper handling, restraining, sexing, and basic manipulation of animals that are encountered in a veterinary practice. Restraint for administration of medication is an integral part of veterinary practice. Hands on practice on large and small domestic animals, avian species, and various others will be performed in this course. A minimum grade of "C" is required in this course.
Clock Hours: 45 (LECLB)

VET-111 - ANIMAL CARE I 1.0 CR
CO-REQUISITES: VET-121;
PREREQUISITE: College-Level Reading
This course provides practical application of concepts learned in the academic Veterinary Technology courses. Animals belonging to the program will be fed and maintained by the student. Each semester the student is assigned 14 days of morning and evening animal care responsibilities. This includes two week-ends. Sick and injured patients will be cared for by the student under the direction of the staff veterinarians. A minimum grade of "C" is required for this course.
Clock Hours: 22.5 (LECLB)

VET-112 - ANIMAL CARE II 1.0 CR
CO-REQUISITES: VET-123;
PREREQUISITE: VET-111; Min. grade C;
This course provides practical application of concepts learned in the academic Veterinary Technology courses. Animals belonging to the program will be fed and maintained by the student. Each semester the student is assigned 14 days of morning and evening animal care responsibilities. This includes two week-ends. Sick and injured patients will be cared for by the student under the direction of the staff veterinarians. A minimum grade of "C" is required for this course.
Clock Hours: 22.5 (LECLB)

VET-121 - CLINICAL PATHOLOGY I WITH LAB 5.0 CR
CO-REQUISITES: VET-111;
PREREQUISITE: College-Level Reading
This course is a clinical parasitology course dealing with the major parasite types that are encountered with companion animals and livestock. Major parasite types include: external parasites such as fleas, lice, ticks, and mites; nematodes; cestodes; trematodes; and filaroid worms. Specific parasite diseases will be discussed, such as Lyme Disease, Heartworm, Equine Strongyles, and exotic parasites. The basic laboratory provides clinical experience in diagnostic techniques used for parasites and urine. Urinalysis techniques will include macroscopic, microscopic, and chemical evaluations. A minimum grade of "C" is required in this course.
Prev. Course Codes: (AHT-115A) (VET-015A) (VET-020A) Clock Hours: 45 (LEC) 60 (LAB)

VET-123 - CLINICAL PATHOLOGY II WITH LAB 5.0 CR
CO-REQUISITES: VET-112;
PREREQUISITE: VET-121(272); Min. grade C;
This course is a continuation of disciplines that comprise clinical pathology and will include urinalysis, hematology, and clinical chemistry examinations. Topics will include renal function review, urine collection, urinalysis interpretation, blood collection,

leukocyte and erythrocyte formation and function, disease processes, and blood chemistry tests and their uses in diagnosis and prognosis. The laboratory is designed to develop competence in diagnostic procedures in the area of hematology. This course will compare hematologic traits of numerous species. Clinical biochemistry evaluations will be performed. Basic cytological examinations will be introduced. A minimum grade of "C" is required in this course.
Prev. Course Codes: (AHT-116A) (VET-021A) (VET-020A) Clock Hours: 45 (LEC) 60 (LAB)

VET-126 - EQUINE MANAGEMENT 1.0 CR
PREREQUISITE: College-Level Reading
This course is designed to provide students with a basic knowledge of the equine. Topics include breeds of horses and their uses, general care of the horse, equine grooming and hoof care, nutrition and feeding of the horse, tack and tack care, equine leg care and basic lameness, equine disease, and vaccination. The format will include lectures and practical demonstrations with horses. A minimum grade of "C" is required in this course.
Clock Hours: 22.5 (LECLB)

VET-132 - FELINE MANAGEMENT 1.0 CR
PREREQUISITE: College-Level Reading
This course is designed to provide students with basic knowledge and management techniques regarding the feline. The approach will be establishment of successful cattery. Specific feline problems and their solutions will be emphasized. Topics include: cat breeds and economic importance, feline grooming, feline diet and nutrition, feline diseases and medical conditions, breeding and reproduction. A minimum grade of "C" is required in this course.
Clock Hours: 22.5 (LECLB)

VET-134 - EXOTIC PET MANAGEMENT 1.0 CR
PREREQUISITE: College-Level Reading
This course is designed to provide students with knowledge of the particular problems encountered with exotic pets. Species would include: pet birds, reptiles, amphibians, tropical fish, ferrets, pet rodents, pet pigs, and others. Topics for each species include: anatomy and physiology, feeding and nutrition, housing, behavior, diseases, and disease prevention. A minimum grade of "C" is required in this course.
Clock Hours: 22.5 (LECLB)

VET-135 - WILDLIFE MANAGEMENT 1.0 CR
PREREQUISITE: VET-121(19591); Min. grade C
This course is primarily a wildlife first aid and emergency management course designed for the student who desires to work with injured and otherwise impaired wildlife. Topics include: wildlife life support systems, shock management, emergency triage methods used with wildlife, first aid, and patient monitoring. A minimum grade of "C" is required in this course.
Clock Hours: 22.5 (LECLB)

VET-136 - CANINE BEHAVIORAL MANAGEMENT 1.0 CR
PREREQUISITE: College-Level Reading
This course is a combined lecture, demonstration, and laboratory course designed to train the student in the basics of canine behavioral therapy. Types of behavioral problems, their prevention, and treatment will be discussed. Basic behavioral principles will be demonstrated with canines. A minimum grade of "C" is required in this course.
Clock Hours: 22.5 (LECLB)

VET-189 - COOPERATIVE WORK EXPERIENCE 3.0 CR
PREREQUISITE: VET-100(19393) VET-105;
 Min. grade C;

Provides work experience for students to gain practical work experience related to their educational program. A minimum grade of "C" is required in this course.
Clock Hours: 135 (CLIN)

VET-201 - ANESTHETIC NURSING 3.0 CR
CO-REQUISITES: VET-202, VET-206;
PREREQUISITE: VET-103 VET-123(274); Min. grade C;

This course explains the physiological and pharmacological changes produced by utilizing anesthetic drugs on veterinary patients. Topics include: pre-anesthetic medication and patient evaluation, induction agents, injectable anesthetics, inhalation anesthetics, local anesthetics, muscle relaxants, gas machines, patient monitoring, and anesthetic emergencies and how to manage them. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-202 - ANESTHETIC NURSING LABORATORY 2.0 CR
CO-REQUISITES: VET-201, VET-206, VET-207, VET-211;

PREREQUISITE: VET-103 VET-123(274) BIO-232(19594); Min. grade C;
 Animals will be anesthetized and monitored using a wide variety of agents used in practice and research. Students under direct faculty supervision will calculate drug doses, administer the drugs via various routes, intubate appropriate patients, connect gas machines, and maintain anesthesia for surgical preparation and procedures. A minimum grade of "C" is required in this course.

Clock Hours: 60 (LAB)

VET-203 - SURGICAL NURSING 3.0 CR
CO-REQUISITES: VET-204;
PREREQUISITE: VET-201 VET-202 VET-206 VET-207; Min. grade C;

Introduces techniques used in the process of assisting a surgeon in both large and small animal surgical procedures. Topics include: patient preparation, personnel preparation, surgical instrument sterilization and care, instrument identification and use, wound healing, shock and cardiac arrest, and the treatment of surgical emergency conditions. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-204 - SURGICAL NURSING LABORATORY 2.0 CR
CO-REQUISITES: VET-203;
PREREQUISITE: VET-201 VET-202 VET-206 VET-207; Min. grade C;

Practical application of surgical anesthesia and surgical assisting procedures will be covered in this course. Animal surgeries will be performed by a Doctor of Veterinary Medicine and the student will assist in the roles of scrub nurse, circulating nurse, equipment and patient preparation staff, and radiological technician. Proficiency will be determined by task performance and evaluation. A minimum grade of "C" is required in this course.

Clock Hours: 60 (LAB)

VET-206 - RADIOGRAPHY 3.0 CR
CO-REQUISITES: VET-207, VET-201, VET-202;
PREREQUISITE: VET-123(274) BIO-232(145); Min. grade C;

Students will learn the basics of producing a diagnostic X-ray to be interpreted by the veterinarian. Included will be topics such as: X-ray production, radiographic

exposure, composition of X-ray film, and radiation safety techniques. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-207 - RADIOGRAPHY LABORATORY 2.0 CR
CO-REQUISITES: VET-201, VET-202, VET-206, VET-207;

PREREQUISITE: VET-123(274); Min. grade C;
 Through taking and processing X-rays, the student will learn the correct methods of producing diagnostic radiographic exposures. Included will be techniques involving both large and small animals. This laboratory will be run in conjunction with the Anesthetic Nursing Laboratory. Radiation safety will be heavily emphasized for the protection of the student. A minimum grade of "C" is required for this course.

Clock Hours: 60 (LAB)

VET-208 - VETERINARY MEDICAL NURSING I 3.0 CR
CO-REQUISITES: VET-201, VET-202;
PREREQUISITE: VET-123(274) VET-206 VET-207 BIO-232(145); Min. grade C;

This course is designed as a system-based pathophysiology course that discusses each major body system and the way disease can alter that system's physiological response. VMN I focuses on veterinary medical problems for large animals including horses, llamas, and ruminants. Topics include: dentition, gastrointestinal, respiratory, eye and ear, central nervous conditions, and health programs. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-209 - VETERINARY MEDICAL NURSING II 3.0 CR
CO-REQUISITES: VET-203, VET-204;
PREREQUISITE: VET-208; Min. grade C;

This course is designed as a system-based pathophysiology course that discusses each major body system and the way disease can alter that system's physiological response. VMN II focuses on veterinary medical problems for small (companion) animals including dogs and cats. Topics include dentition and dental care, gastrointestinal, respiratory, eye and ear conditions, and health programs. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-211 - ANIMAL CARE III 1.0 CR
CO-REQUISITES: VET-201, VET-202, VET-206, VET-207, VET-208;
PREREQUISITE: VET-112 VET-111; Min. grade C;

This course provides practical applications of concepts learned in the academic Veterinary Technology courses. Animals belonging to the program will be fed and maintained by the student. Each semester the student is assigned 14 days of morning and evening animal care responsibilities. This includes two week-ends. Sick and injured patients will be cared for by the student under the direction of the staff veterinarians. A minimum grade of "C" is required in this course.

Clock Hours: 22.5 (LECLB)

VET-212 - ANIMAL CARE IV 1.0 CR
PREREQUISITE: VET-211; Min. grade C;

This course provides practical applications of concepts learned in the academic Veterinary Technology courses. Animals belonging to the program will be fed and maintained by the student. Each semester the student is assigned 14 days of morning and evening animal care responsibilities. This includes two week-ends. Sick and injured patients will be cared for by the student under the direction of the staff veterinarians.

A minimum grade of "C" is required in this course.
Clock Hours: 22.5 (LECLB)

VET-224 - PHARMACOLOGY 3.0 CR
PREREQUISITE: VET-103 VET-121(272) BIO-230(139); Min. grade C;

In this course the student will learn the principles of pharmacology, mechanisms of drug actions, specific drugs, and mathematical equations as they relate to pharmacology. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-260 - VETERINARY CLINIC MANAGEMENT 3.0 CR
PREREQUISITE: VET-100(19393) VET-105;
 Min. grade C;

Standard office procedures and administrative techniques used in a veterinary hospital are covered in this course. Topics include client and public relations, medical and financial records, inventory procedures, grief therapy, veterinary ethics, and law. A minimum grade of "C" is required in this course.

Clock Hours: 45 (LEC)

VET-287 - WORK EXPERIENCE 5.0 CR
CO-REQUISITES: VET-203, VET-204, VET-209;
PREREQUISITE: College-Level Reading

This course is a five-week experience in a veterinary hospital, clinic, or other veterinary establishment. If the student has sufficient practice experience, a zoo externship can be explored with the staff. The student will be evaluated by the veterinarians and technicians in the work experience as well as the college staff based on cumulative examinations, both written and practical. A minimum grade of "C" is required in this course.

Clock Hours: 225 (CLIN)

Welding WEL

WEL-100 - SAFETY FOR WELDERS 1.0 CR

Covers the hazards of welding on health and safety, locating essential safety information from a code or other standard, and identifying and applying shop safety procedures.

Clock Hours: 22.5 (LECLB)

WEL-101 - ALLIED CUTTING PROCESSES 4.0 CR
CO-REQUISITES: WEL-100;

PREREQUISITE: WEL-100; Min. grade C-

Covers setting up equipment and performing cutting and gouging operations utilizing the oxyacetylene, air carbon arc, exothermic, and plasma arc cutting processes. This course will also provide an introduction to blueprint reading.

Clock Hours: 90 (LECLB)

WEL-102 - OXYACETYLENE JOINING PROCESSES 4.0 CR
CO-REQUISITES: WEL-101;

PREREQUISITE: WEL-100; Min. grade C-

Introduces safety inspections, minor repairs, operating parameters, oxyacetylene welding equipment, and oxyacetylene welding, brazing, and soldering operations. Blueprint reading skills will be practiced in this course.

Clock Hours: 90 (LECLB)

WEL-103 - BASIC SHIELDED METAL ARC I 4.0 CR
PREREQUISITE: WEL-102(1137); Min. grade C-

Covers performing safety inspections, making minor repairs, adjusting operating parameters, and operating SMAW equipment utilizing E-6010 electrodes. Layout procedures and practices will also be introduced.

Clock Hours: 90 (LECLB)

<p>WEL-104 - BASIC SHIELDED METAL ARC II 4.0 CR <i>PREREQUISITE: WEL-103; Min. grade C-</i> Covers performing safety inspections, making minor repairs, adjusting operating parameters, and operating SMAW equipment utilizing E-7018 electrodes. Layout procedures will be practiced during this course. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-140 - WELDING PRACTICES & PROCEDURES 1.5 CR Teaches applied metallurgy, welding process applications, and related safety. This intensive course provides a one-of-a-kind opportunity for welding operators, technicians, and supervisors to learn more about the maintenance process and is ideal for improving the skills and on-the-job expertise of a wide range of personnel including: inexperienced welding operators, experienced welding operators in management positions, and anyone else working in a plant or equipment maintenance position where welding repairs are required. <i>Clock Hours: 33.8 (LECLB)</i></p>	<p>WEL-230 - PIPE WELDING I 4.0 CR <i>PREREQUISITE: WEL-103; Min. grade C-</i> Covers safety inspections, minor repairs, operating parameters, and operation of SMAW, GMAW, and FCAW equipment in a variety of positions on plain carbon steel pipe joints. Also covers evaluating and solving complex welding and fabrication problems and administering hands-on training and supervision to other students during assigned fabrication and welding operations. Student must have basic welding skills. <i>Clock Hours: 30 (LEC) 60 (LAB)</i></p>
<p>WEL-106 - BLUEPRINT READING FOR WELDERS & FITTERS 4.0 CR Covers interpreting weld symbols on blueprints, identifying proper layout methods and tools, and proper joint design necessary for various welding processes. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-160 - BASIC OXYACETYLENE CUTTING 1.0 CR Teaches how to safely set up and operate manual and machine-operated oxyacetylene cutting equipment. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>WEL-231 - PIPE WELDING II 4.0 CR Covers safety inspections, minor repairs, operating parameters, and operation of SMAW, GMAW, and FCAW equipment in a variety of positions on plain carbon steel pipe joints. Also covers evaluating and solving complex welding and fabrication problems and administering hands-on training and supervision to other students during assigned fabrication and welding operations. Student must have basic welding skills. <i>Clock Hours: 30 (LEC) 60 (LAB)</i></p>
<p>WEL-110 - ADVANCED SHIELDED METAL ARC I 4.0 CR <i>PREREQUISITE: WEL-104; Min. grade C-</i> Covers safety inspections, minor repairs, operating parameters, operation of SMAW equipment, and SMAW operations on groove and fillet welds utilizing E-6010 and E-7018 electrodes. Layout procedures will be practiced during this course. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-163 - BASIC SHIELDED METAL ARC WELDING 1.0 CR Teaches how to safely set up and operate the shielded metal arc welding equipment. <i>Clock Hours: 22.5 (LECLB)</i></p>	<p>WEL-236 - PIPE WELDING PRACTICES 3.0 CR Familiarizes the welding student and experienced welder with industrial practices and standards of the pipe welding industry, pipe welding machinery and tools, pipe definitions, American Society of Mechanical Engineers and American Petroleum Institute Pipe Code welding codes, testing procedures, and pipe welding practices. <i>Clock Hours: 67.5 (LECLB)</i></p>
<p>WEL-111 - ADVANCED SHIELDED METAL ARC II 4.0 CR <i>PREREQUISITE: WEL-110; Min. grade C-</i> Covers safety inspections, minor repairs, operating parameters, operation of SMAW equipment utilizing various electrodes, essential welding information from codes or other standards, and performance of weld inspections. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-175 - SPECIAL TOPICS 1.0-6.0 CR Exploration of current topics, issues, and activities related to one or more aspects of the named discipline.</p>	<p>WEL-238 - FABRICATION OF PIPE 3.0 CR Upgrades experienced welders in the areas of cutting, fitting, and pipe welding. Students make and use templates and apply proper welding techniques. The use of mathematics and shop drawings as applied to pipe welding procedures, and layout methods are covered. <i>Clock Hours: 67.5 (LECLB)</i></p>
<p>WEL-113 - OXYFUEL & PLASMA CUTTING 2.0 CR Outlines the skills needed to set up equipment and perform cutting and gouging operations utilizing the oxyacetylene and plasma arc cutting processes. <i>Clock Hours: 45 (LECLB)</i></p>	<p>WEL-201 - GAS METAL ARC WELDING I 4.0 CR <i>PREREQUISITE: WEL-111; Min. grade C-</i> Covers safety inspections, minor repairs, operating parameters, operation of GMAW equipment on plain carbon steel utilizing short circuit and spray transfer, and fundamental metallurgy principles. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-250 - LAYOUT AND FABRICATION 4.0 CR <i>PREREQUISITE: WEL-106; Min. grade C-</i> Develops welding and associated skills in the use of drawings and blueprints in planning. Includes designing and layout projects. <i>Clock Hours: 90 (LECLB)</i></p>
<p>WEL-121 - STRUCTURAL WELDING I 3.0 CR Covers theory and practice in oxyacetylene processes with emphasis toward AWS welder qualification with mild steel electrode E-7018 welding in the horizontal and vertical position. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>WEL-202 - GAS METAL ARC WELDING II 4.0 CR <i>PREREQUISITE: WEL-201; Min. grade C-</i> Covers safety inspections, minor repairs, operating parameters, operation of GMAW equipment utilizing a variety of electrodes and base metals, and fundamental principles of welding metallurgy to welding, fabrication, and inspection. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-251 - DESIGN, LAYOUT AND FABRICATION 4.0 CR <i>PREREQUISITE: WEL-250; Min. grade C-</i> Develops advanced welding and associated skills in the use of drawings and blueprints in planning. Includes designing and layout projects. <i>Clock Hours: 90 (LECLB)</i></p>
<p>WEL-122 - STRUCTURAL WELDING II 3.0 CR Continues WEL-121 with final emphasis toward AWS welder qualification with mild steel electrode E-7018 qualification test in the 2G, 3GU, and 4G position. <i>Clock Hours: 67.5 (LECLB)</i></p>	<p>WEL-224 - ADVANCED GAS TUNGSTEN ARC WELDING 4.0 CR <i>PREREQUISITE: WEL-124; Min. grade C-</i> Covers welding in all positions on carbon steel, stainless steel, and aluminum plate and carbon steel pipe with the GTAW process. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-278 - WORKSHOP .5-6.0 CR Provides students with an experiential learning experience.</p>
<p>WEL-124 - INTRODUCTION TO GAS TUNGSTEN ARC WELDING 4.0 CR Covers welding in all positions and on various joint configurations using the GTAW (tig) welding process on carbon steel, stainless steel and aluminum. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry. <i>Clock Hours: 30 (LEC) 60 (LAB)</i></p>	<p>WEL-225 - ADVANCED GAS METAL ARC WELDING 4.0 CR <i>PREREQUISITE: WEL-125; Min. grade C-</i> Covers welding in all positions on carbon steel plate with the GMAW process. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry. <i>Clock Hours: 90 (LECLB)</i></p>	<p>WEL-287 - COOPERATIVE EDUCATION .5-6.0 CR Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.</p>
<p>WEL-125 - INTRODUCTION TO GAS METAL ARC WELDING 4.0 CR Covers welding in all positions and on various joint configurations using the GMAW (mig) welding process on carbon steel, stainless steel, and aluminum. Student should be familiar with basic metallurgy pertaining to the weldability of metals, structural joints, and safety in the welding industry. <i>Clock Hours: 90 (LECLB)</i></p>		

CMC Full-Time Faculty

- Sharon Aguiar**, M.A., University of Colorado; *Associate Professor, English as a Second Language (ESL); Summit/Dillon Campus*
- Jerry Andrew**, M.Ed., Texas A&M University; B.S., Iowa State University; *Associate Professor, Outdoor Education and Leadership; Timberline Campus*
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- George Bagwell**, M.A., B.A., San Diego State University; *Professor, Social Sciences; Alpine Campus*
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- Cyrus Brown III**, M.A., University of Nebraska, Lincoln; B.A., Louisiana State University; *Associate Professor, Mathematics; Timberline Campus*
- Kevin Brun**, P.O.S.T. Police Officer Certifications; *Instructor, Colorado Law Enforcement Training Academy (CLETA); Roaring Fork/Spring Valley Campus*
- Thomas Buesch**, Ph.D., M.A., Northwestern University; B.S., Ripon College; *Professor, Communications and Humanities; Aspen Campus*
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- Derek Johnston**, B.A., Rochester Institute of Technology; *Associate Professor, Photography; Roaring Fork/Spring Valley Campus*
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- Steven Smith**, M.A., B.A., Ohio University; *Associate Professor, Professional Photography; Roaring Fork/Spring Valley Campus*
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- Rodrick Taylor**, Ph.D., University of Utah; B.S., Utah State University; *Associate Professor, Science; Roaring Fork/Spring Valley Campus*
- Nephi Thompson**, Ph.D., M.Phil., B.S., University of California; *Assistant Professor, Biology/Chemistry; West Garfield Campus*
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- Cynthia Zyzda**, M.F.A., Washington State University; B.F.A., University of Iowa; *Associate Professor, Visual Arts/Humanities; Alpine Campus*

CMC Full-Time Staff by Location

Alpine Campus

Steamboat Springs

Peter Perhac, Ed.D., University of San Francisco; M.A., B.A., John Carroll University; *Vice President, CMC; Campus CEO*

Marsha Arzy, Ph.D., Colorado State University; M.Ed., Montana State University, Billings; B.S., University of Wyoming; *Campus Dean, Academic Affairs*

Kathryn Barnett, M.S.W., Boston University; B.A., Middlebury College; *College Counselor*

Robert Beck, *Physical Plant Manager*

Myra Benson, B.A., Colorado State University; A.A.S., Colorado Mountain College; *Registration Technician*

Nancy Blank, B.S., Metropolitan State College of Denver; *Administrative Assistant I*

David Brees, *Maintenance Mechanic*

Annabelle Butler, *Bookstore Manager*

Gina Cartwright, B.A., University of Central Florida; *Administrative Assistant I*

Kevin Cooper, M.S., South Dakota School of Mines and Technology; B.S., Northland College; *Instructional Chair*

Robert M. Cordell, *Custodian*

Cory Ecklund, *Custodian*

Mary Edwards, B.S., State University of New York at Geneseo; *Financial Aid Specialist*

Debra Farmer, M.A., University of Colorado; B.A., Metro State College; B.A., University of Colorado; *Disability Services Coordinator*

Stephanie Fletcher, *Administrative Assistant II*

Erin Furman, *Technology Support Specialist I*

Brandon Fox, M.Ed., B.A., University of Nevada; *Coordinator, Student Activities & Summer Conferences*

Erika Grant, *Bookstore Assistant*

Jedediah Herb, M.A., B.A., University of Colorado; *Student Support Services*

Brian Hoza, *Campus Dean, Student Affairs*

Sandy Kent, B.S., State University of New York; A.A., Nassau Community College; *Instructional Support Technician*

Terry Leonard, *Ski Team Head Coach*

Laurie Marano, M.L.S., Regis University; B.A.E., Florida Atlantic University; A.A., Broward Community College; *Director, Success Center (TRiO Student Support Services)*

Bill Norris, *Maintenance Mechanic*

Amy Phillips, M.S., B.A., University of Rochester; *College Counselor*

Lianne Pyle, *Administrative Assistant II*

Alex Pond, A.S., Colorado Mountain College; *Custodian/Groundskeeper*

Lynda Pruitt, M.A., Bowling Green State University; B.A., Western State College; *Coordinator, Student Life*

Carol Richards, *Accounts Manager II*

Denise Roach, A.A., Colorado Mountain College; *Executive Administrative Assistant*

Kathie Rudasics, *Lead Administrative Assistant II*

Randall Rudasics, M.B.A., University of Wisconsin, Madison; B.S., Colorado State University; *Manager, Bogue Enterprise Center*

Sameta Rush, M.A.T., Alaska Pacific University; B.S., University of Nebraska, Lincoln; *Instructional Chair*

William Samuelson, COP, Electrical Technology, Colorado Mountain College; *Maintenance Mechanic*

Holly Smith, Ph.D., M.A., B.A., University of Florida; *Instructional Chair*

Elyse Tanner, *Administrative Assistant II*

Chip Von Thaden, *Custodian*

Kristin Weber, M.A., B.A., California State University; *Library Technician*

Linda Westlake, *Student Receivables Clerk*

Betty Whitmore, *Custodian*

Kevin Williams, M.S., University of Missouri, Columbia; B.A., University of Missouri, Rolla; *Library Director*

Shawndra Winter, M.Ed., American Intercontinental University; B.A., Oklahoma Panhandle State University; *Assistant Coordinator, Student Life*

Aspen Campus

Joe Maestas, M.A., University of Colorado, Denver; B.A., Mesa State College; *Vice President, CMC; Campus CEO*

Rebecca Arrington, B.A., University of Colorado, Boulder; *Executive Administrative Assistant*

Kelly Bejarano, A.A., Colorado Mountain College; *Administrative Technician*

Ann Berens, B.A., John Carroll University; *Administrative Technician*

Cody Chamberlain, M.A., B.A., Lewis University; *College Counselor*

Eileen Hinchliffe, B.A., University of Northern Colorado; *Division Director I*

William (Rick) Johnson, Ph.D., M.A., Duke University; B.A., University of Nebraska, Lincoln; *Instructional Chair*

Anne Maclean, B.A., University of Western Ontario, Canada; *Administrative Technician*

Margaret Maxwell, M.F.A., University of California, Irvine; B.A., California State University, Northridge; *Instructional Chair*

Josh Rubin, *Technology Support Specialist I*

Karen Silverman, B.S., University of Bridgeport; *Accounts Manager*

Kevin Wheeler, B.A., University of Colorado, Boulder; *Maintenance Manager*

Central Services

Glenwood Springs

Stan Jensen, Ph.D., University of Iowa; *President*

Rebecca Adair, B.A., Iowa State University; *Director, Risk Management*

Sandi Anderson, *Administrative Assistant I*

Kim Arnold, *Executive Administrative Assistant*

Jan Aspelund, M.B.A., B.A., Golden Gate University; *Vice President, Human Resources*

Judy Bailey, *Accounting Technician Payroll*

Brad Bankhead, M.A., Wayne State University; B.A., East Texas State University; *Vice President, Student Affairs*

Joe Blanc, *Smart Classroom Specialist*

Karen Bond, *Customer Support Specialist*

Steve Boyd, *Purchasing and Contracts Manager*

Jill Boyle, Ed.D., M.Ed., B.S., University of Massachusetts; *Senior Vice President*

Krysta Brubaker, *Executive Administrative Assistant*

Karleen Clark, B.S., University of Maryland, University College; A.S., Southwestern Community College; *Application Services Manager*

Curtis Cook, *Grants Development Coordinator*

Scott Cowdrey, M.S., Montana State University; B.S., California State University, Northridge; *Vice President, Chief Information Officer*

Brian Cox, *Journeyman Carpenter, Collegewide*

Debra Crawford, B.A., Colorado State University; *Director, Public Relations*

Krisan Crow, M.A., B.S., University of Wyoming; *Director, Developmental Education*

Deb Cutter, *Enrollment Services Specialist*

Jan Dean, B.A., Fort Lewis College; A.A., Colorado Mountain College; *Executive Administrative Assistant*

Dennis Diaz, *Custodian/Maintenance Mechanic*

Andre DuBois, *Database Administrator*

Shirley Eaves, A.G.S., Colorado Mountain College; *Customer Support Analyst*

Paul Edwards, B.A., University of California, Berkeley; *Admissions Counselor*

Carol Efting, COP, Colorado Mountain College; *Foundation Specialist*

Joe Elliott, *Construction Manager*

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