Central Wyoming College - 2025/2026 Catalog

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2025-2026 Catalog

Message from the President

Let the adventure begin!

We are unique and special, and we'd love you to be a part of our family. We are a nationally ranked, comprehensive four-year college with academic programs that cover traditional college majors and career and technical trades. We offer certificates, two-year associate degrees, and select bachelor's degrees, with many other bachelor's degrees available through transfer partnerships.

We reside in the beautiful mountain area of Wyoming, which offers opportunities for you to explore. We have residence halls in Riverton and at our mountain facility outside Lander. We have a vibrant student life experience with athletic teams, two theatres for plays and movies, many clubs, a choir, a band, and so much more. We are home to the Wyoming Public Broadcasting System (WPBS), which has a prowess in all things related to media and marketing. From our facilities in Jackson, adjacent to the Tetons and Yellowstone, we will soon be opening a new facility with even more course offerings.

Regarding the trades, you can learn to train horses in one of our two beautiful indoor arenas, weld pipe in an expansive shop with a robotic welder, or fix electric or gas cars in our auto bays. You can also become a nurse in our nationally-ranked nursing program, learn animal science, craft meat processing, and other agricultural trades, or acquire many job skills as part of our applied sciences certificates and degrees.

Do you already have a degree or trade? Our Bachelor of Applied Sciences (BAS) degree in Organizational Management and Leadership can help you advance your career. Do you want to become a teacher? Our BAS in Early Childhood Education prepares students to teach preschool through third grade.

In terms of arts and sciences, you can find your creative muse in our excellent theatre, art, or music programs. You can also fall in love with Shakespeare, discover the interworking's of human psychology, conduct hands-on scientific research, improve your writing or math skills, or discover the business entrepreneur within yourself. We have an extensive business start-up infrastructure. We even have a farm incubator program at our 127-acre mountain farm.

Whether you want to become a medical doctor, learn a trade, or acquire skills to enhance the quality of your life, we have a pathway for you. The sky's the limit. At CWC, you are the proverbial kid in the candy store.

You matter to us, and our mission is to serve you and transform your life positively.

Bradley P. Tyndall, Ph.D.
President of Central Wyoming College

Calendar

2025 Fall Semester Calendar

Registration for Fall 2025	April 8 - August 22
In-Service for Faculty and Staff	August 18 -19
Registration Payment Deadline	August 22
Classes Begin	August 25
Labor Day Holiday (College Closed)	September 1
Graduation Application Deadline for Fall 2025 Graduation	October 15
Early Registration for current students Spring & Summer 2026	October 27 - November 3
Early Registration for current students Spring & Summer 2026 (no classes)	November 4
Registration opens for all students Spring & Summer 2026	November 5
Last day to Drop Semester Length Classes	November 25
Thanksgiving Holiday (College Closed)	November 26 - 28
Classes End (Final Exams included during class time)	December 12

2026 Spring Semester Calendar

Registration for Spring 2026	October 27 -January 16
In-Service for Faculty and Staff	January 12
Martin Luther King/Equality Day (College Closed)	January 19
Classes Begin	January 20
Graduation Application Deadline for Spring 2026	February 15
President's Day (College Closed)	February 16
Spring Break (No Classes)	March 30 - April 2
Spring Holiday (College Closed)	April 3
Early Registration for current students Fall 2026	April 6 - 13
Early Registration for current students Fall 2026 (no classes)	April 14
Registration opens for all students Fall 2026	April 15
Last Day to Drop Semester Length Classes	May 1
Classes End (Final Exams included during class time)	May 14
Commencement	May 15

The calendar represents the college's best judgment and projection of the course of conduct of the college during the period addressed. It is subject to change due to forces beyond the college's control or as deemed necessary by the college in order to fulfill its educational objectives. Dates in the college semester Schedule of Classes supersede these dates.

Getting Started

Mission, Vision, Values

CENTRAL WYOMING COLLEGE MISSION

Transforming lives and strengthening communities through learning, leadership, and connection.

CENTRAL WYOMING COLLEGE VISION

CWC Cultivates vibrant, resilient communities as we:

- Inspire academic excellence
- Empower individuals
- Serve as a community leader and a role model
- Collaborate with partners
- Serve as a cultural and civic hub
- Promote economic development

CENTRAL WYOMING COLLEGE VALUES

WE ARE RUSTLERS!

Resilient

Understanding & Caring

Student-Centered

Tenacious

Learning & Improving

Equitable

Responsible to Others

Servant Leaders

About CWC

INSTITUTIONAL LEARNING OUTCOMES (ILO'S)

Central Wyoming College wants students completing course work to possess particular student attributes. Definitions of the five most important learning outcomes defined by CWC faculty are:

Civic Awareness and Engagement – *Civic Awareness and Engagement refers to how people feel, learn about, and take action in political, societal, or local issues of concern. These activities necessitate a combination of knowledge, skills, values, and motivation that are critical to the improvement of the quality of life in every level of society. Civic engagement includes both political and non-political processes, paid and unpaid forms of activism, environmentalism, and community, national, and/or international involvement.*

Communication - *The ability to exchange information, using various channels, including written, oral, visual, and digital, with critical analysis of context and audience/receiver.*

Critical Thinking - *Critical thinking is the analysis of ideas, information, or events to evaluate, construct, or implement an argument or solution. Critical thinking includes creative thinking, analytical thinking, systems design thinking, and critical examination of form, style, content, and meaning. Critical thinking results in creative solutions through exposure to multiple perspectives and disciplines.*

Personal and Professional Responsibility – *Apply knowledge, skills, and attitudes to succeed in a profession and/or academic program; demonstrate confidence and ability to meet personal social, academic, and career goals.*

Quantitative Literacy - *Quantitative literacy is synthesizing computational, graphical, mathematical, scientific, and logical information to solve problems. It is key to finding or disproving interrelatedness, assumptions, limitations, and bias in data and is the foundation for interpreting measurable information and formulating trends. Quantitative literacy is essential to making informed decisions as a global citizen.*

LOCALE

The CWC campus is located in Fremont County on the outskirts of Riverton, a city of about 10,000 on the banks of the Wind River. The campus and community lie in the Wind River Valley, a large lowland area bounded by mountains on three sides. The area has a wide range of environmental zones from cold desert to alpine.

The valley has a rich and varied history. A large portion is presently occupied by the Wind River Indian Reservation, home of the Eastern Shoshone and Northern Arapaho tribes. The rendezvous of the mountain men was held in the south portion in the early 1800s.

Central Wyoming College also serves communities in Hot Springs and Teton counties through outreach services and/or dual and concurrent course offerings.

ACCREDITATION

CWC is accredited by The Higher Learning Commission, 230 South La-Salle Street, Suite 7-500 Chicago, IL 60604-1413. Phone: 800-621-7440. FAX: 312-263-7462. Accrediting CWC's Nursing Program is the Accrediting Commission for Education in Nursing, 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326. Phone: 404.975.5000. Fax: 404.975.5020.

STUDENT CONSUMER INFORMATION

Student Consumer Information, Information on Students' Right to Know and the Campus Security Act is available online at as well as in the Student Handbook.

Central Wyoming College's annual Campus Security and Fire Safety Report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings or property owned or controlled by Central Wyoming College and on public property within, or immediately adjacent to and accessible from the campus and fire statistics for each on campus student housing facility. The report also includes institutional policies concerning campus security, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, missing student notification, and other matters. You can obtain a copy of this report by contacting the office of the Director of Campus Security at 307.855.2143 or 800.735.8418, ext. 2143 or by accessing the following website: www.cwc.edu. It is also printed in the Student Handbook.

The content of this Catalog is provided for the information of the student. It is subject to change from time to time as deemed appropriate by the college in order to fulfill its role and mission or to accommodate circumstances beyond its control. Any such changes may be implemented without prior notice and without obligation and, unless specified otherwise, are effective when made.

DEFINITIONS

Academic Year. Consists of fall, spring and summer sessions.

Continuing Education Unit (CEU). Consists of ten contact hours of participation in an organized non-credit, continuing education experience under the sponsorship and direction of Central Wyoming College. CEUs are for professional development versus personal development.

Co-Requisite Course. A course section supplementing a college-level course for students placing at a pre-college level.

Course. Major subject areas are broken down into smaller units. Each unit or course covers a defined portion of that subject area. See Course Descriptions listed in this catalog.

Credit Hour.

Central Wyoming College's Credit Hour Policy

Definition of a credit hour per WCCC Rules, Chapter 1:

"Credit hour" (consistent with federal regulations) means an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than: (i) one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester 1-4 hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or (ii) at least an equivalent amount of work as required in (i) above for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Federal Credit Definition (34CFR 600.2):

A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of- class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in 1 of this definition for other activities as established by an institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Central Wyoming College

Adhering to the Federal Credit Definition, for Central Wyoming College courses offered for academic credit, the credit hour is defined as the amount of work represented in the expected learning outcomes and verified by evidence of student achievement. Summer, shorter block, and distance education courses have identical expectations and in the case of in-person instruction, the same time requirements.

Definitions of one (1) Carnegie credit hour (50 minutes):

1. One hour of Carnegie class time of direct faculty instruction and two hours of out-of-class student work each week for approximately fifteen weeks (one semester) or equivalent work for a shorter period of time.
2. An equivalent amount of work and assessment for other activities including laboratory work, internships, practica and studio work.
3. A credit hour for CWC is 50 minutes. For courses such as online, where there is no required seat time, a credit hour is measured by an equivalent amount of work as documented by student outcomes and learning objectives (documented by course outlines, syllabi, and listed textbooks).
4. Course Types:

   Clinical: Course of study designed especially for the preparation of students; that practicum involves the supervised practical application of previously studied theory in the field. Minimum 2250 minutes per credit hour.

   Directed Study: These courses utilize an independent study mode for specific areas of study not covered by courses in the catalog and are to be used in exceptional circumstances. In such courses, students will engage in a series of activities designed to develop competence in a specified area. Activities should include, but not be limited to, the development and preparation of presentations and special research. Specific requirements should be determined by the student and the instructor. The course should be of equal intensity and duration of a face-to-face course.

   Hybrid: These courses are a combination of lecture or lab (in-class) and online/Zoom courses. Some hybrid courses are lecture courses that are split into a lecture course with an online or Zoom component. Some hybrid courses are lab-based courses (i.e. Biology or Anatomy) that are split with the lecture online or Zoom and the lab content in class. Course assessment is based on attainment of course outcomes. Each course will have some portion of the course based upon lecture or lab calculation (750 minutes per credit hour for lecture or 1500 minutes per credit hour for lab) along with the online or Zoom portion being of equal intensity and duration of a face-to-face class.

Distance

a. Online: Course content is given online and interaction is given via computer interface. Instruction, discussion, assessment, and feedback is conducted online.
b. Zoom: Meetings are virtually via zoom at Scheduled times.

Laboratory: Primary method of instruction is hands-on/application oriented. Minimum 1500 minutes per credit hour.

Lecture: Primary method of instruction is verbal - instruction/discussion/group interaction format. Minimum 750 minutes per credit hour.

Lecture/Lab: These courses combine lecture and laboratory learning into an integrated course period. Lecture/lab (LAL) courses will combine lecture into the laboratory setting to facilitate student application of content into the hands-on laboratory setting. Each course will be scheduled based on the defined lecture and lab calculations.

Music Lessons: These courses are for intensive individualized instruction on voice or a musical instrument. Direct contact time between the student and instructor for 1 credit would be 30 minutes per week for 15 weeks. Additionally, the student is expected to practice a minimum of 4 to 12 hours per week for 15 weeks depending on whether the lesson is for non-majors or music majors.

Curriculum. An organized program of study made up of specific courses which are arranged in such a way as to provide educational preparation for a career or further study in that field.

Pre-college Courses. Those courses necessary to meet the needs of the under-prepared, entry-level college student. The courses are academically at a pre-collegiate level and provide skills that prepare students for college level courses.

STUDENT CLASSIFICATIONS

Full-time student. A student registered for 12 or more credits per semester.

Part-time student. A student registered for fewer than 12 credits per semester.

Freshman. A degree-seeking student who has accumulated less than 30 credits.

Sophomore. A degree-seeking student who has accumulated 30 or more credits.

Junior. A degree-seeking student who has accumulated 60 or more credits.

Senior. A degree-seeking student who has accumulated 90 or more credits.

Degree-Seeking. Status of enrolled student who has officially declared a program of study designed to meet requirements for a Certificate of Completion, Associate Degree or Bachelor of Applied Science Degree offered by the institution.

Grade Point Average (GPA). A semester GPA is a student's grade point average for all the CWC courses in which the student is enrolled for that semester. An overall or cumulative GPA is the student's grade point average for all the CWC college courses taken to date. The highest GPA a student can earn is a 4.00 (A). A 2.00 cumulative GPA is required for graduation.

Regular degree-seeking matriculated student. A student, at least 16 years of age, enrolled in an AA, AS, AAS, ADN, BAS, or certificate program.

Dual Credit/Concurrent Enrollment High School Student. An eligible high school student may enroll as a non-degree seeking student, in postsecondary education offered by Central Wyoming College in accordance with a signed articulation agreement. The articulation agreement contains the policies and procedures for this admission status.

Enrolling at CWC

OPEN ADMISSION

Central Wyoming College has a policy of open admission and therefore admits persons age 16 years and older as degree-seeking matriculated students who have the desire to pursue post-secondary education, acquire specific skills, and have the ability to benefit. Non-degree-seeking students who have the desire to acquire specific skills and have the ability to benefit may be admitted if age 15 or older. Current high school students under the age of 16 may be concurrently enrolled through a Board of Cooperative Higher Educational Services (BOCHES) articulation agreement.

The College may deny or condition admission, readmission, or continuing enrollment of any individual who, in the judgment of the College, presents an unreasonable risk to the safety and welfare of the College and persons thereon. In making such judgment, the College may, among other things, take into account the individual's history and experience relative to (1) violence and destructive conduct, (2) such behavior at other educational institutions, and (3) any measures the individual may have successfully implemented to eliminate such conduct or behavior. A decision to utilize the authority conferred by this paragraph shall be communicated to the individual in writing. The College maintains procedures by which such decisions are made and appealed and a means through which reasonable accommodations for disabilities may be requested.

If CWC becomes aware an applicant or admitted student has been suspended or expelled from another institution, either through a transcript with a disciplinary notation or otherwise, the Dean of Students will solicit information from the prospective student and transcript-issuing institution as well as any relevant public records about the incident. The Dean of Students will present this research to the Students of Concern Admission sub-committee, which will decide to either admit the student on first-semester probation or deny or revoke admission as applicable. The applicant will be notified in writing of this decision. Applicants denied admission or students whose admission is revoked under this procedure who wish to appeal should provide a written justification to the Vice President for Student Affairs within 5 days of the admission decision. Applicants or students who provide false information in the course of this process will be denied admission or have admission revoked.

Students wishing to receive Title IV (Federal) funding (i.e., Pell grants, Federal Direct Student Loans, SEOG (supplemental opportunity grants), and Federal Work Study) must provide an Official High School Transcript or a High School Diploma if they have been out of high school for five or more years. College transcripts must also be submitted for any previous colleges attended. Official high school or college transcripts must be sent directly to Central Wyoming College from the institution attended. The document(s) are to be received directly from the institution(s) through one of the prescribed methods. (i.e., Parchment, Wyoming Transcript Center, USPS, or other secure authenticated option) Failure to provide these documents will disqualify the student from receiving any type of Title IV federal funding. Documents received are reviewed to determine authenticity by ensuring proper identifiers are on the documents. If documents are determined to be falsified, CWC is required to report the fraud to the Office of Inspector General at the Department of Education, and no federal aid will be offered.

STUDENT ADMISSION PROCEDURE

- Complete the CWC admission application. Students will not be allowed to register for courses until the college receives the admission application.
- Admission applications are available from the Admissions Office or on the CWC website (www.cwc.edu/apply). Online applications are encouraged for timely and accurate data entry. Students are encouraged to begin the admission process well in advance of registration.
- All new degree-seeking students are required to fill out the online college application, and degree-seeking students who have not enrolled in a credit class at CWC for a minimum of two years need to submit a new online application at www.cwc.edu/apply.
- All high school transcripts and high school equivalency certificates are to be sent to:

  Student Records Office
  Central Wyoming College
  2660 Peck Avenue
  Riverton, Wyoming 82501
- Degree-seeking students wishing to transfer credits into CWC must provide official college transcripts from previously attended post-secondary institutions. Transcripts must be sent directly from the institution attended to the Central Wyoming College Student Records Office. All transcripts become the property of the college and will not be released or copied for non-CWC third-party use.

INTERNATIONAL STUDENTS

Students who are neither citizens nor permanent residents of the United States are welcome to apply for admission. Once the student has completed all application requirements, he or she will be issued an I-20. Requirements for Admission are:

1. A completed CWC online application form.
2. Financial Support form with supporting certified bank statement indicating that the applicant, applicant's family, or applicant's sponsor are able to provide a minimum of $19,465 (U.S. funds) per academic year of study. (Please note that actual living expenses will depend on lifestyle, and the total expenses might be lower than or exceed $19,465).
3. CWC's health form, completed in English, and signed by a licensed physician.
4. Students must provide proof of health insurance prior to visa approval. The student may purchase a plan through an approved provider suggested by CWC or demonstrate sufficient coverage. Students may request a list of approved insurance plans from the admissions office by emailing international@cwc.edu.
5. A housing application and a $100 deposit.
6. Original high school/college transcripts, with English translation officially evaluated by an approved evaluation service. We recommend you use Spantran for your evaluation.
7. An official copy of the applicant's TOEFL, IELTS, or Duo Lingo score. CWC's requirement for foreign students is as follows:

English Proficiency Examination	Minimum Required Score
Internet-based TOEFL test (iBT)	60
Revised TOEFL Paper-delivered test	47
Paper-based TOEFL test (PBT)	500
IELTS	6.0
Duo Lingo	85

CWC's institution code is 4115. The TOEFL score must be sent directly to CWC. Students from English-speaking countries may waive the TOEFL requirement with two (2) letters of recommendation from an authorized school official. Please contact the International Students email for more information: international@cwc.edu.

Please request all necessary application material from:

Central Wyoming College
International Student Advisor
307.855.2270
2660 Peck Avenue
Riverton, Wyoming 82501
international@cwc.edu

All international students attending college at Central Wyoming College must enroll in a minimum of 12 credit hours per semester for the fall or spring semester and minimum a of 6 credits for a summer semester.

Admission is granted after all documentation is received and approved, along with the understanding that the student has a valid, unexpired visa and the ability to provide evidence of financial support. The student must be fully prepared to meet the necessary financial obligations for the entire time they will be in the U.S.

More information is available at https://www.cwc.edu/international/

ASSESSMENT

Students pursuing a degree or certificate, or taking math classes, will need to take CWC's ALEKS placement test prior to advisement and registration or have current ACT or SAT scores sent to CWC. Part-time students enrolling in math are also required to take a placement assessment exam or provide the appropriate ACT or SAT scores.

The assessment exam is not used for admissions purposes. The purpose of the assessment exam is to insure that students register for courses that are appropriate for their skill level.

Students who are not placed into college-level coursework via ACT scores or previously earned college credit should take the ALEKS exam for placement. ALEKS offers an initial non-proctored assessment that can be completed at home, and Prep and Learning Modules to gain and refresh knowledge.

Students must discuss scores with their adviser to ensure proper placement has been met. Proctored placement test scores must be received and entered in the student file prior to course registration.

Math Placement for CWC can be determined by:

- Math ACT score (within the past 2 years) OR
- Score on a PROCTORED ALEKS Math Assessment OR
- Previously earned college credit (Subject to evaluation by the Office of the Registrar)

Students who do not have placement scores for English must consult their adviser and register for both ENGL-1007/ENGL-1010. Placement at that point will be based on the instructor's recommendation. ACT Placement Scores for English are as follows: ACT score of 18 will place a student into ENGL 1010, if a student ACT score is 17 or lower they will be placed into ENGL-1007/ENGL-1010.

For all college level courses, i.e. those numbered 1000 or above, it is the student's responsibility to have the necessary college level skills in composition and mathematics to be successful in the class. College level skills in composition and mathematics can be demonstrated by assessment testing, ACT or SAT test scores or successful completion of the appropriate pre-college courses. Students who are unsure of the required academic skills for a particular class should contact the instructor of the course, an academic advisor, or the appropriate Dean.

It is important for students to note that pre-college courses will count in class loads for financial aid and scholarship eligibility, except for the Hathaway Scholarship, and will be computed in their grade point average. However, these courses cannot be applied toward meeting degree requirements, nor are they considered in computing President's and Dean's honor roll lists.

When neither pre-college nor college level studies is appropriate, students may receive educational service through the CWC Adult Basic Education (ABE) program.

WIND RIVER JOB CORPS

Through the Wind River Job Corps partnership with Central Wyoming College, eligible students may earn work skills and/or college credit while attending Wind River Job Corps. Some of the programs include, but are not limited to, the following: Welding, Accounting, and other programs. For more information regarding programs or eligibility, please call 307-855-2115.

REGISTRATION

Students may enroll in classes during the registration periods indicated in the academic calendar and the Schedule of Classes publication. Registrations will be accepted up to the first day of class.

Information regarding class availability and registration procedures is published prior to the beginning of each semester. All new and returning degree-seeking students are required to schedule an advising session to register. Students with holds may not be permitted to register. An advising session may be scheduled by contacting:

Central Wyoming College Rustler Central – Riverton 307.855.2115
Dubois Outreach Office 307.455.2625
Jackson Outreach Office 307.733.7425
Lander Outreach Office 307.332.3394

or by contacting your Faculty Advisor, whose name is available in MyCentral, under the "Rustler Central" tab.

SUCCESS COACHING AND FACULTY ADVISORS

Each student declaring an area of emphasis is assigned to a Success Coach & Faculty Advisor. The Faculty member generally teaches in the student's area of emphasis. Success Coaches and Faculty Advisors assist students in planning their programs of study and with other academic and career-related concerns. After the student's first term, the student will be encouraged to meet with their respective Faculty Advisor, who will work with the student on academic advising, registration, career, and other related issues, while the student's Success Coach will continue to assist in areas like Financial Aid, personal issues, etc.

ACADEMIC PROGRAM DECLARATION

All degree-seeking students shall declare an academic program. All academic programs are listed in the Degrees and Certificates Section (p. 61) of this catalog.

Adding a Course

Degree-seeking students, in consultation with their Faculty Advisor or Success Coach, may add courses during the regularly scheduled registration periods. Late registrations may be allowed up through the Friday of the first week, but instructor permission is required; registration is facilitated by the Success Coach. No late registrations are generally allowed after the first week. However, if attempted, instructor permission is required, Dean permission is required, and registration is facilitated by the Success Coach.

New students or students who have been absent at least one year should not be allowed to register late after the first day of classes without instructor permission, Dean permission, and contact with their Faculty Advisor or Success Coach.

Policies for Students

NON-DISCRIMINATION STATEMENT

Consistent with its mission to value diversity and to treat all individuals with dignity and respect, Central Wyoming College does not discriminate on the basis of race, color, religion, sex (including pregnancy, sexual orientations, marital status, or gender identity), national origin, age, disability (mental and/or physical), veteran status, or genetic information in admission, or access to, or treatment, or employment in its educational program services or any other activities. The college makes reasonable accommodations to serve students with special needs and offers services to students who have the ability to benefit. Inquiries concerning:

- Title VII and Title IX may be referred to Jason DeMayo, Director of Human Resources, Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2113
- Section 504 of the Rehabilitation Act may be referred to the Counselor and Disability Services Coordinator, Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2011.

Inquiries may also be sent to the Office of Civil Rights for Wyoming at Denver Office, Office of Civil Rights, U.S. Department of Education, Federal Building, 1244 Speer Blvd, Suite 310, Denver, CO 80204-3582, 303-844-5695, Fax 303-844-4303, TDD 303-844-3417, email OCR_Denver@ed.gov.

The spirit of free inquiry, which characterizes the educational environment, must be allowed to flourish within the context of mutual respect and civil discourse. Discriminatory, threatening, or harassing behavior against any group or individual based on, but not limited to, race, color, religion, sex (including pregnancy, sexual orientations, marital status, or gender identity), national origin, age, disability (mental and/or physical), veteran status, or genetic information will not be tolerated.

STUDENT PRIVACY

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records. These rights include:

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 should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The college official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the college official does not maintain the records 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 an amendment of the student's educational records that the student believes is inaccurate.

   Students may ask the college to amend a record that they believe is inaccurate. They should write the college official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate. 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.

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, which 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 position; a trustee or outside contractor such as an attorney or auditor acting as an agent for the college; a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks, volunteers and other non-employees performing institutional services and functions as school officials with legitimate education interests. 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. The college specifically includes the Wyoming Community College Commission and the CWC Foundation as school officials. Upon request, the college discloses education records without consent to officials of another school in which a student seeks or intends to enroll; to accrediting agencies; to comply with a judicial order or lawfully issued subpoena; in connection with financial aid for which a student has applied; in connection with a health and safety emergency; to military recruiters; to the Wyoming Community College Commission; and to the CWC Foundation. The Privacy Act specifically states that parents and other third parties may not have access to a student's educational records, unless the student gives written permission. The college reserves the right to make certain exceptions to the above for federal and state agencies that are gathering information for statistical purposes.

4. The Vice President for Student Affairs may contact parents, legal guardians, or law enforcement as deemed necessary where there is a danger to a student or to others, or when a student is involved in alcohol and/or drug violations on campus.
5. The right to file a complaint with the U.S. Department of Education concerning alleged failures, by Central Wyoming College, to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington, DC 20202-4065

Students' consent to release of Directory of Information defaults to 'Yes' upon admission to Central Wyoming College. This permission is in effect until changed with a completed Directory Information Change of Consent form submitted to the CWC Student Records Office. Note that student athletes and students participating in officially recognized activities will need to consent to Directory Information due to the nature of their official functions.

Directory information includes all data the college may give to the public regarding students, unless specifically requested not to do so by the student. Directory information includes: name (preferred name), address (preferred mailing address), photograph, hometown and state, CWC student e-mail address, program of study, degrees, certificates or awards, dates of attendance, full-time or part-time enrollment status, participation in officially recognized activities and sports, and height and weight of members of athletic teams. The preceding information applies to students currently enrolled or former students.

Please note that on occasion due to extenuating circumstances a student from one course section may attend another course section or lab. This is an exception to standard practice and will be done when necessary in order to achieve the educational objective of the student.

STUDENT CONDUCT

One of Central Wyoming College's core values is mutual respect and civil discourse. All members of our campus community have an important role in creating a learning environment by being respectful and civil.

A student may be placed on disciplinary probation, suspended, or dismissed from the college for conduct contrary to law, the rights of others, or the best interests of the campus community. Maximum penalty may be imposed for crimes committed in which the student intentionally selects the person against whom the crime is committed because of race, religion, color, disability, sexual orientation, national origin, or ancestry of that person. Possession of alcoholic beverages, illegal drugs, the unlawful or unauthorized use, possession, or storage of firearms or other lethal or dangerous weapons on campus or at any college-sponsored activity constitutes grounds for suspension. Disciplinary action is handled by the Dean of Students. A student under suspension may petition for readmission. The President retains the right to evaluate special cases involving probation, dismissal, or suspension.

A student's professional, ethical, and behavioral conduct shall be assessed by the college throughout his/her program and is subject to the Student Disciplinary Code, available each year in the Student Handbook.

ACADEMIC AMNESTY

Academic amnesty allows students to remove grades from their cumulative GPA for courses in which they earned a D or F. To qualify for Academic Amnesty, the student must be enrolled in a CWC degree program or seeking to transfer. Amnesty cannot be granted for work applied toward a degree that has been awarded. A minimum of one year must have passed between the end of the semester(s) for which amnesty is sought and the date of amnesty application. The student must have earned a minimum 2.0 grade point average in at least 12 credit hours earned during the most recent semester(s) enrolled at CWC. All transcripted courses in all semesters needed to compile the minimum 12 credit hours will be used in calculating the minimum grade point average. Academic Amnesty does not apply to coursework from other post-secondary educational institutions. Academic Amnesty Petitions may be obtained from the Student Records Office.

If Academic Amnesty is approved, the student's record for the course(s) approved will not be counted toward completion of the current degree program, admission to CWC programs, application for CWC scholarships nor satisfactory academic standing. (This policy does not include review of federal financial aid eligibility. A separate written appeal must be submitted to the Financial Aid Office for financial aid eligibility). To earn credit toward a degree for the course removed, the course must be repeated.

All previous work, whether from CWC or transfer, will remain on the student's permanent record. A notation will be entered when/if amnesty is granted, and the appropriate calculations in grade point average will be made to reflect the granting of amnesty and will be printed on the CWC transcript. Academic Amnesty, if granted, will only be applicable to CWC and does not impose any decision on any other institution(s) which the student may subsequently attend. A student may be granted Academic Amnesty at CWC only one time.

ACADEMIC DISHONESTY

Academic dishonesty is not tolerated. Academic dishonesty includes plagiarism, cheating, tampering with electronic media and/or any conscious act by a student which gives him or her undue advantage over fellow students.

Plagiarism is copying or using the ideas or words of another without giving proper credit. Cheating involves obtaining and making unauthorized use of answers to examinations, tests, quizzes, and laboratory reports, as well as copying from fellow students or submitting work that has been done by someone else.

When suspected cases of academic dishonesty arise, faculty shall seek to verify the violation and confront the student(s) involved. After establishing the violation, the appropriate sanction shall be decided by the faculty member in consultation with the academic Dean as appropriate, unless the sanction involves a recommendation that the student be expelled. Only the College President may expel a student. Incidents of academic dishonesty are tracked to monitor trends and identify multiple violations by the same student.

In the case of multiple violations, a student may also be in violation of the student disciplinary code and subject to additional sanctions. Due process shall be followed at all times. A student may appeal any sanction he or she feels is unfair or arbitrary using the Student Grievance process outlined in the Student Handbook.

CREDIT FOR PRIOR LEARNING

Central Wyoming College recognizes that students acquire knowledge in many settings. Credit for Prior Learning (CPL) is the process CWC uses to validate college-level knowledge and competencies gained through industry, military, or other educational experiences outside the traditional classroom. CWC offers students several ways to earn CPL: by professional certification, professional associations, portfolio assessment, and many forms of direct examination. The following criteria are applicable to CPL:

1. Students are limited to earning a maximum of 75% of the credits in their declared program through CPL and Transfer Credits.

2. None of these methods for alternative credit can be used for financial aid, scholarships, and athletic/activity eligibility.

3. Credits earned through Credit by Exam might not be accepted for transfer at another institution.

4. With the exception of Credit by Exam and Portfolio Assessment all CPL will be shown as Transfer Credit on the student's Program of Study, but will not be reflected on the student's official CWC transcript and will not transfer into the CWC GPA.

5. Students must be admitted to CWC and declare a degree-seeking program or certificate to be eligible for CPL.

6. CPL cannot duplicate other credit awarded.

7. Credit may be granted only for documented learning which falls within the normal curriculum of the college or ties the prior experience to theories and content of the relevant academic field(s), and are part of the student's designated program of study at CWC.

8. The Registrar will evaluate Credit by Exam credits from other institutions for transfer credit on a case by case basis.

Certifications and Licenses

National certifications, licenses or assessments are earned in many industries. Certifications and licenses must be current and valid, and submitted to the Registrar for evaluation. Documentation of competencies will be evaluated on a case by case basis. The Registrar will coordinate with the appropriate faculty or dean for review of the certification/licensure for course transfer credit equivalency, if deemed acceptable. Evaluation of credit earned, when applicable, will normally be completed within 20 business days of submission.

CWC Professional Affiliations

Students may be able to obtain transfer credit for prior learning obtained while under the direction of organizations or institutions that have a professional relationship with Central Wyoming College. An example of this is an agreement that is in place for students to obtain credit for prior learning for certain courses taken at the National Outdoor Leadership School (NOLS). Please contact the Registrar for more information.

Portfolio Assessment

College-level learning acquired through college-level courses, work and other learning activities such as independent reading and study, or other self-directed learning, may be assessed via portfolio.

Contact the appropriate program faculty to determine if this option is available for the course you wish for review. Admitted CWC degree-seeking students in good academic and financial standing may petition to receive credit via a portfolio assessment or evaluation of prior experience for courses numbered 1000-2999. This method of obtaining educational credit is not recommended for all students and/or courses. Some students may obtain a combination of Credit by Exam and credit via Portfolio Assessment at the same time as faculty evaluate their prior experience.

1. Students must not be currently enrolled in the course to be assessed.

2. Students may seek credit via portfolio assessment for any given course only once in a twelve-month period.

3. The fee for credit by portfolio assessment is $50 paid before the assessment is made. The fee is not considered tuition for the course, therefore is in addition to tuition paid for all other registered courses for the semester in which the credit for portfolio assessment earned.

4. Credit awarded will be determined by program faculty.

5. A copy of the Portfolio Assessment Policy and Request Form is available upon request from the Student Records Office.

6. Please note, credits earned through Portfolio Assessment might not be accepted for transfer at another institution.

7. Evaluation and transcription of credit earned through portfolio review will be completed within 20 business days when submitted during the fall or spring terms. Portfolios submitted during the summer term or holiday breaks may require additional evaluation and processing time.

8. Credit via portfolio assessment is not available for courses for which CLEP is available.

Direct Exam

Students may earn a portion of their degree by methods other than the traditional classroom educational experience by demonstrating their knowledge through examination. Credits may be earned through Advanced Placement Examination (APE), College Level Examination Program (CLEP), International Baccalaureate (IB), Wyoming Constitution Test, DANTES, and military service. If the request is granted, a departmental instructor will develop an exam that corresponds with the outcomes, objectives, and rigor of the course and program. Exams may be written, oral, or a demonstration.

Advanced Placement Examination (APE)
Central Wyoming College participates in the advanced placement program for high school students conducted by the College Entrance Examination Board. Students showing proficiency will pass the APE with one of the following scores:

5 Extremely Well Qualified
4 Well Qualified
3 Possibly Qualified

Contact the Student Records Office for specific qualifying score information.

Students receiving passing scores on the APE exams will receive transfer credit and a grade of "S." Students who are unable to make arrangements through their high school to take the examinations should write to the College Board Advanced Placement Examinations, P.O. Box 6671, Princeton, New Jersey 08541-6671. CWC does not transfer in advanced placement credits from another institution. An official score report must be requested from the College Board (see address above) and be sent directly to the CWC Student Records Office.

College Level Examination Program (CLEP)
Central Wyoming College accepts many of the subject examinations of the College Level Examination Program (CLEP). Students may earn college credit through these examinations by scoring at least the minimum scores established by Central Wyoming College. Applications for the examinations can be made at any time. There is a fee for CLEP Examinations. Copies of the CLEP Policy are available upon request from the Testing Center located in the CWC Library or the Student Records Office. If CLEP is not available for a particular course, students may consider Credit by Examination (see Credit by Examination policy).

International Baccalaureate (IB)
Central Wyoming College grants credit on a course-by-course basis for higher level exams in which grades of 4 or higher are received. Please contact the Office of the Registrar for information on the evaluation of specific exams.

DANTES
Central Wyoming College accepts a number of examinations from the Defense Activity for Non-Traditional Education Support (DANTES). Students may earn college credit through these exams by scoring at or above the minimum scores established by Central Wyoming College. There is a fee for each examination. For copies of the DANTES policy and information about taking the exams, contact the Student Records Office or the CWC Testing Center.

Military Service Credit
This institution will inquire about each veteran or veteran benefits eligible person's previous education and training, and request transcripts from all prior institutions, including military training, traditional college coursework and vocational training. Previous transcripts will be evaluated and credit will be granted, as appropriate.

Students must submit a Joint Services transcript or other appropriate documentation of the courses and applicable experiences to the CWC Registrar.

1. The credit from the military transcript is evaluated by the Registrar according to American Council on Education (ACE) recommendations.
2. Freshman and Sophomore level (Lower Level) courses are accepted for transfer. Upper Level courses will be accepted on a case by case basis, upon student request, only if required for the student's degree program.
3. The Office of the Registrar determines course equivalencies. If the equivalency is not readily apparent, the Registrar will consult with the appropriate faculty or dean. If a course equivalency is not made, the course will be transferred as an elective.
4. Total transfer course credits will be noted on the student's CWC official transcript, but not the individual courses.
5. The transfer GPA is not displayed on the CWC official transcript.

CWC Credit by Examination

Students may take Challenge Exams (skills assessment) developed by CWC faculty for courses in which he/she is seeking credit. Not all CWC courses have the Challenge Exam option available. Contact the appropriate faculty to see if this option is available for the course you wish to challenge. Enrolled CWC degree-seeking students in good academic and financial standing may petition to receive credit by examination for courses numbered 1000-2999. Credit by examination includes Challenge Exams (skills assessment) and other methods of student competence. This method of obtaining educational credit is not recommended for all students and/or courses. Students are encouraged to consult with their advisors before considering this option.

1. Students must not be currently enrolled in the course to be challenged.
2. Students may seek credit by examination for any given course only once in a twelve-month period.
3. The fee for credit by examination is $50 paid before the examination is given. The fee is not considered tuition for the course, therefore is in addition to tuition paid for all other registered courses for the semester in which the credit by examination is earned.
4. A copy of the Credit by Examination Policy and Request Form is available upon request from the Testing Center or the Student Records Office.
5. Please note, credits earned through Credit by Examination might not be accepted for transfer at another institution.
6. Credit awarded will be determined by program faculty.
7. Evaluation and transcription of credit earned through Challenge Exams or portfolio review will be completed within 20 business days when submitted during the fall or spring terms. Portfolios submitted during the summer term or holiday breaks may require additional evaluation and processing time.
8. Credit by Examination is not available for courses for which CLEP is available.

Wyoming Constitution Test

All students graduating from any degree program at CWC must complete the Wyoming Constitution general education requirement. If students have successfully completed a government or constitution course in any of the other 49 states or the District of Columbia, they may take the CWC Wyoming Constitution test to complete the requirement. Upon successful completion of the test, the students will receive 1 credit of "Credit by Examination" posted on their transcript. The test fee is $50 during the semester the test is taken. Students eligible to take the CWC Wyoming Constitution test should contact the Testing Center located in the CWC Library.

GUARANTEE OF TRANSFER CREDIT TO OTHER INSTITUTIONS

The Central Wyoming College Board of Trustees, in conjunction with the Central Wyoming College Administration, officially recognizes the high quality of education offered through transfer programs by issuing the following guarantee:

Each student is hereby guaranteed that a maximum of 60 credits of CWC credit courses listed in the Wyoming Catalog of Higher Education Courses, numbered 1000-1499 and 2000-2499 and which are completed with a grade of "C" or better will transfer to regionally accredited state-supported four-year colleges and universities anywhere in the United States.

If transfer problems arise, the student must provide a letter from the receiving institution no later than 30 days after the start of the student's first term of enrollment at the receiving institution. That letter must be from an appropriate official at the receiving institution explaining what transfer credit has been denied and why. Refunds are normally processed within 30 days of approval.

This refund policy refers only to individual CWC course tuition costs at the time the course was taken and does not include institutional fees, course fees, or other expenses.

The rights of the student under the Guarantee are personal and may not be assigned or transferred. The Guarantee does not apply to actions or changes on the part of receiving institutions or individual students, over which Central Wyoming College has no control.

The policy does not guarantee that all courses will necessarily be equated as equivalent courses or that the courses will count toward specific programs at the receiving institutions.

CAMPUS COMPUTER USE

Access to the electronic communications system at CWC is a privilege, not a right. Any use that adversely affects other users interferes with the efficient and effective operation of the system or the delivery of educational programs, or that violates any local, state, or federal laws or regulations or college policies and procedures may result in disciplinary action. For further information regarding policies for use of the CWC computer system please see the current CWC Student Handbook.

Academic Regulations

RESIDENCY CLASSIFICATION

Requirements for in-state residency for tuition determination for the Wyoming Community Colleges are established by the Wyoming Community College Commission. Residence classification shall be initiated for each student at the time the application for admission is accepted.

Classification Procedures

- A student assigned a non-resident classification may submit a request for reclassification to the Registrar or designee. **The student must submit the request and accompanying documentation on or before the first day of classes.** A decision will be rendered within 20 days of the first day of classes.
- Individuals may be reclassified for the following term when facts indicate that a change in residency has occurred since the time of original residence classification or upon student petition for reclassification.
- Reclassification as an in-state student will not be applied retroactively to previous terms.

Individuals who qualify as Wyoming Residents shall pay the in-state tuition rate, as established by the Wyoming Community College Commission. All other individuals shall pay the out-of-state or Western Undergraduate Exchange (WUE) tuition rates, as established by the Wyoming Community College Commission. For the purposes of determining whether a student qualifies for in-state or out of state tuition, the following guidelines apply.

A. The following students are considered Wyoming Residents:

1. Financial dependent with a parent or guardian who lives in the State of Wyoming. (Provide most recent tax return for verification of dependent status. Additional documents may be required to show length of residency in Wyoming)
2. Graduate of a Wyoming high school. (High School transcript or diploma may be required)
3. Recipient of a high school equivalency in Wyoming who also qualify for a Hathaway Scholarship. (Verification of Hathaway eligibility is required as well as completion of high school equivalency)

4. Active Wyoming National Guard member or U.S. Armed Forces member stationed in Wyoming, or their dependents. (Provide military enlistment papers or transfer orders)
5. Wyoming resident temporarily absent from the State due to military service, attendance at an educational institution, or other type of documented temporary absence. (Provide military discharge (Form DD-214), institution transcript/certificate, etc., and proof of residency).
6. Individual who has been awarded resident tuition status at another Wyoming Community College or the University of Wyoming.
7. The spouse or financial dependent of an individual who is determined to be a Wyoming resident pursuant to these Guidelines. (Provide copy of a marriage license and verification of spouse's residency)
8. Legal dependent of a Wyoming community college graduate. (Provide graduate's name, Wyoming Community College, graduation date, and verification of dependent status)
9. Individual with a permanent home in Wyoming. To determine if a permanent Wyoming home has been established, proof of at least two of the factors listed below are required:
   a. Evidence that any former out-of-state home has been abandoned,
   b. Evidence of full-time employment in Wyoming for a minimum of six continuous months prior to residency determination,
   c. Ownership of home or property in Wyoming,
   d. Six months of continual presence in Wyoming prior to residency determination,
   e. Former Wyoming residency and maintaining state ties,
   f. Reliance on Wyoming resources for full financial support,
   g. Wyoming vehicle registration dated a minimum of six months prior to residency determination,
   h. Wyoming address on most recent federal income tax return,
   i. A valid Wyoming driver's license dated a minimum of six months prior to residency determination,
   j. Wyoming voter registration.

   No one factor determines residence status. Documentation must show six months continual presence in Wyoming.
10. Veteran or eligible individual, as described in 38 U.S. C. 3679(c)(2), providing:
    a. A certificate or other evidence of the veteran's or uniformed service member's qualifying service of 90 days or more in the uniformed service of the United States;
    b. Documented evidence at the time of enrollment that:
       i. The applicant for resident tuition intends to live in Wyoming during the term of enrollment (lease agreement, power bill, etc);
       ii. The applicant is using educational assistance under either Chapter 30 (Montgomery GI Bill® – Active Duty Program), Chapter 31 (Vocational Rehabilitation and Employment (VR&E)), Chapter 33 (Post-9/11 GI Bill®), or Chapter 35 (Dependents' Educational Assistance) as described in 38 U.S.C.; GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). Please visit www.benefits.va.gov/gibill for more information about education benefits offered by VA.
       iii. The veteran was discharged or released from a qualifying period of service in the active military, naval or air service before the date of enrollment (DD214 showing date of discharge) or the uniformed service member is currently on active duty;

iiii. If the applicant is a spouse or a child of the veteran, the applicant is a transferee pursuant to 38 U.S.C. 3311(b) (9) or 3319 of the veteran's eligibility for educational benefits, or Section 3679(c), as amended and effective 1 August 2022.

A person who has qualified for resident tuition pursuant to the above requirements of this section, shall remain qualified in subsequent years if the person pursues one or more courses of education while remaining continuously enrolled, other than during regularly scheduled breaks, lives in the state during the term of enrollment, and, if the person is eligible through a transfer of eligibility pursuant to 38 U.S.C. 3319, the transfer has not been validly revoked.

B. The following students are considered non-residents:

1. Individuals who do not qualify under Section A above; and
2. Individuals who are not U.S. citizens or permanent residents except as provided by Section A.2 or A.3 above.

STANDARDS OF ACADEMIC PROGRESS FOR INTERNATIONAL STUDENTS

Federal regulations require an institution to establish *Standards of Satisfactory Progress for International Students* studying in the USA on an F-1 Visa. During their stay at Central Wyoming College, these students are required to maintain satisfactory academic progress each semester.

Standards of Satisfactory Progress for International Students studying in the USA on an F-1 Visa are as follows:

1. Students are required to enroll in at least 12 credits each semester for fall or spring semesters, a minimum of 6 credits for a summer semester; and
2. Students are required to earn at least 8 credits each semester for fall or spring semesters, at least 4 credits for a summer semester, and
3. Students are required to maintain a minimum cumulative 2.0 grade point average.

Pre-college level courses (courses numbered less than 1000) are included in the 12-credit enrollment requirement (6-credit for summer), the 8-credit earned requirement (4-credit for summer), and the calculation for cumulative grade point average for meeting the Standards of Academic Progress for International Students.

To earn credit in a course, the student must earn a grade of A-D or S. Courses with the following grades do not earn credit: F (Failure); Z (Audit); X (Incomplete); U (Unsatisfactory); IP (In Progress); T (Temporary); W (Withdrawal); AW (Administrative Withdrawal); and WI (Withdrawal by Instructor). Courses with a grade of D generally do not meet academic program requirements – see Degree Requirements (p. 76) in this catalog.

Failure to maintain the requirements stated above will result in a student being put on probation with CWC and with the Office Immigrations and Customs Enforcement (ICE) for a period of one semester. Failure to maintain these requirements for two consecutive semesters will result in termination of the student's visa.

Students on other forms of visa are required to abide by the visa restrictions as stated by the State Department.

TRANSFER OF CREDIT FROM OTHER INSTITUTIONS

Students may use transfer coursework accepted by CWC to satisfy graduation requirements; however, CWC does not use transferred coursework to calculate cumulative grade point averages, nor to determine academic standing. CWC encourages transfer students to provide course descriptions of completed classes and college catalogs from other institutions. The granting of transfer credit does not automatically imply acceptance of those credits to specific degrees since requirements vary from program to program. Transfer credit granted by Central Wyoming College does not imply those credits will be accepted and transfer to other institutions. The following conditions apply regarding transfer credit from another college:

1. For all students pursuing an Associate degree or Certificate, Central Wyoming College will evaluate for transfer credit freshman and sophomore college-level courses completed with a "C" or better at accredited institutions of higher education and may consider, on an individual basis, college-level studies from institutions that are not accredited. Credit by Exam courses will be considered on a case by case basis, and will be evaluated in the same manner as other coursework.
2. For all students pursuing a Bachelor of Applied Science degree, Central Wyoming College will evaluate for transfer credit freshman, sophomore, junior and senior college-level courses completed with a "C" or better at accredited institutions of higher education and may consider, on an individual basis, college-level studies from institutions that are not accredited. Credit by Exam courses will be considered on a case by case basis, and will be evaluated in the same manner as other coursework.
3. International transcripts must be evaluated with English translation by an approved evaluation service. We recommend you use Spantran for your evaluation.
4. Students are limited to earning a maximum of 75% of the credits in their declared program through Credit for Prior Learning or Transfer Credit.
5. If a student has concerns about a transfer of credit and wishes to appeal a decision, he or she may appeal to the Registrar's Office. The student will need to submit a copy of a course syllabus, along with a written request for a review to the Registrar indicating why he or she is asking for the appeal. Other course materials that the student believes to be helpful to the appeal may also be submitted. The Registrar will request a review of all submitted information by a faculty member and/or Division Dean in the content area.
   Students wishing an evaluation of collegiate work for transfer should:

- Request institutions previously attended send official transcripts directly from the institution to:

  Student Records Office
  Central Wyoming College
  2660 Peck Avenue
  Riverton, Wyoming 82501
- Have a current CWC admission application on file.
- A transfer of credit evaluation is required by all CWC transfer students applying for financial aid.

Upon receipt, the Registrar will complete the evaluation. This evaluation will become part of the student's permanent file.

PROCEDURES FOR STUDENTS TRANSFERRING TO CWC CONFIRMED AA, AS, BACHELOR'S, AND AAS DEGREE

(If Not Transferring a Degree, Coursework will be Evaluated Course-by-Course)

Student Transferring to CWC from an Accredited Wyoming Community College or UW	Student Transferring to CWC from an Accredited College or University	Student Transferring to CWC from an Accredited Wyoming Community College OR Other State College or other State University
Confirmed AA, AS, Bachelors^	**Confirmed AA, AS, Bachelors^**	**Confirmed AAS**
Student will have met all general education requirements for AS, AA, ADN and AAS degrees. With a confirmed bachelor's degree (BAS or higher) the student will have met all general education requirements for the BAS degree.*	Student will have met all general education requirements for AS, AA, ADN and AAS degrees. With a confirmed bachelor's degree (BAS or higher) the student will have met all general education requirements for the BAS degree.* *Exception:* • If student has already taken the equivalent of POLS 1000, the student is required to take the Wyoming State Constitution Test. • If student has not taken POLS 1000 and/or American Government course, the student is required to enroll in POLS 1000, American & Wyoming Government.	CWC will review each general education requirement for transferability.
CWC PROGRAM REQUIREMENTS	**CWC PROGRAM REQUIREMENTS**	**CWC PROGRAM REQUIREMENTS**
• For AA, AS, AAS and Certificates, CWC will review all Freshman/Sophomore level courses for transferability. • Students pursuing the Organizational Management and Leadership, BAS degree options will be granted credit for all Lower-Level program requirements (excluding any General Education requirements which may not be covered in other areas of the program). • For students pursuing the Early Childhood Education, BAS, courses will be reviewed for transferability. • Junior/Senior level courses will be reviewed for transferability for the BAS degree. Upper level courses generally do not transfer into CWC for associate degrees or certificates except on a case by case basis.	• For AA, AS, AAS and Certificates, CWC will review all Freshman/Sophomore level courses for transferability. • Students pursuing the Organizational Management and Leadership, BAS degree options will be granted credit for all Lower-Level program requirements (excluding any General Education requirements which may not be covered in other areas of the program). • For students pursuing the Early Childhood Education, BAS, courses will be reviewed for transferability. • Junior/Senior level courses will be reviewed for transferability for the BAS degree. Upper level courses generally do not transfer into CWC for associate degrees or certificates except on a case by case basis.	• For AA, AS, AAS and Certificates, CWC will review all Freshman/Sophomore level courses for transferability. • Students pursuing the Organizational Management and Leadership, BAS degree options will be granted credit for all Lower-Level program requirements (excluding any General Education requirements which may not be covered in other areas of the program). • For students pursuing the Early Childhood Education, BAS, courses will be reviewed for transferability. • Junior/Senior level courses will be reviewed for transferability for the BAS degree. Upper level courses generally do not transfer into CWC for associate degrees or certificates except on a case by case basis.

General Education requirements listed outside of Program Requirements

^Degree must be from an Accredited Institution recognized by the U.S. Department of Education

CENTRAL WYOMING COLLEGE COURSE WITHDRAWAL POLICIES

Student-Initiated Course Withdrawal

Degree-seeking students, facilitated by their Faculty Advisor or Success Coach, may withdraw from any course through the last day to withdraw as published in the Schedule of Classes for that semester. Students receive a 'W' grade when they officially withdraw from a course.

Nondegree-seeking students may withdraw through the last day to withdraw as published in the Schedule of Classes for the semester. To withdraw from a course the student must call or contact a staff member at Rustler Central at 307-855-2115, or contact one of the outreach locations at Jackson or Lander, if appropriate. Students receive a 'W' grade when they officially withdraw from a course.

Faculty-Initiated Student Withdrawal

A student will be withdrawn by the instructor for non-attendance prior to the designated 12% date for a class. The student may appeal the instructor's decision for withdrawal and request re-enrollment within three (3) business days of being withdrawn. If the instructor does not give permission, the student can appeal to the Dean for that class. Ultimately, after the 12% date for the class, it is the student's responsibility to withdraw from a class by the printed withdrawal date for the class, and the student should contact his/her Faculty Advisor or Success Coach to discuss implications of withdrawal. Students receive a 'WI' grade when they receive a Faculty-Initiated Withdrawal from a course.

ADMINISTRATIVE WITHDRAWAL

Purpose

The purpose of this policy is to provide Central Wyoming College (College) with the authority and outline the procedures with respect to both (1) self-initiated administrative withdrawal by a student in the event of certain extenuating circumstances, and (2) involuntary administrative withdrawal of a student from the College, initiated by the College, in certain extraordinary situations involving a student's physical or mental health that may result in harm to the student or others.

Policy

Administrative Withdrawal Initiated by the Student

A student may request to be administratively withdrawn from the College for a specific term (all classes) or multiple terms in the event of a death of an immediate family member, severe illness, a call to active military duty, documented mental health reasons, or other documented extenuating circumstance(s). Such request must be submitted to the Registrar and reviewed and approved by the Vice President for Student Affairs. To initiate the approval process, a student must complete an Administrative Withdrawal Petition form. A student may petition for the current academic term or file a petition to retroactively withdraw from the College. With the petition, the student must present supporting documentation that demonstrates serious and compelling reasons justifying the withdrawal and describing the extenuating circumstances justifying its retroactive nature (if applicable). Poor academic performance alone, if that poor academic performance is not attributed to non-academic extenuating circumstances, is not a consideration for a retroactive administrative withdrawal. A student need not be currently enrolled at the College at the time the petition is submitted.

The Registrar will initially review the petition and will then forward the petition, along with the Registrar's recommendation, to the Vice President for Student Affairs for a determination.

If administrative withdrawal is denied by the Vice President for Student Affairs, the student may appeal the decision to the President. Such decision shall be final.

Involuntary Administrative Withdrawal of a Student

As a general rule, the policies and procedures articulated in the Student Handbook are the preferred method for addressing student behavior. However, in certain instances, the College may administratively withdraw a student from a course or courses against a student's wishes if such administrative withdrawal is in the best interest of the College and/or the student.

Such action may be taken by the College if it is determined, by credible and persuasive information, that the student is experiencing a physical or mental health disorder and as a result of the physical or mental health disorder the student behaves, or threatens to behave, in a manner which would:

- Pose a danger of causing harm to self or others; or
- Cause significant disruption to the academic or College-related activities of others; or
- Render the student unable to live independently in College owned housing or unable to provide for their own health and welfare; or
- Render the student unable to perform the essential functions of an educational program without requiring unreasonable modification of the program.

The Students of Concern Team will make a recommendation to the Vice President for Student Affairs regarding any involuntary withdrawal. The Vice President for Student Affairs will make the determination.

A student who is administratively withdrawn against his or her wishes may appeal the decision to the President. Such decision shall be final.

Other Provisions

When a student is administratively withdrawn from the College, either involuntarily or voluntarily, the student may receive a withdrawal without academic penalty (no failing grades will be assigned) from the current semester. A notation of "AW" (Administrative Withdrawal) will be assigned to the student's class(es) and will not be computed in the student's grade point average or completion rate for Academic Standing, but will be included for Financial Aid Standards of Progress.

When a student is administratively withdrawn from the College, either voluntarily or involuntarily, the student will not be entitled to a refund of tuition and fees. Additionally, if the student received financial assistance for the applicable class or term, those funds may need to be returned to the appropriate program based on the terms and conditions of the financial assistance award(s).

When a student is administratively withdrawn from the College, either voluntarily or involuntarily, the withdrawal will remain in effect until such time as the student formally requests to be reinstated to the College, and presents evidence that the issues that prompted the administrative withdrawal have been treated and will no longer jeopardize the health and safety of the student or the College community.

In considering an application for reinstatement following such withdrawal, the Vice President for Student Affairs or his or her designee may require the student applying for reinstatement to request documentation from his or her appropriate medical or mental health personnel in order to substantiate the student's readiness to return to active study at the College. Upon reinstatement, as appropriate, the Vice President for Student Affairs or his or her designee may require the student to adhere to specific written conditions (e.g., compliance with medical/mental health treatment recommendations) that must be met for continued attendance at the College.

Any questions regarding the interpretation of this procedure shall rest within the authority of the Vice President for Academic Affairs for final determination. Any reasonable deviation from these procedures as determined by the Vice President for Academic Affairs will not invalidate a decision unless significant prejudice to a student may result.

Interpretation of the Policy

Any questions regarding interpretations of this policy shall rest within the authority of the Vice President for Academic Affairs for final determination. Any reasonable deviation from these procedures as determined by the Vice President for Academic Affairs will not invalidate a decision unless significant prejudice to a student may result.

GRADING SYSTEM

Coursework is normally evaluated according to the following system of grades: (F grades do not earn credit)

Grade	Grade Points	Definition
A	4	Exceptional
B	3	Good
C	2	Average
D	1	Poor
F	0	Failure

In lieu of letter grades A through F, students may choose to have their performance graded as either satisfactory or unsatisfactory, in which case the following letters are used:

Grade	Grade Points	Definition
S	0	Satisfactory
U	0	Unsatisfactory

Students who earn an S receive credit for the course; students who earn a U do not. Courses taken on a satisfactory/unsatisfactory basis do not affect grade point average. Students may not use S/U for general education or program requirements unless the course is offered as S/U only. For students pursuing an AAS, AA, or AS degree, a maximum of 11 credit hours at CWC may be applied to graduation under the S/U grading system. Additionally, a maximum combination of 30 semester hours of CWC S/U credits and S/U credits obtained via Credit by Exam (CLEP, DANTES, etc.) may be used to satisfy degree requirements.

For students pursuing a BAS degree, a maximum of 22 credit hours at CWC may be applied to graduation under the S/U grading system. Additionally, a maximum combination of 60 semester hours of CWC S/U credits obtained and S/U credits obtained via Credit by Exam (CLEP, DANTES, etc.) may be used to satisfy degree requirements.

Students who wish to study a subject but who neither need nor want credit may choose to audit a course, in which case the following letter is used:

Grade	Grade Points	Definition
Z	0	Audit

Audited courses earn no credit but are recorded on transcripts. No incomplete grades will be issued for an audited course.

The following letters are used in certain circumstances:

Grade	Grade Points	Definition
AW	0	Administrative Withdrawal
Carries no credit and does not affect grade point average		
W	0	Withdrawal
Carries no credit and does not affect grade point average		
WI	0	Faculty Initiated Withdrawal
Carries no credit and does not affect grade point average		
T	0	Temporary
Assigned by the college when a faculty member is unable to complete grading because of an emergency		
X	0	Incomplete

An incomplete grade may be requested by the student when, due to extenuating circumstances, he/she is unable to complete course requirements. A signed Incomplete Grade request form must be submitted to the Student Records Office at least one week prior to classes ending. Students must complete class requirements within the time set by the instructor or the incomplete grade (X) becomes an (F). Incomplete grades cannot be changed to audit or withdrawn by the student once an incomplete grade is assigned. Students may obtain their grades by visiting the CWC web site (www.cwc.edu) and selecting the Rustler Central App via myCentral.

The grade of Incomplete (X) may affect their next semester's Financial Aid, Athletic Eligibility, and possibly other areas. It is the student's responsibility to understand the implications of how requesting the incomplete will affect them, by contacting staff in Rustler Central or their Success Coach to determine what the impacts will be.

ALTERNATE GRADE OPTIONS

S/U Grade Option

Students may request a change from a letter grade to S/U option by the published last day to withdraw from semester length courses or prior to the published last class day for non-semester length courses. A completed Alternate Grading Option form must be submitted to the Student Records Office by the deadline in order for the desired grading change to take effect. Students may also request a change from S/U to a letter grade by submitting a letter of recommendation from the course instructor to the Student Records Office by the published last day to withdraw from semester length courses or prior to the published last class day for non-semester length courses.

Audit Option

Students may request a change from a letter grade to an Audit up to the 12% date (census date) for a course. A completed Alternate Grading Option form must be submitted to the Student Records Office by the deadline in order for the desired grading change to take effect. After the 12% date, the student must petition the Financial Aid office to change to an Audit. In the event that the Audit would result in funding being paid back to an outside source, the petition would be denied. Students may also request a change from Audit to a letter grade by submitting a letter of recommendation from the course instructor to the Student Records Office by the published last day to withdraw from semester length courses or prior to the published last class day for non-semester length courses.

GRADE APPEALS

Faculty members have both the right and responsibility to set their own grading standards, to judge student work according to these standards, and to assign grades. A student who believes that a grade has been assigned improperly should visit first with the faculty member and then, if necessary, with the Dean. If the issue is not resolved at that level, the student may contact the Vice President for Academic Affairs.

HONOR ROLL

Students earning at least 12 credit hours of college level courses in a semester at Central Wyoming College with letter grades of A,B,C,D, or F in those college level courses are eligible for the Honor Roll. Students earning a semester grade point average of 4.00 are placed on the President's List. Students earning a semester grade point average of 3.50-3.99 are placed on the Dean's List. Pre-college course grades and credits are not used in the computation of the semester grade point average used for the President's List or the Dean's List Honor Roll. Honor Roll is processed during the fall and spring terms only. Students who denied approval for Directory Information to be released will not have their names published.

GRADUATION HONORS

A student must have a minimum of thirty (30) credits of work completed at CWC before becoming eligible for honors, high honors, or highest honors at graduation. The 30 credits must be completed prior to the semester the student is graduating.

Highest Honors:	4.0 GPA*, at least 30 credit hours completed at CWC, excluding developmental courses.
High Honors:	3.75 GPA and above but less than 4.0 GPA*, at least 30 credit hours completed at CWC excluding developmental courses.
Honors:	3.50 GPA and above but less than 3.75 GPA*, at least 30 credit hours completed at CWC, excluding developmental courses

*College level courses that are taken for an "A-F" grade from Central Wyoming College.

ACADEMIC STANDING

Good Standing

Good Standing is a term used to describe students who maintain at least a 2.00 Cumulative GPA*.

Academic Probation

Academic Probation is a warning that a student is not in Good Standing. **A student whose cumulative Grade Point Average (GPA) falls below 2.00 will be placed on Academic Probation during the next semester in which they are enrolled.**

Any student on Academic Probation will be required to maintain frequent contact with their respective Success Coach.

At the end of each probationary semester, the student who:

1. Achieves a 2.00 cumulative GPA or higher will be placed on Good Standing;
2. Achieves a 2.00 semester GPA or higher, but the cumulative GPA is still below 2.00 will remain on Academic Probation;

*Cumulative GPA includes all CWC and Transfer credits, excluding those that qualify for Academic Withdrawal or Academic Amnesty.

STUDENT TRANSCRIPTS

Central Wyoming College transcripts may be obtained in the following way:

- Submit a request through the CWC web site at https://www.cwc.edu/transcripts/

For further information about transcript services, please contact the Student Records Office in Rustler Central at 307-855-2115.

TRANSCRIPT/REGISTRATION HOLDS

Students with debts to Central Wyoming College shall have a hold placed on their academic records. Students with holds shall not be permitted to register for courses until accounts are paid in full and the hold has been released.

REPEATED COURSES

When courses are repeated, previous credits attempted and earned continue to appear on the transcript. The credits and grade points previously earned are excluded in the computation of cumulative grade point average and the completion of graduation requirements. The most recent A, B, C, D, or F grade earned will be used to calculate the cumulative grade point average. When a course is repeated for an Audit grade, the Audit will not replace previously earned grades of A,B,C,D,F,S or U.

Note that some courses are approved to be repeated up to a maximum number of times. Once this maximum is reached, the course repeat policy will be implemented on the transcript.

Money Matters

Money Matters

Students are expected to pay all tuition and fees or set up a payment plan in the Business Office at the time of registration. Payment deadlines are established for preregistration periods and are advertised campus-wide. Late payments are assessed at the rate of $20 per month. Students who have received notification of funding, such as grants, loans, or scholarships that cover their semester balance in full, are exempt from payment deadline requirements.

The college reserves the right to withhold normal services to students until all financial obligations to the college are fulfilled. Even if the student does not receive a Statement of Account from the college, it is the student's responsibility to pay the Current Balance Due generated upon adding or changing classes. Account balances may be reviewed on the student portal.

If the student does not plan to attend the classes for which he/she has registered, it is the student's responsibility to withdraw from those classes, or the student will be subject to failing grades for the semester, affecting future financial aid.

Students enrolled in classes at the CWC centers in Jackson and Lander should check with the center coordinator or their faculty members about local deadlines and procedures.

Inclusive Access: Some classes are participating in the Inclusive Access program to the benefit of the student. In the course schedule sections that are participating will have a comment that states it is part of the Inclusive Access program. For further information visit the bookstore website at http://www.cwc.edu/life/bookstore or contact the bookstore directly at 307-855-2201.

Tuition

2025-2026 Tuition and Fees

The chart below reflects 15 credits of Tuition and Fees. Central Wyoming College reserves the right to change tuition rates in accordance with state requirements. (The cost listed below is for the 2025-2026 academic year for 15 credits. Tuition/Fees fluctuate from year to year).

Wyoming resident per semester	$2,467.50
Out-of-state resident per semester	$5,617.50
WUE per semester	$3,262.50

(See WUE program section (p. 34) for definition and qualifications)

Senior citizens (60 years of age or older) of Fremont County, who are Wyoming residents, pay no tuition if they complete a Tuition Grant Request, but are responsible for the payment of fees.

2025-2026 Per Credit Tuition Rate

The following Tuition & Fee rate will be charged per credit. (The cost listed below is for the 2025-2026 academic year. Tuition/Fees fluctuate from year to year):

Wyoming resident Per credit	$164.50
Out-of-State Resident Per credit	$374.50
WUE Per credit	$217.50

Senior citizens (60 years of age or older) of Fremont County, who are Wyoming residents, pay no tuition if they complete a Tuition Grant Request, but are responsible for the payment of fees.

Out-of-State Tuition

For specific information about residency regulations, refer to the Getting Started section (p. 5) of the CWC catalog. Students with questions about residency regulations should contact the Student Records Office.

WUE Program

Central Wyoming College participates in the Western Undergraduate Exchange Program (WUE) and students in certain western states may qualify for a reduction in out-of-state tuition. Through WUE, students from certain western states may pay 150 percent of resident tuition, plus other fees that are generally applicable to all students at CWC. In all cases, the sum is considerably less than the regular non-resident tuition/fee charges. For more information about the WUE program, contact the Student Records Office. As of this catalog's publication, resident students from the following states may participate if they meet eligibility requirements:

Alaska	Arizona	California
Colorado	Guam	Hawaii
Idaho	Montana	Nevada
New Mexico	North Dakota	Oregon
South Dakota	Utah	Washington
Commonwealth of the Northern Marianas Islands		
Republic of the Marshall Islands		

Note: Although Nebraska is not considered a WUE state, students from Nebraska are currently granted the same 150 percent tuition rate.

Fees

General fees are charged at a rate of $59.50 per credit hour and are used to support a variety of activities for students. A portion of the revenue generated from general fees is allocated to the Student Senate which, in turn, uses the monies for student planned events. Other general fee revenues are budgeted by the college for college operations directly related to student activities. General fees assessed to off-campus students are used to support off-campus operations.

A technology fee is assessed to support updated computer hardware and software on campus and in the Outreach Centers.

Course fees may be assessed in such areas as art, auto mechanics, computer science and other programs as described in the Schedule of Courses publication. There are other fees and charges which accompany a student's enrollment at the college. These fees or charges may be determined by contacting the college offices which administer the programs or activities in which the student intends to enroll or participate.

Specialized fees may be assessed such as a horse barn fee (boarding a horse), records fee, ID card replacement fee or gym locker replacement fee.

For the updated fee schedule, contact the Student Records Office.

Estimated Cost of Attendance

The estimated cost of attendance at CWC for a full-time in-state student, living on campus, per semester (based on 2025-26 costs and 15 credits per semester):

Tuition and General Fees	$2,467.50
Books and Supplies	$640
Housing	$2,372
Food	$2,205
Transportation	$885
Miscellaneous expenses	$750
Total	$9,319.50

Refund Policy

Students who have complied with established policies and procedures may be entitled to a refund of tuition and fees for credit classes from which they withdraw based upon the date of receipt of the appropriate forms in the Student Records Office. Petitions will only be accepted for financial matters occurring within the year prior to the date of the petition. Students should be aware that the process could take several weeks.

Full tuition and fees will be refunded for all classes that students withdraw from prior to the time the class starts. After the class starts, there will be no refund of tuition and fees for classes that meet less than 14 calendar days. Refunds for these short courses must be requested prior to the close of business before the class begins. For semester length classes and classes that meet over a period greater than 14 days, there will be a full refund of tuition and fees during the first 12 percent of class. No refunds will be made for $10 or less. This 12 percent date for refunds is printed for each class in the Schedule of Classes each semester.

Refunds will be processed in a reasonable time period. No refunds will be processed for students who do not officially withdraw through the Student Records Office. Any money due the college will be withheld before refunds are made.

Students enrolled in non-credit courses (including continuing education) will not be issued refunds after the class has started.

Housing deposits are refundable under the terms and conditions set forth in the Housing Agreement. Any refund due the student under this policy may be applied against housing damages which exceed the housing deposit.

Students may petition for an exception to the refund policies due to extenuating circumstances by submitting a Refund Petition form to the Student Records Office. The Vice President for Administrative Services will act on the petitions, return them to the Student Records Office and the student will be notified of the results. When students petition for refunds after the 12 percent date and refunds are approved, the refund will be considered for tuition only, not general or course fees.

For students who have received scholarships, grants, or Title IV aid, all or a portion of the refund may be returned to the funding source. Students enrolled in classes at the CWC centers in Dubois, Jackson and Lander and at other outreach sites should check with the center coordinator or their faculty members about local deadlines and procedures.

Fines and Outstanding Debts

Any debt not paid by the established due date may be assessed a late charge/balance forward charge of $20 per month. As for checks resulting in insufficient funds, a $35 returned check fee will be assessed. Additionally, non-payment of these debts may revoke a student's right to enroll in subsequent semesters at CWC. Delinquent debts may require other penalties in addition to these fees, such as collection costs and/or legal fees to be paid before good standing is restored to the student.

Individual students are liable for payment of fines such as those assessed due to the student's failure to return items of equipment provided by a department, careless or negligent breakage of equipment, or failure to comply with regulations for which a published system of fines is in effect.

Veteran Student Exception

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 GI Bill®* (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school <u>will not</u>:

- Prevent the student's enrollment;
- Assess a late penalty fee to;
- Require student to secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students will be required to:

- Produce the Certificate of Eligibility by the first day of class;
- Provide a written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). Please visit www.benefits.va.gov/gibill for more information about education benefits offered by VA.

Financial Aid

Although the cost of a college education at Central Wyoming College is relatively low, many students need and receive financial aid. During recent years, approximately 75 percent of CWC's degree-seeking students received some form of assistance. Financial aid is available, and applicants for admission are encouraged to apply. The Financial Aid Office welcomes inquiries about the wide range of financial aid opportunities available to CWC students.

Students' Rights and Responsibilities

Central Wyoming College makes every effort to ensure that qualified students will not be denied a college education because they are unable to meet the expenses of attendance.

Student applicants for federal assistance have the right to ask:

1. What financial assistance is available at Central Wyoming College;
2. What the deadlines are for submitting applications for financial aid;
3. How eligibility for financial aid is determined;
4. What portion of the financial aid received is "earned" and what portion is "unearned;" (See Return of Title IV Policy)
5. Students will be able to find the following information at www.studentaid.gov: interest rate carried by loan awards, the total payable amount, what the payback procedures are, the length of time the loan must be repaid, and when the repayment period begins;
6. What CWC's requirements are with regard to the maintenance of satisfactory academic progress/and satisfactory academic standing? Also, the appeal/petition process;
7. What the current comprehensive cost of attendance is;
8. What CWC's Return of Title IV Funds Policy is;
9. Where to obtain descriptions of the college's academic programs and facilities;
10. Under what type of accreditation or licenses the institution operate; and
11. What physical access and special services are available for students with disabilities?

Students who receive federal financial assistance at Central Wyoming College have a responsibility to:

1. Apply annually for financial aid, complete applications accurately, and submit them on time to the appropriate agency. Intentional misreporting of information is considered a criminal offense subject to penalties under the U.S. Criminal Code;
2. Return to the Financial Aid Office all required forms, documentation, verification documents, and/or newly requested information in a timely fashion;
3. Accurately complete a FAFSA in order to be eligible for any institutional aid for that academic year;
4. Read, understand and accept responsibility for all forms and agreements signed and keep copies of every item signed;
5. Become knowledgeable of the terms and conditions governing all assistance received;
6. Maintain satisfactory progress and good academic standing as defined by the college;
7. Know and comply with the institution's Return of Title IV Funds Policy; and
8. Be familiar with CWC's requirements with regard to enrollment status and degree candidacy.

Students should also be aware of the following information regarding the Privacy Act:

1. Under the Family Education Rights and Privacy Act (FERPA) of 1974, students are entitled to review their own financial aid records, files, and data. Requests to review files must be made in writing to the Financial Aid Office. Requests will be processed within three business days.
2. The use of a student's Social Security account number is protected under FERPA. For some programs, disclosure of the Social Security account number is required as a condition of participation. As an identifier, the Social Security account number is used in such program activities as determining program eligibility, certifying school attendance and student status and processing and verifying grant payments.

Basic Eligibility Requirements for Federal Student Aid

Students who wish to be considered for Federal financial assistance must, in addition to completing the financial aid application process, satisfy the following requirements:

1. Be enrolled as a degree-seeking student in an eligible program leading to a BAS, AA, AS, AAS, or Certificate I;
2. Be a United States citizen or an eligible non-citizen;
3. Have a high school diploma, GED, or high school equivalency certificate;
4. Maintain satisfactory academic progress per federal regulations toward completing a BAS, AA, AS, or AAS degree or Certificate;
5. Not be in default on a Federal Perkins, Federal Stafford, Federal PLUS, or Federal Direct Loan at any institution;
6. Not owe a repayment on a Federal PELL, ACG, FSEOG, or LEAP; and TEACH grant.

Federal Financial aid which is based on student eligibility, is available in three forms: Federal Grants, Federal Direct Loans, and Federal Work Study.

1. Grants: Federal Pell Grant, TEACH Grant, and Federal Supplemental Education Opportunity Grant (FSEOG)
2. Loans: Federal Direct Subsidized Loan, Federal Direct Unsubsidized Loan, and Direct Parent PLUS Loan for undergraduate students.
3. Employment: Federal Work-Study Program (FWS).

Student Loan Debt Management

Students who are considering a loan as part of their financial aid package owe it to themselves to become aware of the implications borrowing money to attend college can have on their future financial situation.

First-time loan borrowers at CWC and transfer students are required to complete the online Loan Entrance Counseling and Master Promissory Note prior to receipt of their first disbursement. Loan Entrance Counseling and Master Promissory Note are available on the Department of Education's website: www.studentaid.gov. Entrance counseling provides the following information:

1. definitions and differences among all student loan programs
2. explanation of how the student's total loan eligibility was calculated
3. applicable grace period allowed along with an explanation of deferments and forbearances offered
4. explanation and definition of default and its consequences
    a. liability for expenses incurred for collection
    b. loss of deferment options

   c. possible seizure of federal and state income tax refunds
   d. possible garnishment of wages
   e. loss of eligibility for further Federal Title IV student assistance
5. example of student loan repayment schedule
6. loan consolidation information
7. the borrower's responsibility to repay his/her loan and to notify lenders of any change of name, address, telephone number, or Social Security number
8. how to access and retrieve information from the National Student Loan Data System

All students who borrowed at any time during the current academic year and have dropped below half-time status (6-8 credits) or who graduated will be required to complete a Loan Exit Counseling at www.studentaid.gov within 30 days of dropping below half-time status, withdrawing, or graduating. This process provides students with information regarding their repayment options, rights, responsibilities and, obligations to the student loan program.

Financial Aid Process

This process should be completed by the Financial Aid Priority deadline of March 1st to ensure full consideration for all available aid. Students who fail to complete the process at least one month prior to the beginning of each academic term should plan to bring sufficient funds to cover tuition, fees, books, and supplies, as well as living expenses for at least the first two months of the term.

1. Complete the CWC Admission Application online at www.cwc.edu
2. If you do not already have an FSA ID, create one at the FSA ID site at https://studentaid.gov/fsa-id/create-account/launch?continueTo=fafsa. You need an FSA ID to electronically sign your FAFSA (Free Application for Federal Student Aid). If you are a dependent student (per the federal definition), your parents will need to create an FSA ID also to electronically sign your FAFSA.
3. Complete and submit the Free Application for Federal Student Aid (FAFSA) on line at www.studentaid.gov. Processing may take up to six weeks.
4. Students may review or download a copy of their FAFSA Submission Summary Report (FSS) upon completion of the FAFSA being processed. Students should check the FSS for accuracy. If corrections are needed, the student should log back into the FAFSA and update it, or come to the CWC Financial Aid Office to receive assistance.
5. The Federal Department of Education requires institutions to verify approximately 8 percent of their federal aid applicants, most of which are randomly selected by the Department of Education. Students chosen for verification are required to complete the documents listed on their CWC student portal (MyCentral). Students may be required to submit a signed copy of the 1040 tax return with all schedules or request a tax transcript from the IRS and forward it to the Financial Aid Office. Parent(s) of dependent students may also be required to submit a signed copy of the 1040 tax return along with all schedules or request a tax transcript from the IRS at www.irs.gov if the student is selected for verification.
6. Request an official copy of your high school transcript with graduation date, GED, or high school equivalency certificate; be sent directly to the Student Records Office. (If a student has already completed at least two years of post-secondary education, an official high school transcript is not required).
7. Request an official copy of all previously attended college transcripts to be sent directly to the Student Records Office.
8. Review the Financial Aid Handbook found at www.cwc.edu, "Pay for College", and "Financial Aid Forms."

Students will not be considered for financial aid until all admission and financial aid requirements have been satisfied.

Central Wyoming College endorses the principle that most aid should be granted to students based on financial need and that students and their parents should finance the cost of a college education to the degree they are able. Financial need is determined on the following basis:

1. Establish the cost to attend CWC (includes tuition and fees, books, housing, food, transportation, and miscellaneous personal expenses);
2. Subtract the Student Aid Index (SAI determined by submitting the FAFSA on the basis of federally established guidelines) and;
3. Subtract Pell Grant eligibility, if any;
4. Subtract non-need-based aid received (includes institutional and private donor scholarships, WIA, BIA, DVR benefits received, and any other aid forwarded to the college to be disbursed to the student);
5. Result equals any remaining unmet need and unmet cost (students are eligible to receive aid up to 100 percent of their cost of attendance through campus-based, federally-funded programs subject to the availability of funds).

Packaging Policy

Financial aid shall be awarded using the following packaging concept. All applicants who complete the financial aid application process (FAFSA) shall be awarded amounts from the following funds as applicable - and in the following order, subject to fund availability and determined by student aid eligibility.

1. Pell grants determined by Student Aid Index, enrollment, and Cost of Attendance (COA);
2. Federal Supplemental Education Opportunity Grant (FSEOG) $400 minimum, $800 maximum award based on eligibility and enrollment. Priority is to be given to students with a negative or zero SAI as determined by the FAFSA;
3. Federal Work Study ($750 minimum award, $3,000 maximum award. However, students may request to increase the $3,000 max if they have remaining unmet need). The student must notify the financial aid office they would like to be considered for Federal Work Study;
4. Federal Direct Subsidized Loan (maximum of $3,500 for Freshmen, $4,500 for Sophomores, $5,500 for Juniors (and up), or balance of unmet need, application required).
5. Federal Direct Additional Unsubsidized Loan (maximum of $2,000 per year for dependent students, $6,000 maximum per year for independent students. Students at the Junior or Senior level may qualify for up to $7,000 per year).

A financial aid offer letter notification is emailed by July 1 to eligible students who complete the application process by March 1st. Students have the option to decline or accept any or all awards offered. Award offers will be accepted or declined on the student portal (MyCentral). The offer letter must also be reviewed and signed on the student portal (MyCentral) each academic year. This helps to ensure all applicable funds will be ready for disbursement by the disbursement dates published each academic year.

Financial Aid Disbursement

For the fall and spring semesters, all student financial aid consisting of scholarships, Non-Federal funds, Federal Grants, Federal Direct Loans, and State Loan programs will be disbursed approximately one month into the semester. Federal student aid awarded for the summer session is disbursed in full in the 3rd week for attendance. If a student has a late start course, funds are not disbursed until the first day of class. Students receiving Direct Student Loans will not have funds released until they are enrolled in six credit hours. Federal Work-Study monies are earned from working and therefore disbursed during the award period on the last working day of each month.

Charges incurred by students for tuition, fees, on-campus room and board, books, and emergency student loans are deducted from their financial aid awards prior to the release of excess funds to the students.

Financial Aid Standards of Progress

All Central Wyoming College students who receive financial aid must satisfy the following standards of progress to remain eligible for financial assistance.

Standards of Satisfactory Academic Progress

Title IV Federal regulations require an institution to establish a Satisfactory Academic Progress (SAP) policy for all students receiving federal and state funding, such as Federal Pell Grant, SEOG, TRIO, Federal Work Study, TEACH Grants, Direct Subsidized & Direct Unsubsidized Loans, Parent PLUS Loan and Veterans benefits. Students must maintain satisfactory academic progress both prior to and while receiving federal student aid (this includes dual/concurrent credits). Review of SAP will take place at the end of each payment period for all enrolled degree-seeking students who receive financial aid. (The institution abides by the SAP process for all degree-seeking students, regardless of whether the student receives Title IV or not.) All repeat coursework is included in attempted and completed credits as outlined below. All coursework, including coursework for which a college has offered academic amnesty, must be included in the review process.

Satisfactory Academic Progress Requirements:

1) ***Grade Point Average (GPA):*** Students must maintain a minimum cumulative GPA of 2.0. Student grades of A, B, C, D, and F are included in the GPA calculation. Grades of I (incomplete), Z (audit), W (withdrawal), or WI (withdrawal by instructor), X (incomplete), U (unsatisfactory), and S (satisfactory) are not counted in the GPA.

2) ***Completion Rate:*** Students are expected to complete two-thirds (66.67%) of all attempted credits. Student grades of A, B, C, D, F, U, and S, are counted in attempted credits. Student grades of A, B, C, D, and S are counted in completed credits. Grades of F, U, and W are counted in attempted credits but 0 credits are completed. A grade of Z (audit) is not counted in attempted or completed credits. If a student has transfer equivalency (TE) credits, all TE credits will be counted in both attempted and completed credits.

3) ***Incomplete Grades:*** Once grades of I (Incomplete) are completed and converted into grades of A, B, C, D, or F, they will be included in the next scheduled SAP evaluation.

Cumulative credit hours completed	Cumulative credit hours attempted	Calculation of 66.67%
24	35	24/35 = 68.5%
14	20	14/20 = 70%
8	12	8/12 = 66.67%
6	9	6/9 = 66.67%
4	6	4/6 = 66.67%

4) ***Maximum Time Frame:*** Students must be able to complete their program of study within 150% of the published program length. For example, if a student's published program length is 60 credits, then 60 x 150% = 90 total credits (this includes TE credits that apply to the student's program). All CWC credits are included whether or not the student received aid when the credit hours were attempted/completed. A student is ineligible for Federal Aid when it becomes 'mathematically impossible' to complete their program within 150% of their published program length. This may affect students who have changed their program of study or are pursuing more than one program. Students are highly encouraged to not change their program more than three times while at CWC due to the negative impacts this can have on their federal financial aid eligibility. Students are notified via email to their Central Wyoming College email address for any SAP status other than satisfactory. They may also review their SAP status on their MyCentral portal at any time.

- **Warning Status:** If a student fails to meet one but not both SAP requirements of a (cumulative 2.0 GPA and 66.67% completion rate/pace of progression) AND the student can successfully make progress toward reaching satisfactory standing by the end of the next term, then the student is placed on warning status. The student is able to receive all eligible forms of financial aid while on a warning status. If the student does not rehabilitate back into satisfactory standing the student will be placed in an unsatisfactory SAP status. The student is ineligible to receive all federal financial aid funding, and Veterans benefits at that time. The student may appeal/petition if there were documentable mitigating circumstances that contributed to the student's inability to make satisfactory progress while in the warning status.
- **Unsatisfactory Status**: If a student does not meet GPA and pace of progression (or also referred to as completion rate), they are placed in an unsatisfactory SAP status. Students are no longer eligible to receive federal aid or Veterans benefits. The student may appeal/petition if there were documentable mitigating circumstances that contributed to the student's inability to make satisfactory progress while in the warning status. Students are notified via email to their Central Wyoming College email address for any SAP status other than satisfactory. They may also review their SAP status on their MyCentral portal at any time.
- **Appeal/Petition to Regain Eligibility:** If a student fails to meet SAP (unsatisfactory or maximum time frame) and they have extenuating circumstances 'beyond the student's control', and are able to provide documentation, they may submit a written appeal/petition to regain eligibility. The appeal/petition along with supporting documentation must be submitted to Rustler Central according to the deadline on the appeal/petition form for consideration.
- **Changes in Degrees/Programs:** Changing degrees or programs does not restart the 150% maximum time frame. The SAP calculation will be based on the largest active program when determining their Satisfactory Academic Progress at the end of each term. Students are highly encouraged to not change their program more than three times while at CWC due to the negative impacts this can have on their federal financial aid eligibility.

- **Appeals/Petitions:** If a student fails to meet SAP (unsatisfactory or maximum time frame), Students may appeal/petition to the Financial Aid office. A student may only petition/appeal if the student experienced 'Extenuating Circumstances' that prevented the student from meeting standards. Common 'Extenuating Circumstances' include illness to the student, death in the family, or other significant extenuating circumstances. Appeal/Petition forms can be obtained from the Financial Aid office and are due no later than two weeks prior to the start of the semester for which the student is appealing/petitioning to receive continued Federal Aid. **Just because a student submits a petition/appeal does not guarantee the petition will be approved to reinstate/extend financial aid.**

Appeals must contain the following:

1. An explanation of why they failed to meet the required SAP standards.
2. What has changed in the student's situation, and what support systems or measures have or will be implemented to allow them to meet the SAP requirements at the next SAP evaluation.
3. Supporting documentation of the extenuating circumstance(s).

Appeals/Petitions received by the deadline will be reviewed by the Director of Financial Aid, as well as the Vice President of Student Affairs, and a determination will be made. This determination is final and cannot be re-appealed/petitioned. Students who received denied appeals/petitions will be unable to receive Federal funding at CWC until (and unless) they are able to bring their GPA and/or completion rate back to satisfactory standards. This means the student would need to pay for all expenses incurred at CWC either out-of-pocket or through other means than Federal Financial Aid after receipt of a denied appeal/petition. Separate from financial aid, the student may fall under the Academic Probation policy at this time as well and should discuss with their success coach if they are able to re-enroll the following semester (see Academic Probation policy)

- **Approved Appeals/Petitions:** Students who received Approved Appeals/Petitions will be notified via phone and email by the Financial Aid office. Students will be placed on either probation or a Student Education Plan (SEP). The student is placed on probation when they are able to regain satisfactory status in one term. The student is eligible to receive funding for that term. If a student is not able to regain satisfactory standing in one term, they are placed on a Student Education Plan (SEP). If a student meets the requirements set forth, they may remain on the SEP until such time as they are back in satisfactory SAP status or have completed the program(s) as outlined, whichever occurs first. The notification will provide full guidance, next steps and expectations, as well as requirements that the student must meet while on the SEP. Failure to maintain the agreement established in the Student Education Plan will result in the suspension of Federal funding for all subsequent semesters. This suspension is final and may not be re-petitioned/appealed.

Veteran's Financial Aid Standards of Progress

All Central Wyoming College students who receive VA education benefits must satisfy the following standards of progress to remain eligible for financial assistance.

Standards of Satisfactory Progress

Federal regulations require an institution to establish Standards of Satisfactory Progress for all students receiving federal veteran's education benefits. Applicants must maintain satisfactory academic progress both prior to and during the semester(s) aid is received. Standards of satisfactory progress for VA are as follows:

1) Maintain a minimum 2.0 cumulative grade point average, which will keep the student in Good Standing (refer to Academic Standing).

2) Completed courses with a grade of "D" or better will be counted to meet the minimum requirements, including required pre-college courses. Credits with the following grades are not counted toward the minimum requirements: F (Failure), Z (Audit), X (Incomplete), U (Unsatisfactory), T (Temporary), W (Withdrawal), and WI (Withdrawal by Instructor).

3) If a student does not maintain a cumulative 2.0 grade point average, they will be placed on Academic Probation. If a student remains on Academic Probation for more than two semesters, their Veteran's benefits will be reported for Unsatisfactory Progress and will be reported to the VA as a termination. If a student is reported for Unsatisfactory Progress and feels there are extenuating circumstances, they may petition for dismissal. A written petition may be submitted to the Veteran's SCO in the Financial Aid Office no later than two weeks prior to the start of the term. If the petition is approved, termination status will not be reported to the VA (or recertification will be made), and VA benefits will continue if the student is eligible.

Return of Title IV Funds

Students who receive federal Title IV aid assistance and who cease attending classes and do not officially notify the institution (unofficially withdraw) or officially withdraw from classes at CWC will be subject to Return of Title IV. Students in either scenario will have a Return to Title IV calculation performed on their account per federal regulations 34 CFR 668.22. This calculation determines the portions of earned and unearned aid based on the period of attendance. Based on this calculation, the student may be required to repay a portion or all of the federal aid they have received. Students earn a percentage of aid each day of the period enrolled, beginning on the first day of the period. When a student withdraws the date of that withdrawal or last date of attendance, whichever is more accurate, is used to then determine the number of days attended. The number of days attended is then divided by the total number of days in that period. This calculation results in the percentage of aid earned. If the day the student ceases to attend classes or officially withdraws occurs after the student has completed at least 60 percent of the period of enrollment, the student is entitled to retain 100 percent of their grant or loan assistance awarded for the period of enrollment.

Steps to Calculate Return of Title IV Funds:

1. Determine the percentage of the enrollment period the student completed.
2. Apply the same percentage to the total awarded Title IV aid = "earned aid"
3. Subtract "earned aid" from awarded aid = "unearned aid"
4. Distribute responsibility for returning "unearned aid" between CWC and the student. The college is responsible for returning the portion of "unearned aid" equal to the total institutional charges incurred for the period of enrollment multiplied by the percentage of "unearned aid" awarded for the enrollment period. The student is responsible for returning the total "unearned aid" minus the amount the school is responsible for returning.

Returning Unearned Funds: If it is determined a student has unearned Title IV aid that was disbursed, the College will return the unearned portion of funds, up to the net amount disbursed from each source, back to the proper Title IV programs.

Title IV aid is returned in the following order:

• Direct Unsubsidized Loans
• Direct Subsidized Loans
• Direct Plus Loans (PLUS)
• TEACH Grants
• Federal Pell Grants
• Federal Supplemental Educational Opportunity Grant (SEOG)

Federal Work Study funds are NOT included in the calculation.

Official Withdrawal: Official withdrawals result when a student formally contacts their student success coach to make a total withdrawal from Central Wyoming College.

The date of determination is based on one of the following:

- The date the student begins the withdrawal process OR officially notifies the institution of intent to withdraw
- Date on student-initiated withdrawal email received by the financial aid office from the Student records office.

Unofficial Withdrawal: Unofficial withdrawals result when a student does not go through the official withdrawal process but, rather, ceases attendance without providing notification to their success coach. Central Wyoming College does not require attendance to be taken. The date of withdrawal is determined by the date provided of the last Academic Related Activity.

Under some circumstances, attendance may be taken as required by:

• An outside entity (i.e., accreditor, state) for a particular student or cohort of students; or • Central Wyoming College or an outside entity has a requirement that can only be met by taking attendance or a comparable process to demonstrate attendance in courses of that program or portion of that program.

The unofficial withdrawal date is determined within **30 days** after the end of each semester.

Academic Related Activities include physically attending a course where the opportunity for direct interaction between the instructor and student, such as:

• Submitting an academic assignment,

• Taking an exam

• Attending a study group assigned by the College,

• Participating in an online discussion about academic matters, and

• Contact initiated by the student with a faculty member regarding the subject matter being studied in the course.

Activities not considered Academically Related:

• Living in College housing,

• Participating in the College's meal plan,

• Participating in academic counseling or advisement,

• Logging into an online course without active participation.

It is also not sufficient for a student enrolled in a distance education course(s), to only login into the course(s) without active participation. The College must demonstrate that a student has participated in an academic-related activity in order to be considered in attendance.

Withdrawal Dates when students are enrolled in Modules or Block Courses: If a student is enrolled in at least one module course then they are considered to be a module student. Certain conditions apply when determining a date of withdrawal for a student enrolled in modules or block courses.

1. After beginning attendance in the payment period or period of enrollment, did the student cease attendance or fail to begin attendance in a course they were scheduled to attend? If the answer is no, then the student is not considered to have withdrawn. If the answer is yes, then proceed to the next question.
2. If the student ceased attendance or failed to begin attendance in a course they were scheduled to attend, was the student still attending any other courses? If the answer is yes, then the student has not withdrawn; however, other regulatory recalculation provisions may still apply. If the answer is no, continue to the next question.
3. Did the student submit confirmation that they would attend a module course beginning later in the period? (Attendance in this later course may be no later than 45 calendar days after the end of the module the student ceased attendance.) If the answer is yes, then the student has not withdrawn unless the student does not return and begin attendance in the confirmed module course. If the student did not submit confirmation of future attendance, it is a withdrawal and a Return to Title IV calculation must be performed and all Return to Title IV requirements apply.

Written confirmation is required to be submitted to the office of Financial Aid in Rustler Central for any student who ceases attendance in a module course but plans to return to attend a future module course within the payment period or period of enrollment. Students may also reaffirm their intent to attend a future course by registering for a future course at the time of their withdrawal. If a student confirms future enrollment but does not return for the future module course, a Return to Title IV calculation must be completed.

Withdrawing prior to completing 60% of the term: Title IV aid is earned on a per-day basis during the period of enrollment. The College must determine through a Return to Title IV calculation that a student has earned 60% or more in the payment period or period of enrollment. If a student has earned up to the 60% point in the payment period or period of enrollment, the student is considered to have earned 100% of the Title IV funds received. All Title IV aid is subject to a return of funds up to the 60% point. After the 60% point has been reached, all aid is considered "earned", and no funds are required to be returned. The College must determine whether a student who has earned 60% or higher is eligible for a post-withdrawal disbursement.

Post-Withdrawal Disbursement: The amount of a post-withdrawal disbursement is the difference between the amount of Title IV funds already disbursed and the amount of aid earned. Central Wyoming College may not make a post-withdrawal disbursement of any of the following Title IV funds:

• Second or subsequent Direct Loan disbursements to any student who did not graduate or successfully complete the loan period.

• Direct Loan disbursement to a student who is considered a first-time, first-year undergraduate who withdraws prior to completing the first 30 days of their program.

• Direct Loan disbursement to a borrower who has not completed Entrance Counseling and signed the loan's Master Promissory Note.

• Disbursements of any Title IV funds to students for whom Central Wyoming College did not receive a valid Institutional Student Information Record (ISIR) prior to the student withdrawing or by the annual deadline published by the U.S. Department of Education in the Federal register.

• Federal Pell Grant, FSEOG, or Direct Loan disbursement for a subsequent payment period to a student who withdraws from a non-term credit hour program prior to completing the previous payment period for which the student had been paid. Disbursement will be made up to **30 days** from the date of determination of withdrawal.

Post-withdrawal notification:

• The College is permitted to credit a student's account with the post-withdrawal disbursement of Title IV grant funds without the student's permission.
• If the post-withdrawal disbursement is produced from a Direct Student Loan, the College is required to notify a student or parent of a Direct Parent Plus Loan before making any post-withdrawal disbursement of loan funds.
• Central Wyoming College will notify the student by email or letter sent through the US postal service to request confirmation that the student or parent for Plus Loans wants to receive the post-withdrawal payment of loan funds.
• Notification will be sent within 30 days of the withdrawal date, and the student/parent will be given 14 days to respond.
• A written response from the student/parent will be required.
• If no response is received by the deadline established, Central Wyoming College is not required to make the post-withdrawal disbursement, and funds will be returned to the appropriate Title IV programs.
• The College is permitted to choose to make a post-withdrawal disbursement when an acceptance is received after the College's deadline. If the College chooses not to make the post-withdrawal disbursement when the acceptance was received after the deadline, the College must notify the student/parent in writing, that the disbursement will not be made and the reason why.
• If funds still remain after being applied to the student account, those funds will be disbursed as a direct disbursement to the student. This disbursement will be made as soon after the credit balance is determined but, no later than 14 days after the calculation of the Return to Title IV has been processed.

All loan funds accepted for post-withdrawal disbursement are funds that the student or parent, in the case of a parent Plus loan, will be responsible for paying back when entering repayment

Deadlines:

1. Within 30 days from the date the College determines the student has withdrawn, Central Wyoming College will offer a post-withdrawal disbursement, if applicable.
2. Within 45 days from the date the College determines a student has withdrawn, Central Wyoming College will return all unearned funds to the proper program(s). The student will be required to pay the funds to the College.
3. Students will be given 30 days from the date of notification to make payment in full or contact the Business office to discuss payment options and set up a plan for repayment. Failure to do so may result in the student becoming ineligible for future federal student aid.

4. Any unpaid balance over $100 on the student account will result in a hold being placed on the student account prohibiting future enrollment and is subject to the college's collection process.

Notification of Return of Title IV: The student will be sent a letter addressed to their current mailing address on file once the R2T4 calculation has been completed. The letter will indicate the following: percentage of aid earned, amount of aid unearned and to be returned, the current account balance, who to contact to set up an option for repayment, and the ramifications for unpaid balances.

Overpayment Resolution for Overpayments Occurring Prior to Withdrawal:

• For an overpayment made by the College that occurred prior to the student withdrawal, the College must repay the overpayment prior to conducting the R2T4 calculation. The overpayment is not to be included in the calculation.

• For a student liable overpayment that was determined to have occurred prior to the student withdrawing, the overpayment is not to be included in the R2T4 calculation.

o If the student withdraws after the 60% point, the College should attempt to collect the overpayment from the student; if not successful, then the overpayment needs to be reported to the National Student Loan Data System (NSLDS) and referred to the U.S. Department of Education Default Resolution Group.

o If the student withdraws prior to the 60% point, the College is permitted to reduce the post-withdrawal disbursement by the overpayment or add the overpayment to the overpayment amount determined by the R2T4 calculation, whichever is applicable.

Special Circumstances: The College will use the date the College was notified that the student could no longer attend (i.e., hospitalization, death, incarceration, etc.) when a student is unable to complete the process of an official withdrawal due to extenuating circumstances.

Veterans' Aid

Eligible programs at CWC allowing veterans' and eligible dependents to use education benefits administered by the Department of Veterans Affairs are approved by the Wyoming State Approving Agency.

Students who have been discharged from the armed forces after September 1, 1968, may be eligible to receive federal educational aid under the provisions of Public Law 89-358 or 815. Applications may be made through the Veterans Administration Center (Cheyenne, WY 82001) or through the Financial Aid Office at CWC.

Children of deceased veterans or veterans rated 100 percent disabled due to military service in World War II, Korean, or Vietnam conflicts may qualify for federal educational aid under provisions of Public Law 634. Application should be made through the Veterans Administration Center (Cheyenne, WY 82001) or through the Financial Aid Office at CWC.

CWC complies with PL 115-407, providing protections for covered individuals to attend while VA payments are pending.

Military Tuition Assistance

If you need assistance paying for college, the Military Tuition Assistance (TA) Program may help lighten your financial load. If you qualify, your service branch pays tuition directly to Central Wyoming College, and can be used for programs either online or on campus.

Members of the military who are eligible to receive federal tuition assistance (TA) must apply online. Authorizations can be emailed to tplumb@cwc.edu. For help getting started, contact Tasha Plumb at tplumb@cwc.edu or 307-855-2017.

Central Wyoming College follows 38 U.S. Code 3679(e) and will not impose any penalty on a Chapter 31 or Chapter 33 recipient, including: 1) the assessment of late fees; 2) the denial of access to classes; 3) libraries or other institutional facilities and/or 4) require a recipient to borrow additional funds to cover the individual's inability to meet his or her financial obligations to Central Wyoming College due to the delayed disbursement of a payment by the U.S. Department of Veterans Affairs. This requirement is limited to the portion of funds paid by the VA. This protection period ends when VA makes payment or 90 days after the date the school certifies tuition and fees, whichever is earlier. The covered individual must contact the Business Office to request an exception to the College's payment policy.

Vocational Rehabilitation

The State Department of Vocational Rehabilitation and the Department of Health and Social Services offers aid to students who are handicapped. Services include vocational counseling, payment of tuition and fees, and a provision for textbooks. Contact the nearest office of the Department of Vocational Rehabilitation.

Additional Sources of Financial Assistance

Students may also qualify for funding from one or more of the following sources: Workforce Innovation and Opportunity (WIOA) or Bureau of Indian Affairs (BIA). Contact the local Employment Resources Center for WIOA benefits.

Scholarships

Central Wyoming College and private donors offer a variety of scholarships. Awards are based on scholastic achievements, activity-oriented abilities, unmet financial need, and other factors. The scholarship program is continually revised to better meet student needs and interests.

The most current listing of scholarships can be viewed on the CWC website, www.cwc.edu. Unless otherwise indicated, applications for scholarships should be made to the Central Wyoming College Financial Aid Office by the Scholarship Priority Deadline of March 1. Initial scholarship awards will be made following that date. Students are encouraged to apply for scholarships as early as possible.

All Central Wyoming College students who are recipients of scholarships must meet the standards of progress requirements (SAP) stipulated in the scholarship section of the CWC website, www.cwc.edu. Standards of progress requirements vary from scholarship to scholarship, and individual recipients should familiarize themselves with the standards applied to them. It is the student's responsibility to ensure they are meeting all the requirements of maintaining the scholarship.

Wyoming Works Grant

The primary purpose of Wyoming Works is to provide programs and resources for adult students to learn a skill and secure employment. The program makes available individual grants for students enrolling in approved programs at a Wyoming community college. It also provides a mechanism for colleges to apply for resources in support of the creation of appropriate programs. The programs that qualify under this legislation are those that meet labor and economic development needs and may be for credit or non-credit.

We do not know how long we will have funding to continue this program as it is currently being reviewed and discussed at the legislature.

Eligibility criteria include the following:

- The student must make an application for the grant at the time of admission and/or in any event prior to the commencement of the applicable credential program at the college.
- The student must be enrolled in a Commission-approved credential program eligible for Wyoming Works funding prior to the commencement of the program.
- The student must file and fully complete a FAFSA applicable to each semester in which the approved program spans, including compliance with all Financial Aid Office directives to provide data, documents, and information necessary to complete any data authenticity review necessary to generate a valid EFC. Any unresolved data authenticity review necessary to generate a valid EFC shall render the student ineligible for student grant receipt for all applicable payment periods spanned by the FAFSA.
- The student must not be currently receiving (or expect to receive in any payment period within the length of the approved program) a scholarship under the Hathaway scholarship program established in W.S. 21-16-1301 through 21-16-1311.
- If the student is transferring from an approved program from one Wyoming community college to another approved program at a different Wyoming community college, the student must have requested transference of academic transcript and grant usage prior to the commencement of the approved program at the receiving college.
- The student must have earned a high school/home school equivalency diploma or state equivalency if admittance into an approved program requires it, and the college provides the student assistance in achieving the diploma or equivalency certificate.
- The student must demonstrate Wyoming residency as determined by the community college at which the student is enrolled prior to the commencement of the program.
- The student must be a United States citizen or a permanent resident alien who meets the definition of an eligible non-citizen under federal Title IV requirements or requirements of a subsequent similar federal enactment.
- The student must be registered for selective service if required.
- The student must not be in default on any federal Title IV education loan. Nothing in this paragraph prohibits a student who is otherwise eligible for a grant under this article and has fully repaid a defaulted loan or is no longer in default from receiving a grant for future academic terms.

- The student must not owe a refund under a federal Title IV student financial aid program or a subsequent enacted similar federal student financial aid program or a student financial aid program administered through the state. Nothing in this paragraph prohibits a student who is otherwise eligible for a grant under this article and has fully paid the refund owed from receiving a grant for future academic terms.
- To maintain continuous eligibility for a grant in an approved program more than one semester in length, a student must:
  - Have maintained continuous enrollment in an approved program;
  - Have not exceeded the maximum grant amount allowable for the approved program in which the student is enrolled in any one (1) academic year;
  - Have not exceeded the grant receipt for more than six (6) academic terms. A student's eligibility for a grant permanently terminates once the student has received three (3) years of grant disbursement as calculated by the financial aid office. Refer to the Financial Aid Office for information.

Award Calculation and Maximum Annual Grant Eligibility:

Award Levels

Wyoming Works Standard Grant maximum eligibility of $1,680 per academic year ($840/term) *

Wyoming Works Critical Grant maximum eligibility of $3,360 per academic year ($1,680/term) **

Awards may vary based on the length of the program and enrollment level.

Proration may occur under consortium agreements.

Please see the Financial Aid office for more information.

Student Services

Admissions Office

The Admissions Office is located in Main Hall at Rustler Center. The Admissions Office staff handles all admissions applications and inquiries for admission to Central Wyoming College and communications with prospective students.

Career Services

The Central Wyoming College Career Services office supports students with career development and major exploration, employment skills and services, and work experience opportunities. Our mission is to provide high-quality student services, providing support and guidance to assist students with major selections, career selections, employment skills, and employment assistance. Our office can guide students through career assessments (Career Coach & SkillsMatch) as well as assist students with resumes, cover letters, and interviewing techniques. We can provide insight about potential careers, the necessary training and education requirements for careers, potential career earnings, and future employment outlook for careers. Work experience opportunities could include part-time student employment, internships, job shadows, or mentorships.

Students can also view employment listings on the Career Services Job Board. Employment opportunities and additional career resources can also be found on the "Career Resources" webpage from the main CWC Career Services webpage: Career Services webpage

Current students interested in on-campus employment should complete the Student Application located in the "Explore Careers" link on the CWC Human Resources webpage: CWC Human Resources

The CWC Career Services Offices are located on the Riverton campus in the Health and Sciences Building (east end), first floor. Videoconference appointments are available.

College and Career Readiness Department

Change your life trajectory at CWC!

CWC's College and Career Readiness Department is all about employability. If you have reached a point in life where the need to complete your Alternative High School Diploma or improve your English Language Skills, is important to achieving your goals, we are here to support you.

We are one of 10, State of Wyoming, approved programs to earn your HiSET diploma. As an approved program, you will gain a whole lot more than just instruction in the basics of Reading, Writing and Math. While you'll spend plenty of time working on those skills you will also explore career options and develop a Career Pathway Plan including things like a VR or real-life job shadowing experience. You will complete a digital literacy program adding to your college and career readiness. Students also complete a financial literacy program, resumes and learn to write winning letters of application. Our program will also introduce you to programs and agencies that can help you receive training and assistance as you work to reach your career goal. Classes start 4 times per academic year, enrollment ends for each course approximately one week prior to the start date. Please be aware that the enrollment/admission process requires completion of a series of exams. These exams take a minimum of two days to complete, 3 days is recommended. Therefore, you will not be able to wait until the last day of registration to begin the process. Class space is limited. Your enrollment will require completion of an Introductory HiSET/Career Services course that will take place the first week of class. Please check our webpage to access the online application form or contact us to find out the next start date and enrollment deadlines.

Our English as a Second Language (ESL) program is offered in a hybrid format with live instruction via Zoom or online format allowing you to participate from, home, work, your car or where ever you may be come class time. As with the HiSET program, the focus in on employability. Our students have found that improving their English language fluency can lead to job promotions, the ability to engage in educational opportunities like earning a HiSET or enrolling in career training programs. Along with improving your overall English language skills classes will provide insight into digital and financial literacy and offer avenues to advanced career training opportunities. Classes are offered Fall and Spring Semesters. Registration can begin 90 days before the next semester and testing is required for placement into class. Please check our webpage for access to the online application form and enrollment deadlines.

All programs are free, supported through the generosity of CWC and grant funding. We are unable to provide enrollment to persons with F1 or J1 Visas. Students ages 16-17 are required to have an age waiver form completed.

Questions – Please check our webpages, call or email:
Christy Pyles
Program Director
307-855-2189
cpyles@cwc.edu

Disability Assistance

CWC provides a variety of services for students with disabilities. The campus is physically accessible and has special parking near building entrances for student convenience. While diagnostic testing is not provided at the college, a Disability Services Coordinator works to provide reasonable accommodations, advocacy, and follow-up services to students with learning and physical disabilities. For a copy of the Disability Services Student Handbook or to request forms or additional information, please contact the Disability Services Office at 307-855-2012.

Requests for special accommodations for classes must be submitted in writing along with supporting documents to the Disability Services Office as early as possible prior to the beginning of each semester. The CWC Disability Services Coordinator must verify the documentation and approve the request before any reasonable accommodations based on special needs can be made.

Food Service

Rusty's Corner, CWC's Food Court, is located in the Student Center on the CWC campus. Rusty's Corner offers a broad assortment of meals and snacks to serve the needs of students, staff, groups and the local community. Catering is also available for community members, meetings, large events and staff functions. Please contact the food service manager for catering information at 307.855.2153.

Rusty's Corner options include a daily breakfast, lunch and dinner special, grill menu, Mexican station, pizza, sandwiches, salad bar, fruit, snacks, ice cream and beverages. Rusty's Corner is open 7:30 a.m. to 7:30 p.m. Monday through Friday and 11 a.m. – 2 p.m. on Saturday and Sunday. Rusty's Corner is closed or will have limited operations during all college holidays and vacations. The manager can provide special menu options for those with dietary restrictions.

Students residing in the CWC Residence Hall or Mote Hall are required to participate in the CWC declining balance Meal Plan. Students residing in college apartments are required to purchase a declining balance Partial Meal Plan. These meal plan funds may be carried over from the fall semester to the spring semester only and are non-refundable after the spring semester. It is the responsibility of the student to manage the use of these funds.

CWC recognizes that student's needs may not be satisfied by the meal plan, and therefore provides options for additional funds to be added to the student's meal plan at any time. Additionally, a student or staff member may also put money on their ID card, known as Rusty Bucks, which can be used for purchases in Rusty's Corner as well as The Grind, CWC's coffee bar, and it offers 10 percent in free food purchases. The meal plan is administered through the student's CWC ID card. Rusty's Corner also accepts cash, local checks, and credit/debit cards.

Students who have questions or comments concerning Rusty's Corner are encouraged to visit with the food service manager.

CWC IT HelpDesk

CWC IT HelpDesk

The IT Help Desk is located in Rustler Central (MH101), and is staffed by trained students and IT personnel. The Help Desk prints CWC student and staff ID cards and can assist students in person, via email and by phone with common technology problems, including setting up Multifactor Authentication (MFA) and logging into their MyCentral (my.cwc.edu) account. The IT HelpDesk is open M-F 8am - 5pm including the lunch hour. Please contact the HelpDesk via email at helpdesk@cwc.edu or by phone at 307–855-2198. See also: https://www.cwc.edu/academics/helpdesk/

Housing

CWC's Housing and Residential Life Programs (HRLP) exist to extend and amplify the educational impact of the college through living environments and residential communities that foster learning and student development in the broadest sense. In our facilities and programs, CWC provides spaces and opportunities that invite exploration, cultivate student potential, and equip residents for productive, satisfying, and well-rounded lives.

On-campus housing facilities consist of dormitories and apartments, which are under the direction of the Director of Residential and Student Life. CWC places a high priority on safety. In the evenings and on weekends, Campus Safety Officers and Resident Assistants remain on duty, providing coverage of each building. All Housing facilities also include fire-suppression sprinkler systems.

Mote Hall

Mote Hall, the newest student residential complex, is a fully ADA-accessible, suite-style, 48-bed co-ed dormitory that is divided into four areas. Each area houses 12 students and offers substantial privacy, as there is one student per bedroom. Every three residents share a full-bathroom, but each bedroom has its own sink. A furnished central day room provides a place for students in each area to watch television, talk, relax and study.

For the safety and convenience of residents, Mote Hall is equipped with keyless entry to the building, laundry facilities, and a computer lab. Each bedroom is furnished with a bed, desk, chair and dresser. In-room access to the Local Area Network (Wi-Fi) is available to students. Internet and all utilities are included in the cost of rent.

Additionally, Mote Hall offers a large commons area, which serves as a hub for housing activities and a place for residents to relax and watch television or play Ping Pong, Foosball, or Pool.

As there are no kitchen facilities in Mote Hall, residents are required to participate in the declining balance Meal Plan A or Meal Plan B, which gives students the flexibility to budget their semester food purchases in the Food Court.

Resident Assistants (RAs) assist the Director of Residential and Student Life in matters of administration, discipline, personal help, activities, and supervision in the complex.

Residence Hall

Residence Hall, a 48-bed co-ed complex, designed with a keyless entry system into the building and divided into four areas, is the most inexpensive way for single students to live on campus. Each area houses twelve students, with two students per bedroom. There is a large central bathroom for every 12 students.

A furnished central lounge provides a place for students in each area to watch television, talk, relax and study. Laundry facilities are available within the complex. Each bedroom is furnished with two beds, an end table, and two built-in closets/dressers/desks. Each room also offers access (Wi-Fi) to the Local Area Network. Internet and all utilities are included in the cost of rent.

Residence Hall offers kitchenette facilities, but residents are required to participate in the declining balance Meal Plan A or Meal Plan B, which gives students the flexibility to budget their semester food purchases in the Food Court.

Resident Assistants (RAs) assist the Director of Residential and Student Life in matters of administration, discipline, personal help, activities, and supervision in the complex.

East and West Apartments

East and West Apartments are open to single students as well as parents and married couples (with or without children) as space permits. One-bedroom apartments hold a maximum of two single students; two-bedroom apartments hold a maximum of four single students, each responsible for their own rental payments. ADA-accessible apartments are available as space permits.

All apartments are fully furnished and include living, dining and kitchen areas. Each apartment complex also offers central laundry facilities. High speed internet connection (Wi-Fi) and utilities are fully included in the rent.

Apartment residents must participate in a declining balance Meal Plan A, Meal Plan B, or Meal Plan C, giving those students the convenience of budgeting occasional meals and snacks from the Food Court.

Resident Assistants (RAs) assist the Director of Residential and Student Life in matters of administration, discipline, personal help, activities, and supervision in the complex.

Alpine Science Institute (Lander)

Housing at the Alpine Science Institute (ASI) is open for students in the Outdoor Education, Outdoor Recreation and Tourism, Expedition Science, Geospatial Science (GIST) and Regenerative Food Systems programs. Students in other programs may stay at ASI as space permits, and on case-by-case basis. Located near Lander, a Lodge and cabins provide a place for students to "live where they learn," on a 127-acre campus at the base of the Wind River Mountains. ASI boasts over 8 miles of professional mount bike, hiking and ski trails, a full scale regenerative 1-acre farm, a historic apple orchard, large fire pit, disc golf course, and acres of recreational space.

The ASI offers a unique housing experience. The Lodge, designed with a keyless entry system on all doors, offers a 24-bed residence hall. Each of the 12 rooms includes two beds, two desks, a wardrobe style closet, mini-fridge and dresser. The Lodge commons has lounge furniture, a large screen tv, fireplace, and microwave. There are also 6 stand-alone cabins subject to availability. Each cabin has two beds, two desks and chairs, a closet railing (not enclosed), mini-fridge and a front porch with seating.

All ASI residents share a shower-house, which has bathrooms and showers as well as a free laundry facility. Meal plans are not currently available at ASI. Instead, meals are a hands-on experience, with students cooking their meals in the spacious kitchen located in Fremont Hall, fully stocked with all necessary cookware and utensils. Fremont Hall also offers an additional commons space with a large screen tv, fireplace, comfortable couches, a pool table, and ample space to unwind and socialize.

When applying for ASI housing, please follow the instructions below, but specify your building preference as one of the ASI options. Cabins are typically reserved for 2nd year students and based on availability.

Resident Assistant(s) assist the Lander Outreach Director in matters of administration, discipline, personal help, activities, and supervision at ASI. Please contact the Lander Outreach Director at 307-855-2330 for more information.

How to Apply For Housing

Students who wish to apply for campus housing apply through the CWC website under the 'CWC Life' tab and following it to the 'Live on Campus' option. Before a room can be reserved, a $100
Housing Damage Deposit is required along with the housing application. Freshmen will be assigned to Mote Hall or Residence Hall, but can be reassigned to the apartments if space permits. Damage deposit, Housing Renovation fee and first month's housing/food service charges must be paid in full prior to check in, or a payment plan must be set up through the
business office.

Central Wyoming College does not evaluate off-campus housing facilities and assumes no responsibility for the pricing or suitability of such accommodations.

Library

The Central Wyoming College Library is the academic information commons at the center of the Riverton campus in Main Hall. The CWC Library, located in Main Hall 109, is the main library for the campus of Central Wyoming College, serving our students, instructional faculty, and campus staff, as well as the community of Riverton, Fremont County, and our multiple Outreach Centers in Lander, Wind River, Dubois, and Jackson.

The CWC Library provides physical and online resources, and multiple tools for students' research, learning, and creativity. The Library has collaborative areas for groups to meet and private, quiet areas for study time. There are computers and printing services available for student and public use in addition to space and resources. CWC Librarians provide information literacy sessions, as well as one-on-one research and citation assistance to help improve college performance.

Inside the Library, students will also find the Test Center (see below) and the campus Lost and Found. Students have 24/7 access to thousands of eBooks, newspapers, magazines, journals, films, music, art, maps, and other quality online databases and book catalogs using their CWC student account and the CWC Library website. The Library offers a significant collection of books about Wyoming and Native American history, plus diverse physical resources, including educational models, games, laptops, and more. CWC students may also request items from other libraries around the state and nation with no (or minimal) charge through interlibrary loan. In addition, the Library has popular fiction and non-fiction books and audiobooks for student leisure. The Library is open Monday - Thursday, 8 am-8 pm, Friday 8 am-5 pm and Sunday 12 pm-4 pm. Please visit the Central Wyoming College Library website at https://libguides.cwc.edu/cwc or call 307-855-2141 for our current hours and more information.

Library Testing Center

The CWC Riverton campus Testing Center is located in Main Hall, room MH152A. Eight workstations and a private accommodated test area are available for proctored computerized or paper exams in a quiet, secure environment. Proctored certification tests are offered for CWC programs, make-up exams for students in CWC classes, some accommodated testing for students with disabilities, and a wide variety of public certification exams.

Riverton Test Center hours are Monday – Friday, 8:30 am– 4:30 pm, except on Friday when the center closes at 1 pm. Appointments are required in most circumstances. The Riverton campus Testing Center can be contacted by email at testcenter@cwc.edu or by phone at 307-855-2298, with more information at https://www.cwc.edu/academics/testingcenter.

Placement testing for class registration at CWC is offered at the Riverton, Lander, and Jackson campus sites. All sites also proctor tests for our online students as needed and for local students attending other online colleges as time allows. Contact the Lander and Jackson test centers for appointments and their hours. The contact information for each campus is listed at the bottom of www.cwc.edu.

Personal Counseling

A variety of educational support services are provided to assist students with educational and personal needs.

Personal counseling is provided by Licensed Professional Counselors or Licensed Clinical Social Workers who are sensitive to the many issues affecting college students today. Such issues include but are not limited to, homesickness, relationship difficulties, adjustment problems, family issues, emotional stress, addictions, depression and anxiety. More severe problems requiring long-term treatment will be referred to community resources.

All CWC counseling services are offered free of charge to currently enrolled CWC students.

Problem Resolution

Experience has shown us that the best and quickest way to resolve a problem is to contact the person or office involved. The college recommends if a student has a problem, he/she takes it directly to the faculty member, Academic Dean, or director/manager of the unit involved. If the student does not know with whom to discuss the problem or feels he/she needs additional assistance, the student may contact his or her Success Coach or the Dean of Students. Student complaints may also be submitted through myCentral with the Student Complaint Form. The Success Coach or Dean of Students will assist the student and/or make a referral to the proper person.

If the student does not feel the complaint is being addressed appropriately, he/she may contact the Wyoming State Post-Secondary Review Entity or The Higher Learning Commission, CWC's accrediting body. The WyoSPRE can be reached through the State Department of Education, Hathaway Building, Second Floor, Cheyenne, WY, 82002, or by calling 307.777.7675. The Higher Learning Commission may be contacted at 230 South LaSalle Street, Suite 7-500, Chicago, IL, 60604-1413 or by telephone at 312.263.0456 or 800.621.7440.

Student Disciplinary Code

The Student Disciplinary Code contains detailed information pertaining to the definitions of terms; enforcement and judicial authority; prohibited conduct; charges, investigations, sanctions, and consequences; and interpretation and revision information regarding student discipline procedures at Central Wyoming College. Specific information on the Student Disciplinary Code is provided in Central Wyoming College's Student Handbook. Contact the Vice President for Student Affairs or the Dean of Students for additional information.

Student Financial Aid

The Financial Aid Office is located in Main Hall at Rustler Central. Office personnel are available to assist students with matters relating to scholarships, federal financial aid, Bureau of Indian Affairs, Department of Vocational Rehabilitation, Training Readjustment Act, and Workforce Innovation and Opportunity Act application, certification, and funding.

Student Grievances

Students are encouraged to pursue all administrative/informal channels to resolve grievances. Failure to achieve a mutually acceptable solution to an informal grievance will result in use of the formal process outlined in the current Student Handbook.

Student Records

The Student Records Office is located in Main Hall at Rustler Central. Office personnel handle enrollment, course changes, withdrawals, transcripts, graduation and other services involving maintenance of students' academic records, including address changes, transferring credits from other institutions, student petitions and archival of student records. It is important that students keep the Student Records Office informed of any name or address change and that they become familiar with important policies, withdrawal dates, and degree requirements.

Student Activities/Intramural

Student Senate plans and implements most student activities throughout the year. Some events that are organized include, but are not limited to, weekly movie nights, student trips, Bingo Night, Karaoke Night, and Casino Night. A variety of cultural programs offer students the opportunity to see live performances by college groups and touring professionals. Most of these events are free to students, paid for by their activities fees and coordinated by Student Senate.

Intramural sport offerings vary each year. Some activities include dodge ball, volleyball, basketball, coed volleyball and Frisbee golf. All sports programs and events are created and developed to meet the interests of all students. Students MUST present their Student ID to attend student activities and/or events.

Student Athletics

Central Wyoming College is a member of the National Junior College Athletic Association (NJCAA). The Rustlers compete in Region IX – Wyoming, Montana, Nebraska and Colorado – and currently offer women's volleyball, men's and women's basketball, men's and women's golf, men's and women's cross country, and men's and women's soccer. All students who participate in intercollegiate athletics must be registered for and successfully complete 12 academic or vocational credit hours each semester.

Central Wyoming College offers men's and women's rodeo. Students must have a current National Intercollegiate Rodeo Association (NIRA) card to compete. Students must also enroll in and successfully complete 12 academic or vocational credit hours each semester. Central Wyoming College also offers men's and women's Ranch Horse and men's and women's Livestock Judging.

TRIO-Student Support Services

Supporting your learning and success! https://www.cwc.edu/support/

TRIO-Student Support Services (SSS) is an honorary program for students who are dedicated to their success as a student and offers multiple support services:

- **Academic** advising, including registration, assistance in financial aid and scholarship process and support.
- **Personal** success coaching, advocacy, time management, and goal setting.
- **Special opportunities** such as tutoring, transfer options, equipment lending program, skills development, and additional funds for qualifying students.

You may be eligible for SSS if you are a US Citizen and at least one of these fits you:

- You are a student who has not already earned an associate degree or higher.
- You are a first-generation college student (neither parent had bachelor's degree before you turned 18 years of age).
- You meet federal low-income guidelines.
- You are receiving accommodations from our Disabilities Office.

SSS offices are located in the Student Success Center: Main Hall 123 and are open Monday – Friday from 8 am until 5 pm. Applications are available in MH 123, at Rustler Central, and on the CWC website: TRIO Application Form

Computer Assisted Learning Lab (CAL Lab)

Tutor Services and the CAL Lab, located in MH123 and MH133, are available for CWC students from 8 am – 7 pm Monday through Thursday and from 8 am – 5 p.m. on Friday. Tutor Services and CAL lab hours are limited during the summer semester.

Degrees & Certificates

Bachelor of Applied Science Degrees

Early Childhood Education
Organizational Management & Leadership: Agricultural Leadership Option
Organizational Management & Leadership: Business and Entrepreneurial Leadership Option
Organizational Management & Leadership: Criminal Justice Leadership Option
Organizational Management & Leadership: Outdoor Program Leadership Option
Organizational Management & Leadership: Tribal Leadership Option

Associate of Arts Degrees

Art
Business
Communication
Criminal Justice
Early Childhood Education
Elementary Education
English
Film
Interdisciplinary Studies
Interdisciplinary Studies: Theatre/Film
Music
Native American Indigenous Studies
Outdoor Education and Leadership
Pre-Legal Studies
Psychology
Secondary Education
Social Sciences
Social Work
Theatre

Associate of Science Degrees

Accounting
Agriculture – Animal Science Option
Agriculture – Range Management Option
Agri-Business
Animal Science - Meat Science Option
Business Administration
Computer Science
Engineering
Expedition Science
Equine Science

Health Science
Mathematics
Outdoor Recreation
Science
Software Development
STEM

Associate of Applied Science Degrees

Accounting-Career
Administrative Assistant
Automotive Technology
    General
Business
Computer Technology
Cosmetology
Criminal Justice
Culinary Arts
Early Childhood
Entrepreneurship
Environment, Health, and Safety
    Environmental GIS Technician
Equine Management: Training Option
Farm and Ranch Resource Management
Film
Geospatial Information Science and Technology
Hotel and Restaurant Management
New Media
Photography
Regenerative Food Systems
Social Work Addiction Option
Software Support Specialist
Technical Studies
Technical Studies: Entrepreneurship and ___
Technical Studies: Theatre/Film
Tribal Historic Preservation Officer
Welding

Associate Degree in Nursing

Nursing

Advanced Certificate

Equine Training
Law Enforcement Leadership
Tribal Leadership

Certificate I

Accounting-Bookkeeping
Administrative Assistant
Automotive Technology
    General
Computer Technology
Cosmetology
    Barbering No Chemicals
    Barbering Stylist
    Esthetician
    Hair Technician
Criminal Justice - Law Enforcement Option
Criminal Justice - Corrections Option
Culinary Arts
Entrepreneurship
Environment, Health, and Safety
    Environmental GIS Technician
Equine Management: Teaching Riding Option
Equine Management: Training Option
Farm and Ranch Resource Management
Geospatial Information Science and Technology
Health Science
Hotel and Restaurant Management
Medical Assistant
Outdoor
        Mountainbike Professional
        Trailbuilding Professional

Technical Studies
Tribal Historic Preservation Officer
Welding

Certificate II

Administrative Assistant
Art
    Two Dimensional
    Three Dimensional
Artist
Automotive Technology

- General

Community Food Systems
Computer Technology
Construction Technology
Cosmetology
- Barbering Crossover
- Cosmetology Instructor
- Nail Technician

Criminal Justice
Early Childhood Endorsement
Early Childhood Special Education Endorsement
Electrical Apprenticeship
Entrepreneurship
EHS Expedition Science
Equine Training
Farm and Ranch Management
Farrier Science
Geospatial Information Science and Technology
Hotel and Restaurant
Leadership Studies
Meat Processing
Medical Assistant Apprenticeship
Medical Office Support
Small-Scale Farm Management
Spanish Language Certification
Teaching Riding
Tribal Historic Preservation Officer
Welding

Bachelor of Applied Science

Bachelor of Applied Science: Organizational Management & Leadership

This program offers students multiple pathways to completion of the Bachelor of Applied Science degree at Central Wyoming College.

- Associate Degree Pathway: Students may declare the BAS degree upon admission with or without previous college level credits. This student will earn an associate degree as a part of the bachelor's degree pathway.
- Transfer Pathway: The transfer pathway is for students who have completed a prior degree (AA, AS, AAS or higher) from an accredited school with 60 credits minimum.
- Direct Pathway: This student declares the BAS program initially upon admission to CWC and does not declare a corresponding associate degree.

Students who have completed previous college level credits may have met some general education and lower level division course requirements. In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Associate Degrees

Central Wyoming College offers four different types of degrees and numerous certificates. Students who satisfactorily complete an associate degree program of study are awarded one of the following degrees:

Associate of Arts	**AA**
Associate of Science	**AS**

The Associate of Arts and Associate of Science degrees are designed for students who wish to enter a program of study for a degree that will transfer to a four-year institution. Since baccalaureate programs vary in requirements, students are urged to obtain information regarding requirements of the transfer institution. The transfer institution determines the transferability of courses. These transfer students will receive a degree upon graduation that specifies either Associate of Arts or Associate of Science in their declared program. In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College

Associate of Applied Science	**AAS**

The Associate of Applied Science degree is designed to prepare students for immediate employment in a skilled occupation or to upgrade current employment capabilities. These students usually expect to begin work after completing their degrees. There are, however, students who do transfer to other institutions for further study. The transfer institution determines the transferability of courses. These students will receive a degree upon graduation that specifies Associate of Applied Science in their declared program. In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Associate Degree in Nursing **ADN**

The Associate Degree in Nursing Program is designed to prepare the graduate as an entry level registered nurse in a variety of healthcare settings and to allow a smooth transition for completion of a Bachelor's Degree in Nursing at the University of Wyoming. In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Multiple Degrees

Students may earn multiple degrees as long as they fulfill all of the individual program requirements of each degree.

Advanced Certificate

The Advanced Certificate recognizes the completion of at least 15 credits of 3000 and 4000 level courses in a specialized area of study. Advanced Certificates can be a stepping stone to a bachelor's degree, career advancement in a specific field, or an area of focus for a student looking for continuing education opportunities. The Advanced Certificate is a certificate which does not contain any general education requirements.

A student must earn a minimum grade of C in each of the required courses for the Advanced Certificate. The Advanced Certificate may be found in the Programs of Study section of this catalog.

In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Certificate I

Certificate I recognizes the completion of at least one year (30 semester hours) of courses in a concentrated skill area of study. Certificate I are primarily for those students in occupational areas. Students must complete all courses listed under the program description for that Certificate, which may be found in the Programs of Study section of this catalog. Students should consult with an advisor regarding appropriate Certificate I requirements, which include:

- Three (3) credits of language arts/communication (WR1 or ORAL)
- Three (3) credits of mathematical skills (MATH or APPM)
- One credit of UNST

A student must earn a minimum cumulative 2.0 (C) GPA in all hours taken at CWC and in all credits required for the Certificate I. In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Certificate II

A Certificate II is awarded in various occupational and academic areas. To qualify for the Certificate II the student successfully develops a particular skill/knowledge level in an area of emphasis. The Certificate II is a certificate which does not contain any general education requirements. It may require any number of credits as determined by the skill set. A student must earn a minimum grade of C in each of the required courses for the Certificate II. These Certificate II's are listed in the Programs of Study section of this catalog. In addition to specific program requirements, a minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Application for Graduation

Students who complete the published requirements for one or more certificates and/or degrees are eligible to graduate from Central Wyoming College. In order to graduate, it is highly recommended that students apply for graduation by completing the graduation application online. The application is located in the student's MyCentral account via the Rustler Central (Self-Service) Icon then click into the Graduation Overview. Completion of the graduation application will assure the potential graduate's preferences are honored for the graduate's name as printed on the diploma, confirmed mailing address, academic program, attendance at the commencement ceremony in the spring and publication of their degree.

A completed Degree Audit signed by the appropriate academic dean must be submitted to the Student Records office by the graduation application deadline. A Degree Audit can be obtained by seeing the student's advisor. The graduation application deadline is posted on the Graduation page of the CWC website, in the student handbook and in the course schedule.

Graduate Assessment

All students graduating with any Associate degree from Central Wyoming College (CWC) must complete a required graduate assessment. The data obtained from this requirement is an essential component of the college's assessment plan and is focused on achievement of program and institutional student learning outcomes. Results for an exam associated with the graduate assessment requirement will not affect or determine the final grade for any coursework at CWC

Catalog Governing Graduation

Students at Central Wyoming College are encouraged to use the current catalog for requirements or changes in their programs of study. However, students may fulfill the program requirements of graduation stated in the catalog or addendum which was in effect at the time they first enrolled at Central Wyoming College. Students who have an interruption in their studies of two or more consecutive semesters must fulfill the requirements of the catalog in effect upon their return to Central Wyoming College. Due to the specialization of some degree programs, students may be required to adhere to the current catalog requirements. Individual exceptions to the above policy may be considered by formal petition through the Office of the Vice President for Academic Services. It is the responsibility of students to be aware of changes in requirements. Because some courses are scheduled in alternating years and/or semesters, students must plan ahead in order to meet degree requirements. Students can inform themselves of requirement changes by reviewing the catalogs and addendums which are published annually.

A catalog change will not be required of students who are solely transferring credits back to CWC for the purpose of completing their requirements for graduation and are not continuing their studies at CWC.

Minimum Grade Requirements

A student graduating with a degree or certificate must have a minimum cumulative grade point average of 2.0 (C). A grade of "F" or "U" does not constitute successful completion of a class. A grade of "D' in CWC classes is considered successful completion only for general elective courses. A student graduating with a certificate II must have a minimum grade of C in each of the required courses for the certificate II.

General Education Requirements

The purpose of general education is to help students attain the skills and knowledge appropriate to an educated human being and to assist them in becoming lifelong learners. Some CWC general education requirements address specific skills, such as written communication. Others encompass broad spectrums of information through which learners come to know and understand themselves, others and the world. General education requirements are the foundation of specialized knowledge in a major. The Program of Study section of this catalog, which follows, identifies the general education requirements of each degree offered.

General Education Designators

Many courses listed in the Course Descriptions section of this catalog include a three or four-character alphabetical designator which indicates the general education degree requirement the course satisfies. These designators may be found at the end of the course descriptions. Following are general education requirements followed by their designators:

Writing Level I	**WR1**
Writing Level II	**WR2**
Writing Level III	**WR3**
American and Wyoming Government	**POLS**
Visual, Performing, Expressive Arts	**ARTS**
Humanities	**HUM**
Lab Science	**LSCI**
Mathematics	**MATH**
Oral	**ORAL**
Social/Behavioral Science	**SOC**
University Studies	**UNST**
Applied Mathematics (For Associate of Applied Science degrees only)	**APPM**
Information Technology (For Associate of Applied Science degrees only)	**IT**

A list of courses which fulfill each of these general education requirements is available at the conclusion of the Course Description section of this catalog. Students are encouraged to review their desired program requirements in the Programs of Study section of this catalog for specific course requirements.

General Education Definitions

General Education requirements consist of two types of courses. Courses are designed to assure that each student has attained a minimum level of competency or skill in specific areas, such as English and math; and courses in content areas of study designed to assure that all students acquire a broad general education. Arts, and humanities are examples.

Critical and Creative Thinking, Self-Directed Learning, Communication, Diversity, and Technological/Information Literacy are components of all general education courses.

Writing Level I: (WR1)

Writing Level I courses are designed to improve students' written communications skills.

Student Outcomes

- Write clear, accurate sentences and paragraphs in Standard American English
- Create and support theses which show critical/creative thought

- Make effective use of drafts, computer technology, and instructor comments in the achievement of a final work
- Critically read and analyze the work of fellow students
- Support theses in a coherent and organized fashion with paragraphs that are cohesive and fully developed
- Write effective introductions and conclusions
- Communicate effectively in a variety of rhetorical modes
- Write for a variety of audiences
- Use and correctly document research to support a thesis
- Critically read and analyze published writings
- Write no fewer than 20 pages, comprising no less than three and no more than five essays, one of which shall be a 5 to 10-page research paper

Writing Level II: (WR2)

Writing Level II courses are designed to further improve student's written communication skills while increasing critical thinking skills and analytical abilities through written and oral analysis of texts.

Student Outcomes

- Write clear, accurate sentences and paragraphs in Standard American English
- Create and support theses which show critical/creative thought
- Make effective use of drafts, computer technology, and instructor comments in the achievement of a final work
- Support theses in a coherent and organized fashion with paragraphs that are cohesive and fully developed
- Write effective introductions and conclusions
- Write for a variety of audiences
- Use and correctly document research to support a thesis
- Critically read and analyze published writings
- Write no fewer than 20 pages, comprising no less than three and no more than five essays, one of which shall be a 5 to 10-page research paper

Writing Level III: (WR3) (Bachelor Level Programs)

Writing Level III courses are designed to further improve student's written communication skills. More advanced critical thinking skills are developed through defending critical evaluation of written texts and supporting complex arguments.

Student Outcomes

- Use investigative and analytical thinking skills to examine alternatives, explore complex questions and solve challenging problems in written form
- Synthesize data/information/substantive content (e.g. drawing conclusions, solutions or making decisions) in research papers totaling no fewer than 30 pages

American and Wyoming Government: (POLS 1000)

American and Wyoming Government study provides knowledge and understanding of the fundamental documents, principles, and institutions that shape local and national government. To achieve this understanding, these central ideas will be studied in light of their cultural and historical contexts. Wyoming state statutes require this study and Central Wyoming College endorses its importance for developing a responsible citizenry.

Student Outcomes

- Explain the historical development and cultural contexts of the United States and Wyoming constitutions and political systems
- Identify and analyze the fundamental principles, structures, and processes contained within the U.S. and Wyoming constitutions as ideals in conjunction with their real, historical and contemporary application in the political world
- Explain how the documents, principles, and institutions of U.S. and Wyoming government can adapt to and accommodate societal and historical change
- Define how their understanding of the political institutions by which they are governed is directly related to their roles as active and responsible citizens

Visual, Performing, Expressive: (ARTS)

The images, symbols, gestures and sounds of the arts provide vehicles for expression, stimulation of creativity, and communication beyond traditional language skills. These courses provide the skills and thinking processes necessary for creativity and develop a conceptual basis for making qualitative judgments about art culture. Courses emphasize active participation in the art form.

Student Outcomes

- Demonstrate skills in practice of fine arts such as Visual, Performing, or Literary Art
- Describe the basic elements of the art
- Make aesthetic and intellectual judgments concerning the art
- Develop an appreciation for the art's contribution to culture

Humanities: (HUM)

The Humanities analyze the ways human beings seek to understand themselves. They study questions about individuality, community, knowledge, justice, beauty and ethics. The Humanities explore the perennial problems of human existence. Through these courses students gain the opportunity for self-awareness and self-expression and gain the ability to deal with complex issues, trace cultural traditions, recognize the viewpoints of others and function effectively in multicultural communities.

Student Outcomes

- Discuss the cultural, historical, literary, philosophical, artistic, or religious influences upon the development of civilization
- Describe and critically assess prominent works concerned with human culture and experience, particularly humanity's quest for meaning and value

- By the study of appropriate cultural knowledge and material, analyze and describe the beliefs and values of different cultures

Bachelor Level Student Outcomes (in addition to those above):

- Evaluate the ethical aspects and problems of the human experience through a cultural, artistic, or philosophical lens
- Interpret the ways in which history, communities, and human experiences shape individual ethical perspectives
- Create a model exemplifying reasoned and ethical decision-making with respect for sustainability, justice, and the complex human condition
- Construct a thorough discovery and defense of an ethical conflict with one or more possible solutions and the potential impact of those solutions on others

Laboratory Science: (LSCI)

Science involves observing, formulating, and testing natural science concepts. The scientific process is used to better understand the nature of the universe through the systematic collection, analysis and interpretation of data. The laboratory component will enhance and reinforce the scientific process.

Student Outcomes

- Describe the fundamental principles of physical, biological or earth science
- Apply methods and appropriate technology to the study of science in an inquiry-based learning environment
- Communicate findings, analyses and interpretation both orally and in writing based on scientific and quantitative methods and the differences between these approaches and other methods of inquiry
- Recognize differing approaches to thinking scientifically
- Discuss relevant scientific issues and problems
- Discuss the interdependence of science and technology and their influence on, and contribution to, modern culture

Mathematics: (MATH)

Mathematics, sometimes described as quantitative reasoning, is the organization, analysis and application of measurement—including data representation, number sense, variables, spatial relationships, and chance—to both theoretical and applied problems. Math General Education courses may include numerical, logical, algebraic, geometric, or algorithmic thinking as well as the integration of these modes of analysis with students' verbal, creative, and critical thinking skills.

Student Outcomes

- Apply arithmetic, algebraic, geometric, higher-order thinking, or statistical methods to modeling and solving real-world situations
- Represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically
- Expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments
- Use appropriate technology to enhance mathematical thinking and understanding and solve mathematical problems and judge the reasonableness of the results
- Interpret mathematical models such as formulas, graphs, tables, schematics, and draw inferences from them

Oral: (ORAL)

Oral communication develops the ability to compose, critically analyze, and present information through verbal and nonverbal interactions.

Student Outcomes

- Demonstrate communication skills for a variety of audiences and settings using verbal and nonverbal messages
- Identify basic concepts of communications
- Demonstrate speaking competencies, such as choice and use of topic, supporting materials, organizational pattern, language and delivery
- Develop listening competencies, such as listening with literal and critical comprehension to ideas, perspectives and emotions in messages

Bachelor Level Student Outcomes (in addition to those above):

- Evaluate the interdependence of contexts, attitudes, values and responses of different audiences with the ideas, perspectives and emotions in messages, both verbally and non-verbally
- Defend an oral argument supported by logical reasoning and credible, relevant evidence
- Integrate speaking and listening competencies into an oral presentation supported by logical reasoning and credible, relevant evidence; and includes both verbal and nonverbal messages

Social and Behavioral Science: (SOC)

Social and Behavioral Sciences study the ways humans exist within economic, political, familial, psychological, geographical, historical and social structures. This diverse thematic and systematic study of individuals and groups demonstrates the wide range of disciplines and methodologies used to analyze social problems and structures. Such courses also give considerable attention to the development and justification of conclusions and theories within the social and behavioral science disciplines.

Student Outcomes

- Describe the focus and methodology of at least one of the social or behavioral sciences, and explain its interconnectedness with other disciplines
- Discuss the impact of major institutions on the daily existence and behavior of individuals or collectives
- Analyze how social systems, institutions or behaviors change over time and how they shape the lives of individuals
- Gather information, analyze data and draw conclusions in selected areas of the social or behavioral sciences

Bachelor Level Student Outcomes (in addition to those above):

- Evaluate research in selected areas of social or behavioral sciences to serve as a basis for an individual or collective perspective on human actions, culture, and diversity in the world community
- Evaluate how changes in diverse social systems, institutions, and cultures impact individuals, social interactions and the world's people and problems
- Create a project that embodies the impact of human actions on culture and diversity in the world community, and the impact of culture and diversity in the world community on human actions.

University Studies: (UNST)

University Studies provides the skills and philosophy necessary for success as a student and as a lifelong learner. Students will develop lifelong learning skills by producing, rather than merely receiving, information; evaluating and cultivating learning styles and study strategies; and synthesizing information from a variety of sources. The objectives may be embedded in a discipline-specific entry level class or addressed in a free-standing class.

Students who have a minimum of 12 college-level credits with a minimum 2.0 GPA are exempt from taking UNST. The credit hour for the UNST requirement must be filled in any area of study for the degree, e.g. the student cannot waive the UNST requirement and graduate with 59 credits – 60 credits must be completed. If the student is enrolled in a program of study that requires more than 60 credits to graduate, the UNST credit is waived. i.e. a substitution is not necessary and the student may graduate with one less credit than the program requires, e.g. a 72 credit program will be accepted as a 71 credit program for this student.

Student Outcomes

- Define the resources available to students and lifelong learners
- Describe and use post-secondary resources such as advisors, programs, policies and procedures to reach educational goals
- Describe effective study, note-taking and test-taking skills
- Evaluate their learning styles and personality types and apply the knowledge attained to become more confident, effective learners
- Use critical thinking skills

NOTE: The following General Education Requirements are specific to AAS degrees:

Applied Mathematics: (APPM)

Applied mathematics, numerical reasoning, is the organization, analysis and application of measurement-including data representation, number sense, variables, and spatial relationships—to applied problems. Applied Math General Education courses may include numerical, logical, algebraic, geometric, or algorithmic thinking as well as the integration of these modes of analysis with students' verbal, creative, and critical thinking skills.

Student Outcomes

- Apply arithmetic, algebraic, geometric, higher-order thinking, or statistical methods to modeling and solving real-world situations
- Represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically
- Use appropriate technology to enhance mathematical thinking and understanding and solve mathematical problems and judge the reasonableness of the result
- Interpret mathematical models such as formulas, graphs, tables, schematics, and draw inferences from them
- Develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines

Informational Technology: (IT)

Information technology skills enable an individual to use computers, software applications, databases, and other technologies to achieve a wide variety of academic, work-related, and personal goals. Fluency with technology includes understanding the underlying concepts of technology and applying problem-solving and critical thinking to using technology.

Student Outcomes

- Learn the fundamentals of at least one computer program
- Use the computer as a useful tool to solve practical problems
- Use the proper procedures to create documents for coursework, professional purposes, and personal use

Bachelor Level Student Outcomes (in addition to those above):

- Select peer-reviewed sources of information using keywords, command languages, online protocols and research parameters.

Degree Requirements

Bachelor of Applied Science

1. All courses must be college-level courses as indicated by a number of 1000 or above.
2. Successful completion of a minimum of 120 credits in a prescribed curriculum. A grade of "D", "F" or "U" does not constitute successful completion of a class.
3. Cumulative grade point average of 2.0 (C) is required in all hours completed at Central Wyoming College.
4. Minimum cumulative grade point average of 2.0 (C) in those courses required for graduation in the student's prescribed program.
5. A minimum of 30 general education credit hours is required for completion of the BAS degree, with a minimum of 2.0 (C) in each general education course requirement. See General Education Requirements.
6. Minimum of 2.0 (C) in each program requirement in the student's program of study. Refer to the Programs of Study section of this catalog for specific courses.
7. Topics and directed studies courses may not be used to satisfy general education requirements.
8. A minimum of 45 credit hours of upper level (3000-4000 level) coursework is required for the BAS degree.
9. A minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Bachelor of Applied Science

General Education Requirements

Writing Level I (WR1)	3 Credits
Writing Level II (WR2)	3 Credits
American & Wyoming Government (POLS 1000)	3 Credits
ARTS/HUM/IT/LSCI	3 Credits
MATH/APPM	3 Credits
ORAL	6 Credits
SOC	(in program)
UNST	1 Credit
Gen Ed Electives*	5 Credits
Total	**30 Credits**

With the approval by faculty advisor, student may choose a combination of courses with a general education designator to complete the requirements in this section.

Associate of Arts

Associate of Science*

1. All courses must be college-level courses as indicated by a number of 1000 or above.
2. Successful completion of a minimum of 60 credits in a prescribed curriculum. A grade of "F" or "U" does not constitute successful completion of a class. A grade of "D" in CWC classes is considered successful completion only for general elective courses.
3. Cumulative grade point average of 2.0 (C) is required in all hours completed at Central Wyoming College.
4. Minimum cumulative grade point average of 2.0 (C) in those courses required for graduation in the student's prescribed program.
5. Minimum of 2.0 (C) in each general education course requirement. See General Education Requirements.
6. Minimum of 2.0 (C) in each program requirement in the student's program of study. Refer to the Programs of Study section of this catalog for specific courses.
7. A maximum of 11 general elective credits may be taken under the S/U grading option. An S/U graded course will not be accepted to fulfill a general education or program requirement unless the course is offered for S/U grading only.
8. Topics and directed studies courses may not be used to satisfy general education requirements.
9. A minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Associate of Arts Degree or Associate of Science Degree*

General Education Requirements

Writing Level I (WR1)	3 Credits
Writing Level II (WR2)	3 Credits
American & Wyoming Government (POLS 1000)	3 Credits
ARTS	3 Credits
HUM	3 Credits
LSCI	4 Credits
MATH	3 Credits
ORAL	3 Credits
SOC	3 Credits
UNST	1 Credit
Total	**29 Credits**

**** For the Associate of Science (AS) degree, the students have the option of choosing 2 courses out of the following three areas: ARTS, HUM, SOC for a total of 6 credits. Total General Education Requirement = 26 credits.***

Additionally, for AS degrees, the program requirements section must include one additional course in mathematics, lab science or statistics course.

Associate of Applied Science

1. All courses must be college-level courses as indicated by a number of 1000 or above.
2. Successful completion of a minimum of 60 credits in a prescribed curriculum. A grade of "F" or "U" does not constitute successful completion of a class. A grade of "D" in CWC classes is considered successful completion only for general elective courses.
3. Cumulative grade point average of 2.0 (C) is required in all hours completed at Central Wyoming College.
4. Minimum cumulative grade point average of 2.0 (C) in those courses required for graduation in the student's prescribed program.
5. Minimum of 2.0 (C) in each general education course requirement. See General Education Requirements.
6. Minimum of 2.0 (C) in each area of emphasis requirement in the student's program of study. Refer to the Programs of Study section of this catalog for specific courses.
7. A maximum of 11 general elective credits may be taken under the S/U Grading option. An S/U graded course will not be accepted to fulfill a general education or program requirement unless the course is offered for S/U grading only.
8. Topics and directed studies courses may not be used to satisfy general education requirements.
9. A minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Associate of Applied Science Degree

General Education Requirements

Writing Level I (WR1)	3 Credits
American & Wyoming Government (POLS 1000)	3 Credits
MATH/APPM/LSCI	3 Credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL	
ARTS/HUM/IT/ORAL/SOC/WR2	6 Credits
UNST	1 Credit
Total	**16 Credits**

Associate Degree in Nursing (ADN)

1. All courses must be college-level courses as indicated by a number of 1000 or above.
2. Successful completion of a minimum of 66 credits in a prescribed curriculum. A grade of "F" or "U" does not constitute successful completion of a class. A grade of "D" in CWC classes is considered successful completion only for general elective courses.
3. Cumulative grade point average of 2.0 (C) is required in all hours completed at Central Wyoming College.
4. Minimum cumulative grade point average of 2.0 (C) in those courses required for graduation in the student's prescribed program.
5. Minimum of 2.0 (C) in each general education course requirement. See General Education Requirements.
6. Minimum of 2.0 (C) in each area of emphasis requirement in the student's program of study. Refer to the Programs of Study section of this catalog for specific courses.
7. A maximum of 11 general elective credits may be taken under the S/U Grading option. An S/U graded course will not be accepted to fulfill a general education or program requirement unless the course is offered for S/U grading only.
8. Topics and directed studies courses may not be used to satisfy general education requirements.
9. A minimum of 25% of the credits of the degree must be earned through Central Wyoming College.

Associate Degree in Nursing (ADN)

General Education Requirements

Writing Level I (WR1)	3 Credits
Writing Level II (WR2)	3 Credits
American & Wyoming Government (POLS 1000)	3 Credits
MATH/LSCI	8 Credits
SOC	4 Credits
UNST	1 Credit
Total	**22 Credits**

Programs of Study

Programs of study at Central Wyoming College are continuously reviewed and updated. For the most current information regarding any program in this catalog contact the Student Records Office, your advisor or the appropriate academic division office.

All programs leading to degrees or certificates are grouped into categories in this section of the catalog. Within each program, General Education requirements are listed first, then all required program courses followed by electives. See the Course Descriptions section of this catalog for a brief outline of each course. Also refer to the course numbering system at the beginning of the Course Description section for information which will help in the selection of the appropriate courses for a specific degree.

Programs will be held on the main campus in Riverton unless otherwise specified within the program description.

PROGRAMS CAN BE FLEXIBLE

CWC recognizes that all student goals are not met with a single academic plan. Therefore, it is the College's intent to offer programs of study in the Bachelor of Applied Science, Associate of Arts and Associate of Science programs that are flexible, acknowledging a student's unique goals and the institution's ability to offer specific courses. Consequently, students should be aware that some classes listed in the following Programs of Study section of this catalog may need to be substituted. Thus, the courses and programs listed below are recommendations only. Courses used for general education requirements must have the proper general education designator.

Since faculty are continually evaluating and updating courses and programs of study to better serve students, individual students should frequently contact their advisors for course and program changes to ensure meeting the appropriate requirements for graduation and transfer.

CWC reserves the right to cancel any course listed in a program of study for which there is not sufficient enrollment. Certain courses are offered irregularly and are based on demand.

How to Declare a Program

The programs of study at Central Wyoming College are designed to lead a student to make an informed and deliberate decision as to the student's given interest or goals. For the student whose interests vary, CWC has designed focused exploration programs for students to declare.

Below is an explanation of how a student may choose one of the major career paths and declare a program of study.

BACHELOR OF APPLIED SCIENCE PATHWAYS

There are three admission opportunities for pursuing the Bachelor of Applied Science at Central Wyoming College.

1. **Associate Degree Pathway**: Upon admission the student will declare an associate degree (AA, AS, AAS or ADN) as part of the bachelor's degree plan, and will have completed the first two years upon completion of the associate degree. If the student has completed some college coursework but has not completed an associate degree, they will need to submit official college transcripts from all previous schools and enroll with advanced standing. Students may take up to 15 credits of upper-division courses prior to completing an associate degree. The student must apply for graduation from the associate degree program once all program requirements have been completed. The student must then be confirmed by his or her Faculty Advisor or Success Coach that they remain on the BAS track and to graduate, a student must have a cumulative grade point average of 2.0 ("C" average) or better on all courses taken at Central Wyoming College.
2. **Transfer Pathway**: The transfer pathway for the Bachelor of Applied Science degree includes these elements: 1) The student must have completed an associate degree in a specific discipline from an accredited school with 60 credits minimum; 2) Credit will be granted for all Lower-Level program requirements for students pursuing Organizational Management and Leadership, BAS degree options. This does not include General Education requirements that are not covered in other areas of the program. Please refer to 'Procedures for Students Transferring to CWC Confirmed AA, AS, Bachelors, and AAS Degree' regarding credit of General Education course requirements; For students pursuing the Early Childhood Education, BAS, the lower division courses must be completed before a student can enroll in more than 15 upper-division credits at CWC; 3) Course prerequisites must be completed before a student can enroll in upper-division courses; 4) For transfer credit, upper division course requirements must be earned through an accredited institution of higher education and may be considered, on an individual basis, from institutions that are not accredited. Specific courses that fulfill the general education requirements may be stipulated by the specific bachelor's degree option and to graduate, a student must have a cumulative grade point average of 2.0 ("C" average) or better on all courses taken at Central Wyoming College.
3. **Direct Pathway**: The direct pathway for the Bachelor of Applied Science degree has the student declaring the BAS program initially as a freshman. The student may still transfer credits from other institutions to meet a portion of the degree, but does not declare an associate degree as a part of the BAS plan and to graduate, a student must have a cumulative grade point average of 2.0 ("C" average) or better on all courses taken at Central Wyoming College.

TRANSFER PROGRAMS

Transfer programs are approximately two years in length, require the successful completion of at least 60 credits, and culminate in the Associate of Arts (AA) or Associate of Science (AS) degree. These programs are designed for students who wish to transfer to a bachelor's degree program at a four-year college or university following graduation from Central Wyoming College. The length of time required to complete a program is dependent upon the student's level of preparation and the course load for which the student enrolls.

Students planning to transfer to a four-year college or university are advised to obtain a catalog from the institution to which they wish to transfer. Using Central Wyoming College's catalog, along with the four-year institution's catalog and advisement information, the student will be able to make appropriate decisions for maximum transferability of his or her courses.

Students may complete a baccalaureate (four-year) degree while remaining at CWC through cooperative agreements with a variety of institutions.

CWC has an articulation agreement with the University of Wyoming for transfer. Students who transfer with an Associate of Arts or Science (AA/AS) will satisfy the lower-division requirements of the University Studies Program once they have completed an additional three (3) credits of mathematics.

Students who transfer to UW with less than an AA or AS degree will have their transcript evaluated on a course-by-course basis based on The Wyoming Higher Education Transfer Guide. Also included in this category are students who receive occupational or other associate degrees, e.g. Associate of Applied Science (AAS).

The Wyoming Higher Education Guide provides course transfer status information. Students may utilize the information in the transfer guide by checking with the Student Records Office, or an academic advisor. The University of Wyoming also has a toll-free telephone service (800.342.5996) that students are encouraged to use to clarify any transfer questions they may have. Assistance is also available from your program advisor.

Students should keep in mind that transfer institutions evaluate a student's transcript on the basis of courses taken and not a specific program.

CAREER/TECHNICAL PROGRAMS

Associate of Applied Science (AAS), Certificate I (CERT I), Certificate II (CERT II)

Career/Technical programs vary in length from several months to approximately two years and lead to a Certificate II (CERT II), Certificate I (CERT I) or the Associate of Applied Science (AAS) degree. These programs are intended to prepare the student for entry into the job market after graduation. Although certificates are not intended for transfer to four-year colleges or universities, the Associate of Applied Science programs offer students the opportunity to pursue a Bachelor of Applied Science degree at CWC. For other colleges and universities, transferability is determined by the accepting institution. Students who wish to continue their education after leaving Central Wyoming College are encouraged to correspond with the institution to which they plan to transfer.

The length of time required to complete a program is dependent upon the student's level of preparation and the course load for which the student enrolls.

See a list of programs of study for AAS, CERT I, or CERT II (p. 61).

Bachelor of Applied Science

EARLY CHILDHOOD EDUCATION, BAS

Program Description

The BAS in Early Childhood Education provides the student with a broad base of academic experiences in the subject areas necessary for teachers of young children Pre-Kindergarten to 3rd grade. Coursework includes foundations of education, elementary math and science courses, educational assessment, psychology, special education, technology and literature courses. The student will have opportunities to practice skills being learned during field experiences in the Preschool and K-3 settings.

Students are required to have a minimum GPA of 2.5 before enrolling in upper division courses (3000 and above). Before graduation students will be required to attempt the Education of Young Children Praxis 5024.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM	(in program)
ARTS/HUM/IT/LSCI	(in program)
ORAL	(in program)
SOC	(in program)
UNST	1 credits
Gen Elec *	(in program)

* General Elective course EDEL-2280 Literature for Children included in the program

Program Requirements

Lower Level Requirements

BIOL 1020	Life Science	4
COMM 2010	Public Speaking	3
COMM 2130	Human Relations	3
EDEC 1020	Introduction to Early Childhood Education	3
EDEC 1100	Observation and Guidance of Young Children	3
EDEC 1300	Curriculum Planning and Development for Young Children	2
EDEC 1305	Curriculum Planning/Dev Young Child Lab	1
EDEC 2000	Engaging Families in Early Childhood Education Settings	3
EDEC 2200	Early Childhood Practicum	3
EDEL 2140	Teaching Literacy in the Elem School	3
EDEL 2280	Literature for Children	3
EDEX 2484	Intro to Special Education	3
EDFD 1101	Intro to Education	2
EDFD 2100	Educational Psychology	3

EDST 2250	Educational Assessment	3
FCSC 2121	Child Development	4
HLED 2006	Health for Elementary Educators	1
ITEC 2360	Teaching and Learning with Educational Technology	3
MATH 1100	Number and Operations for Elementary School Teachers	3
MATH 1105	Data, Probability and Algebra for Elementary School Teachers	3
PSYC 1000	General Psychology	4

Upper Level Requirements

EDCI 3130	Teaching Social Studies in Elementary School	2
EDCI 3140	Teaching Reading in Elementary	2
EDCI 3150	Teaching Math in Elementary School	2
EDCI 3160	Teaching Science in Elementary	2
EDEC 3220	School Programs for Young Children	3
EDEC 4320	Oral and Written Language Acquisition	3
EDEC 4350	Health Management Issues in Early Education	3
EDEC 4230	Creating Curriculum for Children with Special Needs	3
EDEC 4250	Laws and Litigation in Early Childhood Special Education	2
EDEL 4500	Residency in Teaching	11
EDEL 4500	Residency in Teaching	11
EDEX 3340	Differentiating Instruction in Diverse Classrooms	3
FCSC 3220	Multicultural Influences on Children and Families	3
FCSC 4124	Families of Young Children with Special Needs	3

EDEL 4500 is a class that students are required to take two times as part of their graduation requirements. During each of these classes they are taking different methods classes concurrently with this course.

Total Credit Hours: 123

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP

The Bachelor of Applied Science in Organizational Management and Leadership provides the student an opportunity to develop the knowledge, skills and abilities required to successfully manage and lead within public, private, government and nonprofit organizations. The curriculum offers specific areas of emphasis, while integrating practical application and active learning strategies to encourage growth in management and leadership roles.

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP: AGRICULTURAL LEADERSHIP OPTION, BAS

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH/APPM	3 credits
ARTS/HUM/IT/LSCI	3 credits
ORAL	6 credits
SOC	(in program)
UNST	1 credits
Gen Ed Electives*	5 credits

*Gen Ed Electives: With approval by faculty advisor, student may choose a combination of courses with a general education designator to complete the requirements of this section.

Program Requirements

Lower Level Requirements

IMGT 2400	Intro to Information Management	3
MDIA 3050	New Media Ethics	3
MGT 3415	Applied Human Resources Management	3
PSYC 1000	General Psychology	4
STAT 2000	Statistics and the World	3
	General Electives	14

General Electives: Students must obtain approval by faculty advisor for any courses taken to complete the requirements in this section.

Upper Level Requirements

COMM 4050	Communication and Conflict	3
MGT 3000	Financial Analysis Budgeting	3
LEAD 3110	Foundations of Leadership	3
MGT 3010	Personal Leadership	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3
LEAD 4005	Leading Others	3

MGT 4020	Innovation Management	3
	OR	
LEAD 4410	Innovative Change Leadership	3
MGT 4390	Mgmt and Leadership Capstone	3
PSYC 3110	Cross Cultural Psychology	3
PSYC 3200	Industrial Organizational Psychology	3

Agricultural Leadership Option

AGEC 3050	Applied Ethics: US and World Agriculture	3
AGEC 3100	Agricultural Economics	3
AGEC 3400	Agricultural Law	3
AGRI 4395	Agricultural Capstone	3
AGRI 3470	Agriculture Internship I	3
	AGEC, AGRI, MGT	15

Program Electives: Student must obtain approval by faculty advisor for any courses taken to complete the requirements in this section.

Total Credit Hours: 120

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP: BUSINESS AND ENTREPRENEURIAL LEADERSHIP OPTION, BAS

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)	3 credits
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/LSCI (p. 373)	3 credits
ORAL (p. 373)	6 credits
SOC	(in program)
UNST (p. 371)	1 credits
Gen Ed Electives*	5 credits

*Gen Ed Electives: With approval by faculty advisor, student may choose a combination of courses with a general education designator to complete the requirements of this section.

Program Requirements

Lower Level Requirements

IMGT 2400	Intro to Information Management	3
MDIA 3050	New Media Ethics	3
MGT 3415	Applied Human Resources Management	3
PSYC 1000	General Psychology	4
STAT 2000	Statistics and the World	3

	General Electives	14

General Electives: Student must obtain approval by faculty advisor for any courses taken to complete the requirements in this section.

Upper Level Requirements

COMM 4050	Communication and Conflict	3
MGT 3000	Financial Analysis Budgeting	3
LEAD 3110	Foundations of Leadership	3
MGT 3010	Personal Leadership	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3
LEAD 4005	Leading Others	3
MGT 4020	Innovation Management	3
	OR	
LEAD 4410	Innovative Change Leadership	3
MGT 4390	Mgmt and Leadership Capstone	3
PSYC 3110	Cross Cultural Psychology	3
PSYC 3200	Industrial Organizational Psychology	3

Business and Entrepreneurial Leadership Option

ENTR 4050	Entrepreneurship Essentials	4
MGT 3400	Business Internship	2
MGT 4395	Business and Entr Capstone	3
MKT 3050	Social Media Marketing	3
MKT 3210	Principles of Marketing	3
	ACCT, BADM, ECON, ENTR, FIN, IMGT, MDIA, MGT, MKT	15

Program Electives: Student must obtain approval by faculty advisor for any courses taken to complete the requirements in this section. The student must successfully complete MGT 3410 as part of the program electives if not previously completed. It is recommended that the student complete both MGT 4020 and MGT 4410.

Total Credit Hours: 120

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP: CRIMINAL JUSTICE LEADERSHIP OPTION, BAS

Program Description

Leadership is an immersive and empowering process. Criminal Justice Leadership is a degree option of the Organizational Management and Leadership Bachelor of Applied Science degree. In this degree option, the student will learn to manage and lead successfully within criminal justice and law enforcement organizations. This degree option is designed with a focus for those in criminal justice and law enforcement organizations. This degree option provides an opportunity to develop and apply skills to advance individuals both professionally and personally. The curriculum offers practical learning strategies to encourage growth in individuals and teams.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM	3 credits
ARTS/HUM/IT/LSCI	3 credits
ORAL	6 credits
SOC	(in program)
UNST	1 credits
Gen Ed Electives*	5 credits

*Gen Ed Electives: With approval by faculty advisor, student may choose a combination of courses with a general education designator to complete the requirements of this section.

Program Requirements

Lower Level Requirements

IMGT 2400	Intro to Information Management	3
MDIA 3050	New Media Ethics	3
MGT 3415	Applied Human Resources Management	3
PSYC 1000	General Psychology	4
STAT 2000	Statistics and the World	3
	General Electives	14

General Electives: Student must obtain approval by faculty advisor for any courses taken to complete the requirements in this section.

Upper Level Requirements

COMM 4050	Communication and Conflict	3
MGT 3000	Financial Analysis Budgeting	3
LEAD 3110	Foundations of Leadership	3
MGT 3010	Personal Leadership	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3
LEAD 4005	Leading Others	3
MGT 4020	Innovation Management	3
	OR	
LEAD 4410	Innovative Change Leadership	3
MGT 4390	Mgmt and Leadership Capstone	3
PSYC 3110	Cross Cultural Psychology	3
PSYC 3200	Industrial Organizational Psychology	3

Law Enforcement Leadership Option

CRMJ 3030	Liability and Risk Management	3

CRMJ 3010	Emergency Management of Critical Incidents	3
CRMJ 3050	Cultural Diversity in Criminal Justice	3
CRMJ 4010	Community Policing and Public Trust	3
CRMJ 4030	Crisis Communication and Public Relations	3
CRMJ 4130	Leadership and Management in the Criminal Justice System	3
	CRMJ, HSEC, MGT, NAIS, PSYC, SOC	12

Program Electives: Student must obtain approval by faculty advisor for any courses taken to complete the program elective requirement in this section.

Total Credit Hours: 120

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP: OUTDOOR PROGRAM LEADERSHIP OPTION, BAS

Program Description

This 8-semester program offers the student an administrative perspective of the outdoor recreation service industry that includes learning, training, and assessment of leadership and program management skills. The program is especially appropriate for the student wishing to start an outdoor-related small business, manage an outdoor recreation or education program, or build a career in leadership of parks, recreation, tourism, or natural resource management.

Majors can choose to live at CWC's Alpine Science Institute (ASI), near Lander, in the foothills of the Wind River Mountains. Student cabins offer easy access to trout streams, world-class rock climbing areas, and a variety of hike and bike trails ideal for outdoor skill development. The required $250/semester equipment fee grants access to bikes, cross country and downhill skis, snowboards, rafts, canoes, paddleboards, and climbing and camping gear.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH/APPM	3 credits
ARTS/HUM/IT/LSCI	3 credits
ORAL	6 credits
SOC	(in program)
UNST	1 credits
Gen Ed Electives*	5 credits

*Gen Ed Electives: With approval by faculty advisor, student may choose a combination of courses with a general education designator to complete the requirements of this section.

Program Requirements

Lower Level Requirements

IMGT 2400	Intro to Information Management	3
MDIA 3050	New Media Ethics	3
MGT 3415	Applied Human Resources Management	3

PSYC 1000	General Psychology	4
STAT 2000	Statistics and the World	3
	General Electives	14

Upper Level Requirements

COMM 4050	Communication and Conflict	3
MGT 3000	Financial Analysis Budgeting	3
LEAD 3110	Foundations of Leadership	3
MGT 3010	Personal Leadership	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3
MGT 3415	Applied Human Resources Management	3
LEAD 4005	Leading Others	3
MGT 4020	Innovation Management	3
	OR	
LEAD 4410	Innovative Change Leadership	3
MGT 4390	Mgmt and Leadership Capstone	3
PSYC 3110	Cross Cultural Psychology	3
PSYC 3200	Industrial Organizational Psychology	3

Outdoor Program Leadership Option

ORTM 3000	Tourism Theory and Practice	3
ORTM 3050	Conservation Planning for Recreation and Tourism Management	3
ORTM 4970	Internship	1 - 6
ORTM 4975	Independent Study	1 - 6

Program Electives

Students must choose a minimum of 17 credits from the following list of approved Program Electives to ensure completion of at least 120 total program credits.

BIOL 1080	Intro to Environmental Science	4
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
EDFD 2450	Human Life Span Development	3
EDUC 1055	Introduction to Outdoor Education	3
EDUC 2045	Outdoor Leadership Instructor	1 - 5
EDUC 2050	Outdoor Education & Leadership	1 - 5
ORTM 2470	Outdoor Education Practicum	4
ENR 1005	Trailbuilding I	1 - 3
ENR 2150	NAI Certified Interpretive Guide	3
ENR 2200	Greater Yellowstone Ecosystem Naturalist	4
ENR 2425	Mountain Environments	4
ENTR 1505	Entr I: Entrepreneurial Mindset	3
ENTR 4050	Entrepreneurship Essentials	4
G&R 2032	Winter Expedition:	1 - 5

G&R 2033	Rock Climbing:	1 - 5
G&R 2034	Water Expedition:	1 - 5
G&R 2050	Environmental Ethics & Management:	1 - 5
HLED 2010	Wilderness First Responder	4
HLED 2015	Wilderness EMT	9
MKT 3050	Social Media Marketing	3
MKT 3210	Principles of Marketing	3
OEAC 1175	Ice Climbing	1
OEAC 1258	Skiing and Snowboarding	1
OEAC 1287	Outdoor Rock Climbing	1
OEAC 1288	Mountain Biking	1
OEAC 1297	Whitewater Rafting and Rescue	1
OEAC 1380	Outdoor Multisport	1 - 3
OEAC 1400	Avalanche Level 1	1
OEAC 2020	Mountaineering:	1 - 5
OEAC 2025	Wilderness Navigation	1
OEAC 2030	Wilderness Backpacking:	1 - 5
OEAC 2031	Combined Expeditions:	1 - 5
OEAC 2058	Backcountry Skiing and Snowboarding	1
OEAC 2400	Avalanche Level 2	2
ORTM 1000	Foundations of Recreation and Tourism	3
ORTM 2410	Outdoor Leadership	3
PEAC 2018	Water Safety	1

Total Credit Hours: 120

ORGANIZATIONAL MANAGEMENT AND LEADERSHIP: TRIBAL LEADERSHIP OPTION, BAS

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM	3 credits
ARTS/HUM/IT/LSCI	3 credits
ORAL	6 credits
SOC	(in program)
UNST	1 credits
Gen Ed Electives*	5 credits

*Gen Ed Electives: With approval by faculty advisor, student may choose a combination of courses with a general education designator to complete the requirements of this section.

Program Requirements

Lower Level Requirements

IMGT 2400	Intro to Information Management	3
MDIA 3050	New Media Ethics	3
MGT 3415	Applied Human Resources Management	3
PSYC 1000	General Psychology	4
STAT 2000	Statistics and the World	3
	General Electives	14

General Electives: Student must obtain approval by faculty advisor for any courses taken to complete the requirements in this section.

Upper Level Requirements

COMM 4050	Communication and Conflict	3
MGT 3000	Financial Analysis Budgeting	3
LEAD 3110	Foundations of Leadership	3
MGT 3010	Personal Leadership	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3
LEAD 4005	Leading Others	3
MGT 4020	Innovation Management	3
	OR	
LEAD 4410	Innovative Change Leadership	3
MGT 4390	Mgmt and Leadership Capstone	3
PSYC 3110	Cross Cultural Psychology	3
PSYC 3200	Industrial Organizational Psychology	3

Tribal Leadership Option

NAIS 3300	Federal Indian Law	3
NAIS 4100	Tribal Government	3
NAIS 4110	Educational Foundations in American Indian Education	3
NAIS 4340	Natural Resource Management on Western Reservations	3
NAIS 4400	Tribal Leadership Practicum	3
	ACCT, ANTH, BADM, ECON, ENTR, FIN, GEOG, IMGT, MDIA, MGT, MKT , NAIS	15

Program Electives: Student must obtain approval by faculty advisor for any courses taken to complete the requirements in this section.

Total Credit Hours: 120

Combining Two Different Programs of Study

TECHNICAL STUDIES

This degree is designed for students who are interested in combining two technical areas of program studies in order to be more competitive in the job market and meet the employer's requirements. The general education requirements are designed to encourage students to develop critical and creative thinking, communication, self-directed learning, technological literacy, and recognizing diversity. Only sixteen (16) credits are devoted to general education requirements and the remaining forty-one (44) credits focus on rigorous skills required for the two areas of program study.

INTERDISCIPLINARY STUDIES

This degree is designed for students who are focused on combining two areas of either AA or AS program studies in order to transfer and ultimately meet a bachelor's degree requirement. The general education requirements are designed to encourage students to develop critical and creative thinking, communication, self-directed learning, recognizing diversity, and technical literacy. Only twenty-nine (29) credits are devoted to general education requirements fulfilling transfer general education requirements and twenty-six (26) credits usually are prerequisite courses preparing the student to continue to the next level of major course work. Students may complete up to five (5) credits in general electives.

The Technical Studies and Interdisciplinary Studies Programs are outlined below.

TECHNICAL STUDIES PROGRAM, AAS

Program Description

The Associate of Applied Science degree in Technical Studies is designed to meet dual purposes. First, it will offer students the opportunity to earn a Bachelor of Applied Science degree at CWC, or pursue a Bachelor of Applied Science offered at four-year institutions. Second, the degree will allow students to combine two disciplines in order to be more competitive in the job market and meet the requirements of employers.

The general education requirements are designed to encourage students to develop civic awareness and engagement, communication, critical thinking, personal and professional responsibility, and quantitative literacy.

This program combines certificates or emphasis in specific disciplines to meet employer needs for unique skill combinations for which there is no established degree program. Employers reviewing transcripts will be able to quickly determine the combined areas of expertise as the degrees will be recorded as in the following examples:

Technical Studies: Agriculture-Welding
Technical Studies: Criminal Justice-Equine
Technical Studies: Entrepreneurship-Graphic Art
Technical Studies: Computer Technology-Medical Office

Students awarded a stand-alone certificate from Central Wyoming College may transition to the Technical Studies AAS degree by selecting additional technical skill courses, in consultation with a faculty advisor and upon approval of the Academic Dean.

A total of sixty (60) credits are required in the Technical Studies AAS degree. Sixteen (16) credits are required in the general education component, thirty-eight (38) credits are required in the technical studies component, which includes PFDV 1500 Managing Career Development, a minimum of twenty (20) credits is focused in one technical discipline, and the remaining fifteen (15) credits are selected from supporting technical courses. Students may complete up to six (6) credits in general electives. The advisor and the academic dean must approve courses that count towards degree attainment. Changes in the program require prior advisor and Dean approval.

Students are required to meet with an assigned success coach or faculty advisor who will assist the student in developing a written plan of study. Current and/or potential employers may be involved in developing the plan of study. The written plan of study is signed by the student and the success coach or faculty advisor, and then submitted to the appropriate Academic Dean for final approval. The Dean will submit the written plan of study to the Registrar to formalize the degree requirements within the degree audit system. Changes in the program require prior advisor and Dean approval.

* The following courses may NOT be used to satisfy the Technical Studies Component: PEAC and PEAT prefixes unless they are identified as discipline-specific courses.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/ LSCI (p. 371)	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	6 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

PFDV 1500	Managing Career Development	3
	Discipline Specific Technical Courses *	20
	Other Technical Courses *	15

** The following courses may NOT be used to satisfy the Technical Studies Component: PEAC and PEAT prefixes unless they are identified as discipline-specific courses.*

Total Credit Hours: 60

TECHNICAL STUDIES CERTIFICATE I

Program Description

The Certificate I in Technical Studies is designed to offer students the opportunity to meet their unique interests, needs, goals, and employer interests.

The general education requirements are designed for students to develop their language arts/communication and computational (mathematical) skills.

The certificate program allows the student to identify an emphasis in specific disciplines for meeting employer needs for unique skill combinations for which there is no established degree program.

A total of thirty-one (31) credits are required in the Technical Studies Certificate degree. Seven (7) credits are required in the general education component, twenty-four (24) credits are required in the technical studies component of which a three (3) credit, WR2 (p. 371) or ORAL (p. 371), is required, and a minimum of twelve (12) credits is focused in one technical discipline, and the remaining nine (9) credits are selected from supporting technical courses.

This certificate combines courses in specific disciplines or emphasis to meet employer needs for unique skill combinations for which there is no established certificate program. Employers reviewing transcripts will be able to quickly determine the combined areas of expertise as the certificates will be recorded as in the following examples:

Technical Studies: Agriculture-Welding
Technical Studies: Criminal Justice-Equine
Technical Studies: Entrepreneurship-Graphic Art
Technical Studies: Computer Technology-Medical Office

Students are required to meet with an assigned success coach or faculty academic advisor who will assist the student in developing a written plan of study. Current and/or potential employers may be involved in developing the plan of study. The written plan of study is signed by the student and the success coach or faculty advisor, and then submitted to the appropriate Academic Dean for final approval. The Dean will submit the written plan of study to the Registrar in order to finalize the degree requirements within the degree audit system.

* The following courses may NOT be used to satisfy the Technical Studies Component: PEAC and PEAT prefixes unless they are identified as discipline-specific courses.

General Education Requirements

Writing Level I (WR1 (p. 371) (p. 371))	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p.371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

WR2 or ORAL	3
Discipline Specific Technical Courses *	12
Other Technical Courses *	9

** The following courses may NOT be used to satisfy the Technical Studies Component: PEAC and PEAT prefixes unless they are identified as discipline-specific courses.*

Total Credit Hours: 31

TECHNICAL STUDIES: ENTREPRENEURSHIP AND (COMPANION PROGRAM LISTED HERE), AAS

Program Description

The Technical Studies: Entrepreneurship and (name specific discipline) combines specific entrepreneurial and business courses with a student's unique interest program major to assist in launching a business in that area.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)	3 credits
WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

PFDV 1500	Managing Career Development	3

Discipline Specific Technical Courses *

BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
	OR	
ENGL 2002	Technical Writing	3
BADM 2105	Small Business Management	3
ENTR 1501	Survey of Entrepreneurship	1 - 3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
ENTR 1525	ENTR II: Opportunity Analysis	3
BADM 2010	Legal Environment of Business	3
MGT 3110	Business Ethics	3
MKT 1000	Sales	3
MKT 3210	Principles of Marketing	3
	Other Technical Courses *	15

** The following courses may NOT be used to satisfy the Technical Studies Component: PEAC and PEAT prefixes unless they are identified as discipline-specific courses.*

Total Credit Hours: 61

TECHNICAL STUDIES: THEATRE AND FILM, AAS

Program Description

The Associates of Applied Arts (AAS) in Technical Studies: Theatre and Film is a terminal degree designed for students who know they are passionate about theatre and filmmaking. Most theatre programs don't teach you about film acting or filmmaking. Most film programs don't teach you about acting or directing actors. This program changes all that. You will experience the best of both worlds and learn how they interact and influence each other. The theatre side of the program provides opportunities to write plays, direct, act, and work in technical capacities. The film side will give you opportunities to practice screenwriting, directing, cinematography, editing, sound recording, and other technical responsibilities. The hallmark of this program is essentially unlimited opportunity to produce original, creative work in theater and film. Upon completion of the degree, students will be prepared for stepping directly into the film and entertainment industry.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	3 credits
ARTS (p. 371)	(in program)
ORAL (p. 371)/WR2 (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
FILM 2380	Cinema History	3
THEA 1100	Acting I	3
THEA 2030	Beginning Playwriting	3
THEA 2220	Stagecraft	3
THEA 2470	Directing Practicum	1

Program Electives

Students must choose three (3) credits from the following courses:

THEA 2055	Rehearsal and Performance	1
THEA 1040	Production Crew I	0.5

THEA 2055: May be repeated up to 3 credits

Film Electives:

Students must choose nine (9) credits from the following courses:

COMM 1480	Media Arts:	3
FILM 1300	Editing	3
FILM 2100	Cinematography	3

FILM 2300	Directing	3
FILM 2400	Screenwriting II	3

Theatre Electives:

Students must choose nine (9) credits from the following courses:

THEA 1700	Voice for the Actor	2
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2020	Theatrical Backgrounds Drama II	3
THEA 2100	Acting II	3
THEA 2160	Stage Make-Up	2
THEA 2405	Theatre Seminar	3
THEA 2720	Intro to Stage Combat	2

Total Credit Hours: 60

INTERDISCIPLINARY STUDIES PROGRAM, AA

Program Description

The Associate of Arts Degree in Interdisciplinary Studies is designed to meet dual purposes. First, it will offer a student the opportunity to earn a Bachelor of Applied Science degree at CWC, or pursue a Bachelor of Arts or Bachelor of Science degree offered at four-year institutions. Second, the degree will allow a student to combine two disciplines to prepare the student to declare a major and a minor at a four-year institution.

The general education requirements are designed to encourage students to develop civic awareness and engagement, communication, critical thinking, personal and professional responsibility, and quantitative literacy.

This program combines specific disciplines for which there is no established degree program. The degrees will be recorded as in the following examples:

Interdisciplinary Studies: Computer Science – Engineering
Interdisciplinary Studies: Theatre – Film
Interdisciplinary Studies: Math – English
Interdisciplinary Studies: Native American Studies – Western American Studies

Students are required to meet with an assigned success coach or faculty advisor who will assist the student in developing a written plan of study. The written plan of study is signed by the student and the success coach or faculty advisor, and then submitted to the appropriate Academic Dean for final approval. If approved, the Dean will submit the written plan of study to the Registrar to formalize the degree requirements within the degree audit system. Changes in the program require success coach/advisor and Dean approval.

The following courses may NOT be used to satisfy the Interdisciplinary studies component:
PEAC courses are identified as discipline specific courses, all PEAC and PEAT prefixes.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	3 credits
HUM (p. 371)	3 credits
LSCI (p. 371)	4 credits
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

First Discipline Courses	12-14
Second Discipline Courses	12-14

General Electives (5 credits)

Total Credit Hours: 60

INTERDISCIPLINARY STUDIES: THEATRE/FILM, AA

Program Description

The Associates of Arts (AA) in Interdisciplinary Studies: Theatre and Film is a transfer degree designed for motivated students who know they are passionate about theatre and filmmaking. Most theatre programs don't teach you about film acting or filmmaking. Most film programs don't teach you about acting or directing actors. This program changes all that. You will experience the best of both worlds and learn how they interact and influence each other. The theatre side of the program provides opportunities to write plays, direct, act, and work in technical capacities. The film side will give you opportunities to practice screenwriting, directing, cinematography, editing, sound recording, and other technical responsibilities. The hallmark of this program is essentially unlimited opportunity to produce original, creative work in theater and film. Upon completion of the degree, students will be prepared for pursuing a Bachelor's degree or entering the entertainment industry.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	(in program)
HUM (p. 371)	(in program)
LSCI (p. 371)	4 credits
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Film Requirements

FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
FILM 2380	Cinema History	3

Theatre Requirements

THEA 1100	Acting I	3
THEA 2030	Beginning Playwriting	3
THEA 2470	Directing Practicum	1

Program Electives

Students must choose three (3) credits from the following courses:

THEA 1040	Production Crew I	0.5
THEA 2055	Rehearsal and Performance	1

THEA 2055: May be repeated up to 3 credits

Students must choose six (6) credits from the following courses:

COMM 1480	Media Arts:	3
FILM 1300	Editing	3
FILM 2100	Cinematography	3
FILM 2300	Directing	3
FILM 2400	Screenwriting II	3

Students must choose six (6) credits from the following courses:

THEA 1700	Voice for the Actor	2
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2020	Theatrical Backgrounds Drama II	3
THEA 2100	Acting II	3
THEA 2160	Stage Make-Up	2
THEA 2220	Stagecraft	3
THEA 2405	Theatre Seminar	3
THEA 2720	Intro to Stage Combat	2

Total Credit Hours: 61

Agriculture and Equine

AGRI-BUSINESS, AS

Program Description

In this program the student will obtain business and practical skills for a sustainable and successful agriculture operation. Practical skills include feed efficiency trials, meat processing evaluation, bull testing, crop studies and more.

This program puts an emphasis on internships and professional development by utilizing co-operative work experience in the community to gain work experience in various settings including farms and ranches, agriculture supply companies, and agriculture tourism. This degree is designed for transfer to a 4-year program.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/ SOC (p. 371). (SOC (p. 371) is in the program)	3 credits
SOC (p. 371)	(in program)
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2020	Principles of Accounting II	3
AGEC 2020	Farm and Ranch Business Management	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
COMM 2010	Public Speaking	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
FDSC 2040	Principles of Meat Animal Evaluation	3
IMGT 2400	Intro to Information Management	3
MATH 1400	College Algebra	4
MATH 2350	Business Calculus	4
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Program Electives

Student must choose a minimum of five (5) credits from the following courses:

AECL 1000	Agroecology	4
AECL 2100	Integrated Resource Management	3
AGEC 2010	Farm and Ranch Business Records	3
ANSC 1010	Intro to Animal Science	4
ANSC 2020	Feeds and Feeding	4
REWM 1000	Intro to Range Management	1
REWM 1300	Intro to Water Resources	3
REWM 2000	Principles of Rangeland Management	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2010	Introduction to Soil Science	4

Total Credit Hours: 60

AGRICULTURE/RANGE MANAGEMENT

The goal of the Associate of Science in Agriculture - Animal Science Option, Range Management Option or Meat Science Option is to provide the first step in preparing students for a bachelor's degree at a four-year institution. the general studies and program requirements components offer students a broad base of knowledge in English, communication, political science, math, animal science and range management courses required in the first two years of a transfer degree. Program electives allow students to select additional coursework to complement this degree.

AGRICULTURE-ANIMAL SCIENCE OPTION, AS

Program Description

The goal of the Associate of Science in Agriculture - Animal Science Option, Range Management Option or Meat Science Option is to provide the first step in preparing students for a bachelor's degree. The general studies and program requirements components offer students a broad base of knowledge in English, communication, political science, math, animal science and range management courses required in the first two years of a transfer degree. Program electives allow students to select additional coursework to complement this degree.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/SOC (p. 371). (SOC (p. 371) is in the program)	3 credits
SOC (p. 371)	(in program)
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

AGEC 2020	Farm and Ranch Business Management	4
ANSC 1010	Intro to Animal Science	4
ANSC 2020	Feeds and Feeding	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
BIOL 2022	Animal Biology	4
CHEM 1000	Intro to Chemistry	4
COMM 2010	Public Speaking	3
ECON 1010	Macroeconomics	3
FDSC 1410	Scientific Study of Food	3
	OR	
FDSC 2040	Principles of Meat Animal Evaluation	3
MATH 1400	College Algebra	4
REWM 2000	Principles of Rangeland Management	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Program Electives

Student must choose a minimum of four (4) credits from the following courses:

AECL 1000	Agroecology	4
AECL 2100	Integrated Resource Management	3
AGEC 2010	Farm and Ranch Business Records	3
REWM 1000	Intro to Range Management	1

Total Credit Hours: 60

AGRICULTURE-RANGE MANAGEMENT OPTION, AS

Program Description

The goal of the Associate of Science in Agriculture - Animal Science Option, Range Management Option or Meat Science Option is to provide the first step in preparing students for a bachelor's degree. The general studies and program requirements components offer students a broad base of knowledge in English, communication, political science, math, animal science and range management courses required in the first two years of a transfer degree. Program electives allow students to select additional coursework to complement this degree.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/SOC (p. 371). (SOC (p. 371) is in the program)	3 credits
SOC (p. 371)	(in program)
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
CHEM 1000	Intro to Chemistry	4
COMM 2010	Public Speaking	3
ECON 1020	Microeconomics	3
FDSC 1410	Scientific Study of Food	3
	OR	
FDSC 2040	Principles of Meat Animal Evaluation	3
MATH 1400	College Algebra	4
REWM 1300	Intro to Water Resources	3
REWM 2000	Principles of Rangeland Management	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2010	Introduction to Soil Science	4
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Program Electives

Student must choose a minimum of six (6) credits from the following courses:

AECL 1000	Agroecology	4
AECL 2100	Integrated Resource Management	3
AGEC 2010	Farm and Ranch Business Records	3
AGEC 2020	Farm and Ranch Business Management	4
ANSC 1010	Intro to Animal Science	4
ANSC 2020	Feeds and Feeding	4
REWM 1000	Intro to Range Management	1

General Electives (4 credits)

Total Credit Hours: 60

ANIMAL SCIENCE-MEAT SCIENCE OPTION, AS

Program Description

The Associate of Science in Agriculture - Animal Science Option, Range Management Option or Meat Science Option prepares the student for a bachelor's degree in Agriculture. Program electives allow the student to select additional coursework to complement this degree.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/SOC (p. 371). (SOC (p. 371) is in the program)	3 credits
SOC (p. 371)	(in program)
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

AGEC 2020	Farm and Ranch Business Management	4
ANSC 1010	Intro to Animal Science	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
CHEM 1000	Intro to Chemistry	4
COMM 2010	Public Speaking	3
ECON 1020	Microeconomics	3
FDSC 1410	Scientific Study of Food	3

FDSC 1500	Beef Fabrication	1 - 3
FDSC 1510	Livestock Harvest	3
FDSC 2040	Principles of Meat Animal Evaluation	3
MATH 1400	College Algebra	4
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Program Electives

Student must choose a minimum of four (4) credits from the following courses:

AECL 1000	Agroecology	4
AGEC 2010	Farm and Ranch Business Records	3
ANSC 2020	Feeds and Feeding	4
REWM 1000	Intro to Range Management	1

Total Credit Hours: 65

COMMUNITY FOOD SYSTEMS CERTIFICATE II

Program description

The Community Food Systems Certificate II is designed to provide the student with small-scale, diversified fruit and vegetable production skills, as well as the ability to explain how small farms are integrated into the broader local food and agriculture system.

Program Requirements

Course Requirements

AECL 1970	Crop Production Practicum 1	3
AECL 1971	Crop Production Practicum II	3
AECL 1972	Crop Production Practicum III	3

Students must choose a minimum of nine (9) credits from the following prefixes: AECL, AGRI, ANSC, CROP, FDSC, REWM, SOIL

Total Credit Hours: 18

EQUINE STUDIES

Central Wyoming College offers a variety of Equine Studies programs, ranging from an Associate of Applied Science degree in Equine Management to an Associate of Science Degree in Equine Science. There are also certificate II's offered in Equine Training, Horse Management, Farrier Science and Teaching Riding.

EQUINE MANAGEMENT: TRAINING OPTION, AAS

Program Description

The Associate of Applied Science in Equine Management: Training Option Degree is a hands-on degree designed to provide the student with training skills and techniques necessary for employment in the equine industry. The student will investigate small business practices, advertising, and sales. Program electives allow the student to select additional equine courses to complement their specific interests. The student must supply a horse and western tack for this program.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 373).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 373)/SOC (p. 371)/WR2 (p. 371)	6 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

ANSC 1030	Equine Management	3
BADM 2105	Small Business Management	3
EQST 1510	Equine Nutrition	3
EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 2600	Horse Showmanship I	3
EQST 2615	Stock Horse Use & Showing I	3
EQST 2625	Stock Horse Use & Showing II	3

Choose three (3) credits of any MKT:

MKT 1000	Sales	3
MKT 2010	Problems in Marketing	3
MKT 3050	Social Media Marketing	3
MKT 3210	Principles of Marketing	3

Program Electives

Choose twelve (12) credits from the following:

EQST 1600	Training the Barrel Horse	3
EQST 1601	Horse Event Production	2 - 4
EQST 1605	Equine Facility Mgmt I	3
EQST 1670	Training the Roping Horse I	3
EQST 2210	CHA Standard Certification	3
EQST 2705	CHA Equine Facility Mgt Certification	3
EQST 2720	Training the Cutting Horse I	3
EQST 2725	Training the Cutting Horse II	3
EQST 2800	Fundamentals of Teaching Riding I	3
EQST 2815	Fundamentals of Teaching Riding II	3

Total Credit Hours: 61

EQUINE MANAGEMENT: TEACHING RIDING OPTION CERTIFICATE I

Program Description

Equine Management: Teaching Riding Option Certificate I is designed to provide the student with a desire to become a riding instructor with safe and effective teaching riding skills for both individual and group riding lessons. The student will have the opportunity to become a certified riding instructor, through a certification process conducted by professionals from the Certified Horsemanship Association (CHA). The student will also investigate small business practices. The student must supply a horse and western tack for this program.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 2800	Fundamentals of Teaching Riding I	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 2210	CHA Standard Certification	3
EQST 2600	Horse Showmanship I	3

Total Credit Hours: 31

EQUINE MANAGEMENT: TRAINING OPTION CERTIFICATE I

Program Description

Equine Management: Training Option Certificate I is designed to provide the student with beginning skills and techniques necessary for employment in the equine industry. The student will also investigate small business practices. the student must supply a horse and western tack for this program.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

ANSC 1030	Equine Management	3
EQST 1510	Equine Nutrition	3
EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 2600	Horse Showmanship I	3

Total Credit Hours: 31

EQUINE SCIENCE, AS

Program Description

The goal of the Associate of Science in Equine Science Degree is to provide the first step in preparing students for a bachelor's degree in equine science at a four-year institution. The general studies and program requirement components offer students a broad base of knowledge in English, communication, political science, economics, horse production, equine nutrition, horsemanship, and horse training. Program electives allow students to select additional equine courses to complement their specific interests.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC. (SOC is in the program)	3 credits
SOC	(in program)
LSCI	(in program)
MATH	(in program)
ORAL	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ANSC 1030	Equine Management	3
BIOL 1010	General Biology I	4
BIOL 2022	Animal Biology	4
CHEM 1000	Intro to Chemistry	4
COMM 2010	Public Speaking	3
ECON 1010	Macroeconomics	3
	OR	
ECON 1020	Microeconomics	3
EQST 1510	Equine Nutrition	3
EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
MATH 1400	College Algebra	4
STAT 2050	Fundamentals of Statistics	4

Program Electives

Take a minimum of six (6) credits from the following:

EQST 1600	Training the Barrel Horse	3
EQST 1601	Horse Event Production	2 - 4

EQST 1605	Equine Facility Mgmt I	3
EQST 1670	Training the Roping Horse I	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 2210	CHA Standard Certification	3
EQST 2600	Horse Showmanship I	3
EQST 2615	Stock Horse Use & Showing I	3
EQST 2625	Stock Horse Use & Showing II	3
EQST 2705	CHA Equine Facility Mgt Certification	3
EQST 2720	Training the Cutting Horse I	3
EQST 2725	Training the Cutting Horse II	3
EQST 2800	Fundamentals of Teaching Riding I	3

General Electives (3 credits)

Total Credit Hours: 60

EQUINE TRAINING ADVANCED CERTIFICATE

Program Description

The Equine Training Advanced Certificate is designed to meet the needs of the student interested in developing the skills necessary to become a horse trainer who can safely and effectively start young horses. Successful graduates of the program will be prepared to start their own training business or will be prepared to find employment with an established professional trainer. The student will need to provide a 2 to 3-year-old horse that has little prior handling. Working with young horses is a challenge, due to the unpredictable nature of horses, and requires the successful student to be physically, mentally, and emotionally fit. The student will be directly assessed on their ability to apply acquired training techniques by demonstrating their competency, mastery, and positive progression through the training and development of their young horse.

Program Requirements

Course Requirements

EQST 3600	Training and Development of the Young Horse I	6
EQST 3605	Training and Development of the Young Horse II	6

Program Electives

Student should choose six credits from the following:

Program Electives 3000 - 4000 Upper Level - 6 credits

Total Credit Hours: 18

EQUINE TRAINING CERTIFICATE II

Program Description

Equine Training Technology is a Certificate II designed to provide the student with beginning skills and techniques necessary for employment in the equine industry. The student must supply a horse and western tack for this program.

Program Requirements

Course Requirements

EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 2600	Horse Showmanship I	3

Program Electives

Take four (4) courses from the following:

EQST 1600	Training the Barrel Horse	3
EQST 1605	Equine Facility Mgmt I	3
EQST 1670	Training the Roping Horse I	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 2615	Stock Horse Use & Showing I	3
EQST 2625	Stock Horse Use & Showing II	3
EQST 2720	Training the Cutting Horse I	3
EQST 2725	Training the Cutting Horse II	3

Total Credit Hours: 21

FARRIER SCIENCE CERTIFICATE II

Program Requirements

The following course or courses are required to fulfill a farrier science certificate II.

EQST 1805	Farrier Science I	3
EQST 1810	Farrier Science II	3
EQST 1811	Farrier Science III	3

Total Credit Hours: 9

TEACHING RIDING CERTIFICATE II

Program Description

The Certificate II in Teaching Riding is designed to provide the student with a desire to become a riding instructor with safe and effective teaching riding skills for both individual and group riding lessons. The student will have the opportunity to become a certified riding instructor, through a certification process conducted by professionals from the Certified Horsemanship Association (CHA). The student must supply a horse and western tack for this program.

Program Requirements

Course Requirements

EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 2800	Fundamentals of Teaching Riding I	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 2600	Horse Showmanship I	3
EQST 2210	CHA Standard Certification	3

Total Credit Hours: 21

FARM AND RANCH RESOURCE MANAGEMENT, AAS

Program Description

This program is designed to prepare the student for farm and ranch management skills and integrate these skills into the day-to-day farming and ranching practices.

General courses are designed to develop critical and creative thinking, computation, communication skills and basic technology skills utilized in the farm and ranch industry.

The student will develop basic analytical skills for livestock production, livestock nutritional requirements, meat processing and evaluation, grazing and forage management, crop rotation, strategic planning, analyzing financial feasibility, cash flow, marketing and human resource management strategies that are essential to manage or operate a farm or ranch business.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2110	Quickbooks Accounting	2
	OR	
AGEC 2010	Farm and Ranch Business Records	3
AECL 1000	Agroecology	4
AECL 2100	Integrated Resource Management	3
AGEC 2020	Farm and Ranch Business Management	4
ANSC 1010	Intro to Animal Science	4
ANSC 2020	Feeds and Feeding	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
CMAP 1200	Computer Information Systems	3
	OR	
CMAP 1765	Spreadsheet Applications:	3
ECON 1020	Microeconomics	3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
	OR	
BADM 1000	Introduction to Business	3
FDSC 2040	Principles of Meat Animal Evaluation	3
REWM 1300	Intro to Water Resources	3
REWM 2000	Principles of Rangeland Management	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2010	Introduction to Soil Science	4

CMAP 1765: Advanced level CMAP 1200

Program Electives

Students are required to take a minimum of three (3) credits from the following program electives:

AGEC 2010	Farm and Ranch Business Records	3
BADM 2105	Small Business Management	3
	OR	
ENTR 1525	ENTR II: Opportunity Analysis	3
BIOL 1010	General Biology I	4
	OR	
BIOL 1020	Life Science	4
CHEM 1000	Intro to Chemistry	4
CPED 1000	Co-Op Work Experience I:	3
ECON 1010	Macroeconomics	3
REWM 1000	Intro to Range Management	1

Total Credit Hours: 66

FARM AND RANCH RESOURCE MANAGEMENT CERTIFICATE I

Program Description

The Farm and Ranch Resource Management Certificate I is designed to provide the student with basic farm and ranch management skills. The general education requirements are designed to encourage the student to develop computation and communication skills utilized in the farm and ranch industry.

The certificate is designed to prepare the student to develop basic analytical skills for livestock production, meat science, livestock nutritional requirements, grazing and forage management, crop rotation, strategic planning, and analyzing financial feasibility.

General Education Requirements

Writing level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2110	Quickbooks Accounting	2
	OR	
AGEC 2010	Farm and Ranch Business Records	3
AECL 1000	Agroecology	4
AECL 2100	Integrated Resource Management	3

AGEC 2020	Farm and Ranch Business Management	4
ANSC 1010	Intro to Animal Science	4
ANSC 2020	Feeds and Feeding	4
CMAP 1200	Computer Information Systems	3
	OR	
CMAP 1765	Spreadsheet Applications:	3
FDSC 2040	Principles of Meat Animal Evaluation	3
REWM 2000	Principles of Rangeland Management	3
REWM 2500	Rangeland Plant Identification	2

Total Credit Hours: 43

FARM AND RANCH MANAGEMENT CERTIFICATE II

Program Description

The Farm and Ranch Management Certificate II is designed to provide the student with basic farm and ranch management skills.

Program Requirements

Students are required to choose a minimum of 20 credits from the following course prefixes:
ACCT/AECL/AGEC/ANSC/FDSC/REWM/SOIL/WELD

Total Credit Hours: 20

MEAT PROCESSING CERTIFICATE II

Program Description

The Meat Processing Certificate II is designed to provide training for the student who wants a job in the meat fabrication industry or to learn how to safely process meat. The student will learn about food safety, harvesting and fabrication of beef, swine, sheep/goat, poultry, and wild game animals.

Program Requirements

Course Requirements

FDSC 1410	Scientific Study of Food	3
FDSC 1510	Livestock Harvest	3

Students must choose a minimum nine (9) credits from the following list of courses.

FDSC 1500	Beef Fabrication	1 - 3
FDSC 1501	Pork Fabrication	1 - 3
FDSC 1502	Lamb Fabrication	1 - 3
FDSC 1504	Poultry Slaughter and Fabrication	1 - 3
FDSC 1580	Wild Game Processing	1 - 3

Total Credit Hours: 15

REGENERATIVE FOOD SYSTEMS, AAS

Program Description

In the Regenerative Food Systems program, the student will develop the skills necessary to operate a small, diversified fruit and vegetable farm. Focusing on environmentally sound crop production practices, business skills, economic viability, and social responsibility, this program prepares the student to run their own farm business or be employed in a variety of positions focusing on soil health, horticulture, and food security.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	6 credits
UNST	1 credits

Program Requirements

Course Requirements

AECL 1000	Agroecology	4
AECL 1970	Crop Production Practicum 1	3
AECL 1971	Crop Production Practicum II	3
AECL 1972	Crop Production Practicum III	3
AECL 2100	Integrated Resource Management	3
AECL 2140	Food, Ethics, and Sustainability	3
AGRI 2030	Contemporary Growing Systems	3
ANSC 1010	Intro to Animal Science	4
CROP 2150	Pest Identification and Management	3
FDSC 1410	Scientific Study of Food	3
HORT 2025	Horticultural Science	4
SOIL 2010	Introduction to Soil Science	4

Choose a minimum of three (3) credits from the MKT course prefix

Program Electives

Students must choose a minimum of three (3) credits from the following course prefixes: AGEC, ANSC, BIOL, FDSC, REWM

Total Credit Hours: 62

SMALL-SCALE FARM MANAGEMENT CERTIFICATE II

Program description

The Small-Scale Farm Management Certificate II is designed to provide the student with small-scale, diversified fruit and vegetable production skills, as well as skills in business management to prepare the student to launch their own small-scale farm business.

Program Requirements

Course Requirements

AECL 1970	Crop Production Practicum 1	3
AECL 1971	Crop Production Practicum II	3
AECL 1972	Crop Production Practicum III	3

Students must choose a minimum of 9 credits from the following prefixes: ACCT, AECL, AGEC, BADM, ENTR, MKT, REWM

Total Credit Hours: 18

Business and Entrepreneurship

ACCOUNTING, AS

Program Description

The Associate of Science in Accounting is designed to provide the student with a solid foundation in accounting principles, financial practices, and business fundamentals. This program prepares the student for entry-level positions in accounting or to continue their education toward a bachelor's degree in accounting or related fields.

Special Note: Any student planning to transfer to the University of Wyoming for an Accounting BS should select the Business Administration AS as their program/major for full transfer and articulation.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	(in program)
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC. (SOC is in the program)	3 credits
SOC	(in program)
LSCI	4 credits
MATH	(in program)
ORAL	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2020	Principles of Accounting II	3
ACCT 2230	Intermediate Accounting I	3
ACCT 2450	Cost Accounting	3
BADM 1020	Business Communications	3
COMM 2010	Public Speaking	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
IMGT 2400	Intro to Information Management	3
MATH 1400	College Algebra	4
MATH 2350	Business Calculus	4
MATH 2355	Mathematical Applications for Business	4
BADM 2010	Legal Environment of Business	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

MATH 1400: Students placing into MATH 2350 Business Calculus are NOT required to take MATH 1400.

Total Credit Hours: 61

ACCOUNTING–BOOKKEEPING CERTIFICATE I

Program Description

This accounting program provides both practical and theoretical preparation for clerical positions.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2110	Quickbooks Accounting	2
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMAP 1765	Spreadsheet Applications:	3
BADM 1000	Introduction to Business	3

CMAP 1765: Students who have limited or no computer experience, must take CMAP 1200.

Program Electives

Student must complete nine (9) additional credits of advisor approved courses from the following:

ACCT, BADM, CMAP, COMM, ECON, ENTR, MGT, MKT

Total Credit Hours: 31

ACCOUNTING–CAREER, AAS

Program Description

The Applied Associate of Science (AAS) in Accounting-Career is a hands-on, career-focused program designed to equip the student with practical accounting skills for immediate employment in the workforce. The student will develop a strong foundation of accounting principles, financial practices, and business fundamentals. This program emphasizes real-world applications of accounting principles to prepare the student for entry-level accounting positions.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2020	Principles of Accounting II	3
ACCT 2110	Quickbooks Accounting	2
ACCT 2230	Intermediate Accounting I	3
ACCT 2430	Income Tax	3
ACCT 2450	Cost Accounting	3
BADM 1000	Introduction to Business	3
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
BADM 2010	Legal Environment of Business	3
CMAP 1765	Spreadsheet Applications:	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3
PFDV 1500	Managing Career Development	3

CMAP 1765: Students who have limited or no computer experience must take CMAP 1200 as a general elective.

General Electives (5 credits)

Total Credit Hours: 60

ADMINISTRATIVE ASSISTANT, AAS

Program Description

The Associate of Applied Science degree in Administrative Assistant prepares the student for immediate employment as a key support personnel in an office environment. This role involves handling administrative tasks, managing communications, and assisting with various office functions to support the team's productivity and organizational goals. The student will have the opportunity to earn industry-recognized certifications in some program courses.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2110	Quickbooks Accounting	2
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMAP 1615	Operating Systems:	3
CMAP 1715	Word Processing Applications:	3
CMAP 1765	Spreadsheet Applications:	3
COMM 2130	Human Relations	3
FIN 1000	Personal Finance	3
IMGT 2400	Intro to Information Management	3
MGT 3110	Business Ethics	3
PFDV 1500	Managing Career Development	3

CMAP 1715: Students who have limited or no computer experience must take CMAP 1200 before enrolling in CMAP 1715.

CMAP 1765 and CMAP 1715 can be used as an IT general education course ONLY in this program as they are higher level knowledge courses than CMAP 1200.

Choose 1 of the following courses

BADM 2010	Legal Environment of Business	3
COMM 1030	Interpersonal Communication	3
COMM 2010	Public Speaking	3
COMM 2110	Nonverbal Communication	3

Program Electives

Courses selected from the following program electives must be approved by major academic advisor:

ACCT, BADM, COMM, ECON, FIN, MDIA, MGT, MKT	14

Total Credit Hours: 60

ADMINISTRATIVE ASSISTANT CERTIFICATE I

Program Description

The Administrative Assistant Certificate I is a 30-credit curriculum designed to equip the student with essential skills for careers in administrative and office support roles. This program combines practical coursework with hands-on training in key administrative functions including business communication, office technology, and organizational skills tailored to meet the demands of today's workplaces.

General Education Requirements

Writing Level I (WR1 (p. 371))/ORAL (p. 371)	3 credits
MATH/APPM/LSCI	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMAP 1615	Operating Systems:	3
CMAP 1715	Word Processing Applications:	3
CMAP 1765	Spreadsheet Applications:	3
IMGT 2400	Intro to Information Management	3

Program Electives

Courses selected from the following program electives must be approved by major academic advisor:

	ACCT, BADM, COMM, FIN, MGT, PFDV	8

Total Credit Hours: 30

ADMINISTRATIVE ASSISTANT CERTIFICATE II

Program Description

The Administrative Assistant Certificate II is a focused, skill-building program designed to enhance computer proficiency for those pursuing careers in office and administrative support roles. This certificate emphasizes core computer skills that are essential in today's workplace, providing training on industry-standard software and digital tools used for efficient office management.

Subtotal: 15

Program Requirements

Course Requirements

CMAP 1200	Computer Information Systems	3
	OR	
CMAP 1715	Word Processing Applications:	3
	OR	
CMAP 1765	Spreadsheet Applications:	3
	OR	
IMGT 2400	Intro to Information Management	3
CMAP 1615	Operating Systems:	3
ENGL 1010	English Composition I	3

Courses selected from the following program electives must be approved by major academic advisor:

	ACCT, BADM, CMAP, COMM, IMGT	6

Total Credit Hours: 15

BUSINESS ADMINISTRATION, AS

Program Description

An Associate of Science in Business Administration prepares the student interested in pursuing a four-year degree with a solid foundation in business principles, management practices, and operational strategies. Prior to pursuing a four-year degree, individuals will enhance their skill set for advancement in their current positions based upon the broad education they receive in management, marketing, finance, economics, statistics and accounting, along with general education courses.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	(in program)
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC. (SOC is in the program)	3 credits
SOC	(in program)
LSCI	4 credits
MATH	(in program)
ORAL	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2020	Principles of Accounting II	3
BADM 1020	Business Communications	3
BADM 2010	Legal Environment of Business	3
COMM 2010	Public Speaking	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
IMGT 2400	Intro to Information Management	3
MATH 1400	College Algebra	4
MATH 2350	Business Calculus	4
MATH 2355	Mathematical Applications for Business	4
MGT 3210	Management and Organization	3
MKT 3210	Principles of Marketing	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

MATH 1400: Students placing into MATH 2350 Business Calculus are NOT required to take MATH 1400 but must take an additional 4 credits.

Total Credit Hours: 61

BUSINESS, AA

Program Description

An Associate of Arts in Business is a degree designed to provide foundational knowledge and skills relevant to various business environments. The student will explore the different functional areas of the business world including accounting, economics, ethics, management, and marketing to make a more informed career choice.

The goal of this program is for the student to build a strong business foundation which enables them to pursue a four-year degree. The curriculum will also enhance skills and competencies in current jobs, and assist in career advancement opportunities. The student is encouraged to enroll in this degree to gain a broad understanding of business principles, including management, marketing, finance, and accounting, along with general education courses.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	(in program)
American Wyoming Government (POLS 1000)	3 credits
ARTS	3 credits
HUM	3 credits
LSCI	4 credits
MATH	(in program)
ORAL	3 credits
SOC	(in program)
UNST	1 credits

Program Requirements

Course Requirements

BADM 1020	Business Communications	3
ACCT 2010	Principles of Accounting I	4
ACCT 2020	Principles of Accounting II	3
ECON 1010	Macroeconomics	3
FIN 1000	Personal Finance	3
MATH 1400	College Algebra	4
MGT 3210	Management and Organization	3
MKT 3210	Principles of Marketing	3

Program Electives

Students must choose a minimum of nine (9) credits from the following list of program electives:

BADM 2010	Legal Environment of Business	3
BADM 2105	Small Business Management	3
BUSN 2000	Intro to International Business	3
ECON 1020	Microeconomics	3
IMGT 2400	Intro to Information Management	3
MATH 2350	Business Calculus	4

MATH 2355	Mathematical Applications for Business	4
MGT 3110	Business Ethics	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

General Electives (5 credits)

BUSINESS, AAS

Program Description

An Associate of Applied Science (AAS) in Business prepares individuals for practical and applied roles in business operations and management. Upon graduation, the student will be equipped for positions that involve overseeing day-to-day operations, managing teams, and implementing business strategies for existing or new businesses. Critical skills developed will include coordinating the various aspects of business operations to ensure efficiency and effectiveness.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2020	Principles of Accounting II	3
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
BADM 2010	Legal Environment of Business	3
COMM 2130	Human Relations	3
ECON 1010	Macroeconomics	3
	OR	
ECON 1020	Microeconomics	3
IMGT 2400	Intro to Information Management	3
MGT 3110	Business Ethics	3
MGT 3210	Management and Organization	3

Management Option

BADM 2105	Small Business Management	3
	OR	
ENTR 4050	Entrepreneurship Essentials	4
FIN 1000	Personal Finance	3
MGT 3415	Applied Human Resources Management	3
MKT 3210	Principles of Marketing	3

Program Electives

The student must choose a minimum of 10 Program Electives with the assistance of faculty advisor.

	ACCT, BADM, ECON, ENTR, FIN, IMGT, MDIA, MGT, MKT	10

Total Credit Hours: 60

ENTREPRENEURSHIP, AAS

Program Description

The Associate of Applied Science (AAS) Degree in Entrepreneurship is crafted for the student with a natural drive and passion for business, and offers a strong foundation in the entrepreneurial mindset. This program empowers future business owners to develop, launch, grow, and sustain successful ventures. It's also ideal for the current entrepreneur seeking to sharpen their business acumen by exploring new opportunities, managing risks, and evolving their existing operations. With a focus on fostering an entrepreneurial mindset, identifying and assessing business opportunities, securing funding, and strategic planning, this degree equips the student with essential skills to thrive in the dynamic world of entrepreneurship.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Except for BADM 1005, BADM 1020, CMAP 1200, ENGL 2002, and FIN 1000, the courses listed below may be substituted for courses listed in program requirements:

ENTR 1590	Entrepreneurial Leadership I	1
ENTR 2510	ENTR III: Financing Your Business	3
ENTR 2520	Legal Issues for Entrepreneurs	3
ENTR 2535	ENTR IV: Strategic Planning	3
ENTR 2590	Entrepreneurial Leadership II	1
MKT 1510	Entrepreneurial Marketing	3

Course Requirements

ACCT 2010	Principles of Accounting I	4
ACCT 2110	Quickbooks Accounting	2
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
BADM 2010	Legal Environment of Business	3
BADM 2105	Small Business Management	3
	OR	
ENTR 4050	Entrepreneurship Essentials	4
CMAP 1200	Computer Information Systems	3
COMM 2130	Human Relations	3
COMM 4050	Communication and Conflict	3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
FIN 1000	Personal Finance	3
MGT 3110	Business Ethics	3
MGT 3415	Applied Human Resources Management	3
MKT 1000	Sales	3
MKT 3210	Principles of Marketing	3

General Electives (8 credits) **Total Credit Hours: 60**

ENTREPRENEURSHIP CERTIFICATE I

Program Description

The Entrepreneurship Certificate I program is designed for students who exhibit entrepreneurial potential and interest in exploring the entrepreneurial mindset. The focus is on developing an entrepreneurial mindset, evaluating and investigating business opportunities, financing a business, and strategic planning. The general education requirements are designed to encourage students to develop computational and communication skills used in the entrepreneurial world.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ACCT 2010	Principles of Accounting I	4
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
	OR	
ENGL 2002	Technical Writing	3

BADM 2010	Legal Environment of Business	3
BADM 2105	Small Business Management	3
CMAP 1200	Computer Information Systems	3
ENTR 1501	Survey of Entrepreneurship	1 - 3
FIN 1000	Personal Finance	3
COMM 2130	Human Relations	3
	OR	
COMM 4050	Communication and Conflict	3
	OR	
MGT 2130	Human Relations	3
MGT 3415	Applied Human Resources Management	3
MKT 1000	Sales	3

Except for BADM 1005, BADM 1020, ENGL 2002 and FIN 1000, the courses listed below may be substituted for courses listed in program requirement:

ENTR 1590	Entrepreneurial Leadership I	1
ENTR 2510	ENTR III: Financing Your Business	3
ENTR 2520	Legal Issues for Entrepreneurs	3
ENTR 2535	ENTR IV: Strategic Planning	3
ENTR 2590	Entrepreneurial Leadership II	1
MKT 1510	Entrepreneurial Marketing	3

Total Credit Hours: 38

ENTREPRENEURSHIP CERTIFICATE II

Program Description

The Entrepreneurship Certificate II program is designed for students who exhibit entrepreneurial potential and interest in exploring the entrepreneurial mindset. The focus is on developing an entrepreneurial mindset, evaluating and investigating business opportunities, financing a business, and strategic planning.

Program Requirements

Students must select eighteen (18) credits from the following course listed below:

ENTR 1501	Survey of Entrepreneurship	1 - 3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
ENTR 1525	ENTR II: Opportunity Analysis	3
ENTR 2510	ENTR III: Financing Your Business	3
ENTR 2520	Legal Issues for Entrepreneurs	3
ENTR 2535	ENTR IV: Strategic Planning	3
MKT 1000	Sales	3
	OR	
MKT 1510	Entrepreneurial Marketing	3

Total Credit Hours: 18

LEADERSHIP STUDIES CERTIFICATE II

Program Description

The Leadership Studies certificate program is designed to provide the student with a comprehensive understanding of leadership styles, and how leadership models have evolved over time. The student will gain in-depth insight into how their own leadership style has been influenced by their environment and also by psychological factors they were likely ingrained with from birth. The student will then study the foundational principles of effective leadership: how to create and communicate an organizational vision, inspire others to follow, develop trust, and obtain desired results. Through the practicum, the student will apply the knowledge gained in previous courses and receive feedback on progress.

Program Requirements

Course Requirements

LEAD 3110	Foundations of Leadership	3
MGT 3010	Personal Leadership	3
LEAD 4005	Leading Others	3
MGT 4400	Leadership Practicum	2

Total Credit Hours: 11

MICROSOFT OFFICE SPECIALIST

See: Office Specialist Certificate II or Office Support Certificate I

Behavioral and Social Sciences

CRIMINAL JUSTICE, AA

Program Description

The Criminal Justice AA program is interdisciplinary and provides the student with a comprehensive understanding of the criminal justice system including components such as law enforcement, courts, and corrections. The student will also explore the theories relating to criminal behavior, legal procedures, and laws involved in the investigation and prosecution of crimes. The program prepares the student either for moving forward with additional academic studies or for careers in various aspects of the justice system such as policing, corrections, probation, family services, or victim advocacy.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	(in program)
American Wyoming Government (POLS 1000)	3 credits
ARTS	3 credits
HUM	3 credits
LSCI	4 credits
MATH	3 credits
ORAL	3 credits
SOC	3 credits
UNST	1 credits

Program Requirements

Course Requirements

CRMJ 1020	Intro to Policing	3
CRMJ 2100	Politics and Judicial Process	3
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2210	Criminal Law	3
CRMJ 2280	Criminal Procedure	3
CRMJ 2350	Intro to Corrections	3
CRMJ 2400	Criminology	3
CRMJ 2465	Research Methods in Criminal Justice	3

Program Electives

CRMJ & HSEC Program Electives

Student must take nine (9) credits of courses from the CRMJ or HSEC prefix, of which no more than six (6) credits come from HSEC courses.

	Additional CRMJ and HSEC courses	9

General Electives (1 credit)

Total Credit Hours: 60

CRIMINAL JUSTICE, AAS

Program Description

The changing complexity of the criminal justice field has created a demand for personnel with a strong foundation and education in the field. The Criminal Justice Associate of Applied Science Program is designed to meet the needs of pre-service and in-service criminal justice employees to obtain a foundational educational experience. The program provides a blend of core criminal justice classes and general education courses. The program prepares the student for entry level positions in criminal justice and/or for pursuit of the Bachelor of Applied Science (Organizational Management and Leadership: Criminal Justice Leadership).

Alternately, the Associate of Arts (AA) Program fulfills the initial two-year curriculum for many four-year Bachelor of Arts criminal justice programs.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	6 credits
UNST	1 credits

Program Requirements

Course Requirements

CRMJ 1020	Intro to Policing	3
	OR	
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 1170	Law Enforcement/Ethics,justice	3
CRMJ 2000	Court Testimony and Report Writing	3
CRMJ 2130	Criminal Investigation I	3
	Additional CRMJ and HSEC courses	9
	Additional CRMJ courses	24

Total Credit Hours: 61

CRIMINAL JUSTICE CERT I - CORRECTIONS OPTION

Program Description

The Criminal Justice Certificate I, Corrections Option, is designed to meet the needs of the student interested in corrections and law enforcement. The magnitude and changing complexity of the criminal justice system, criminal activities, and corrections systems in our society dictate the need for criminal justice personnel that think critically and are empowered to make ethical decisions. The program provides a blend of core criminal justice classes and general education courses. The program prepares the student for positions in corrections and for completion of an AAS in Criminal Justice.

The Criminal Justice Certificate I, Corrections Option, is tailored to support careers in the criminal justice field.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

CRMJ 1170	Law Enforcement/Ethics,justice	3
CRMJ 2010	Use of Force	3
CRMJ 2350	Intro to Corrections	3
CRMJ 2365	Community Based Corrections	3
	Additional CRMJ courses	12

Total Credit Hours: 31

CRIMINAL JUSTICE CERT I - LAW ENFORCEMENT OPTION

Program Description

The Criminal Justice Certificate I, Law Enforcement Option, is designed to meet the needs of the student interested in law enforcement. The magnitude and changing complexity of the criminal justice system and criminal activities in our society dictate the need for criminal justice personnel that think critically and are empowered to make ethical decisions. The program provides a blend of core criminal justice classes and general education courses. The program prepares the student for positions in today's complex law enforcement field and for completion of an AAS in Criminal Justice.

The Criminal Justice Certificate I, Law Enforcement Option, is tailored to support careers in the criminal justice field.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

CRMJ 1170	Law Enforcement/Ethics,justice	3
CRMJ 2010	Use of Force	3
CRMJ 2130	Criminal Investigation I	3
CRMJ 2420	Juvenile Justice	3
	Additional CRMJ courses	12

Total Credit Hours: 31

CRIMINAL JUSTICE CERTIFICATE II

Program Description

The Criminal Justice Certificate II is designed to meet the needs of the student interested in the field of criminal justice and law enforcement. The magnitude and changing complexity of the criminal justice system and criminal activities in society require the foundational education provided in this certificate program to empower those in or entering the profession to respond to the changing demands on the criminal justice and law enforcement professional. The program provides a blend of core criminal justice classes. The program prepares the student in and for entry-level positions in today's complex law enforcement environment and for completion of a Certificate I and/or an AAS in Criminal Justice.

Program Requirements

Course Requirements

CRMJ 1020	Intro to Policing	3
CRMJ 2000	Court Testimony and Report Writing	3
CRMJ 2135	Criminal Investigation II	3
	Additional CRMJ courses	6

Total Credit Hours: 15

LAW ENFORCEMENT LEADERSHIP ADVANCED CERTIFICATE

Program Description

The Law Enforcement Leadership Advanced Certificate is designed to meet the needs of the student interested in developing the skills necessary to be a leader and advance their career in law enforcement or the criminal justice system. The magnitude and changing complexity of the criminal justice system coupled with the need for professional and informed leadership to effectively respond to community concerns and address criminal activity in our society dictate the need for strong and skilled leadership. This program is designed to empower leaders within the criminal justice and law enforcement profession to think critically, to approach situations analytically, and to make ethical decisions. The Law Enforcement Leadership Advanced Certificate is focused on preparing the student for today's complex law enforcement field.

Program Requirements

Course Requirements

CRMJ 3030	Liability and Risk Management	3
CRMJ 3100	Politics of Law Enforcement	3
CRMJ 4010	Community Policing and Public Trust	3
CRMJ 4030	Crisis Communication and Public Relations	3
CRMJ 4130	Leadership and Management in the Criminal Justice System	3

Total Credit Hours: 15

NATIVE AMERICAN INDIGENOUS STUDIES, AA

Program Description

Courses in Native American Indigenous Studies (NAIS) are open to all students, as partial fulfillment of general education requirements, as elective courses or as a program of study leading to the Associate of Arts Degree. The NAIS program strives for an academically sound evaluation of the history and cultures of the Native peoples of the North American continent. Particular emphasis is placed on the tribes of the Wind River Reservation.

Central Wyoming College recognizes that the Northern Arapaho and Eastern Shoshone elders represent the wisdom of the past. Their knowledge of the tribal traditions should nurture the student who seeks not only education but also wholeness through preparation for the future and respect for the past. The NAIS program is a tool for that preparation and an affirmation of that respect. The program also offers the student the unique opportunity to learn in the classroom about tribal cultures firsthand in the Wind River area.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	3 credits
HUM (p. 371)	3 credits
LSCI (p. 371)	4 credits
MATH (p. 371)	3 credits
ORAL (p. 371)	(in program)
SOC (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

ARAP 1010	Arapaho I	4
	OR	
SHOS 1010	Shoshone Language I	4
COMM 2010	Public Speaking	3
HIST 1270	Indians of the Wind River	3
	OR	
NAIS 2000	Indians of the Wind River	3
NAIS 1350	American Indians in Contemporary Society	3
NAIS 2100	Nation Building Leadership & Gvrnc	3
NAIS 2350	Cultural Institute	3
NAIS 3300	Federal Indian Law	3
NAIS 4340	Natural Resource Management on Western Reservations	3

Program Electives

Choose six (6) credits from any department.

	Program Electives	6

General Electives (6 credits)

Total Credit Hours: 60

PRE-LEGAL STUDIES, AA

Program Description

The Pre-Legal Studies AA is a multi-disciplinary program designed for the student interested in a career in the legal profession. The student will develop an understanding of the law and justice system, social and cultural influences or economics, and English language comprehension and usage. The Pre-Legal Studies program will prepare the student for careers in the legal and justice systems: legal assistant, court services, law enforcement, or victim and family services. The rigor of the program also prepares the student for continued education including the challenges of pursuing a bachelor's degree and ultimately a juris doctorate.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	(in program)
American Wyoming Government (POLS 1000)	3 credits
ARTS *	3 credits
HUM *	3 credits
LSCI	4 credits
MATH *	3 credits
ORAL *	3 credits
SOC	(in program)
UNST	1 credits

*Math 1000 Problem Solving or MATH 1400 College Algebra
*COMM 1030 Interpersonal Communication is recommended for transfer to UW
*Consider ENGL 2050 Creative Writing for ARTS for transfer to UW
*Consider MGT 3110 Business Ethics for HUM for transfer to UW

Program Requirements

Course Requirements

ANTH 1200	Introduction to Cultural Anthropology	3
	OR	
ECON 1020	Microeconomics	3
BADM 2010	Legal Environment of Business	3
CRMJ 2100	Politics and Judicial Process	3
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2210	Criminal Law	3
CRMJ 2230	Law of Evidence	3
CRMJ 2280	Criminal Procedure	3
CRMJ 2400	Criminology	3
CRMJ 2465	Research Methods in Criminal Justice	3
NAIS 3300	Federal Indian Law	3
SOC 1000	Sociological Principles	3

Program Electives

Students should choose one of the following 4 credit Statistics classes

STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Total Credit Hours: 60

PSYCHOLOGY, AA

Program Description

The Psychology AA prepares students to transfer to a baccalaureate program in psychology, social work, human services, and other social sciences. Students develop knowledge, skills, and abilities in the science of psychology, including understanding human behavior and internal mental processes. Psychology is a field with broad and diverse career opportunities, including psychotherapy, counseling, social work, case management, addictions treatment, criminal justice, health, education, and research.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	3 credits
HUM (p. 371)	3 credits
LSCI (p. 371)	(in program)
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
PSYC 1000	General Psychology	4
PSYC 2000	Research Psychological Methods	4
PSYC 2080	Biological Psychology	3
	OR	
PSYC 2210	Drugs and Behavior	3
PSYC 2130	APA Writing Style	1
PSYC 2300	Psychology of Child Development	3
PSYC 2340	Psychopathology	3
PSYC 2380	Social Psychology	3

STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

STAT 2070: Recommended

Program Electives

Student must choose six (6) credits from the following courses:

ANTH 1100	Introduction to Biological Anthropology	3
ANTH 1200	Introduction to Cultural Anthropology	3
CNSL 2300	Counseling for Helping Professional	3
CNSL 2330	Counseling Diverse Populations	3
CNSL 2340	Theories of Counseling	3
PSYC 1XXX	Any 1000 Level PSYC course(s)	1
PSYC 2XXX	Any 2000 Level PSYC course(s)	3
PSYC 3110	Cross Cultural Psychology	3
PSYC 3200	Industrial Organizational Psychology	3
SOC 1000	Sociological Principles	3
SOWK 2000	Introduction to Social Work	3

General Electives

General Electives - 3

Total Credit Hours: 60

SOCIAL SCIENCE

See: Meta Major: Social Science, AA

SOCIAL WORK, AA

Program description

The Social Work Associate of Arts program provides an introduction to social work and human service fields. This program is designed for the student interested in pursuing and transferring into a four-year degree program in social work. The Social Work AA should fulfill the first two-year requirements for most bachelor-level programs in social work. The student will develop skills necessary for entry-level employment opportunities in daycare centers, mental-health centers, school systems, long-term and acute-care facilities, chemical-dependency centers, and centers for the developmentally disabled.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS	3 credits
HUM	3 credits
LSCI	(in program)
MATH*	3 credits
ORAL	3 credits
SOC	(in program)
UNST	1 credits

*MATH 1000 or MATH 1400 Preferred

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
ECON 1010	Macroeconomics	3
PSYC 1000	General Psychology	4
PSYC 2130	APA Writing Style	1
SOC 1000	Sociological Principles	3
SOWK 2000	Introduction to Social Work	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4
ZOO 1200	Human Biology	3
	OR	
ZOO 2015	Human Anatomy	4

Program Electives

Student to choose a minimum of thirteen (13) credits from courses in the following Prefixes/Courses:

CNSL, EDFD, HMSV, PSYC, SOC, SOWK

Total Credit Hours: 60

SOCIAL WORK ADDICTION OPTION, AAS

Program Description

The Social Work Addictions Option is for those individuals interested in pursuing a career in the addictions field. The program is designed to prepare the student with the skills necessary to obtain their Certified Addictions Practitioner Assistant (CAPA) certification. The student who completes this option and obtains CAPA certification may work within inpatient or outpatient drug or alcohol treatment programs, detoxification centers, and drug court programs. The student is required to pass a criminal background check and drug screen to be eligible for practicum experiences.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Course Requirements

CNSL 2100	Case Management in Counseling	3
CNSL 2300	Counseling for Helping Professional	3
CNSL 2310	Introduction to Group Counseling	3
CNSL 2320	Addictions Assessment	3
CNSL 2330	Counseling Diverse Populations	3
CNSL 2340	Theories of Counseling	3
COMM 1030	Interpersonal Communication	3
HMSV 2130	Understanding the Addiction Process	3
PSYC 1000	General Psychology	4
PSYC 2210	Drugs and Behavior	3
SOWK 1460	Social Work Field Experience I	4
SOWK 2405	Ethics for the Social Work Profession	3
SOWK 2460	Social Work Field Experience II	4
SOWK 2461	Social Work Field Experience III	4

CNSL 2320: It is recommended that students take HMSV 2130 prior or concurrently with this class.

SOWK 1460, SOWK 2460, SOWK 2461: Must be at approved addiction sites.

General Electives (4 credits)

Total Credit Hours: 60

TRIBAL HISTORIC PRESERVATION OFFICER, AAS

Program Description

The Tribal Historic Preservation Officer AAS is intended to provide a culturally and academically sound program to train highly skilled professionals working for the Northern Arapaho and Eastern Shoshone Tribal Historic Preservation Offices. The student will assist in the preservation of historic and important cultural properties and artifacts. Observational and technical skills utilized by professional archaeologists are taught in order to ensure accurate site surveys and culturally-sensitive treatment of artifacts and properties. The student will professionally communicate the results of the site survey.

General Education Requirements

Writing Level I (WR1)	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ANTH 2010	Cultural Resources Field School	3
ANTH 2010	Cultural Resources Field School	3
ANTH 2010	Cultural Resources Field School	3
ART 2145	Digital Photography I	3
BIOL 1010	General Biology I	4
	OR	
BIOL 1080	Intro to Environmental Science	4
CMAP 1200	Computer Information Systems	3
COMM 2010	Public Speaking	3
ENGL 2002	Technical Writing	3
GIST 2135	Applied GPS for GIS	3
GIST 2310	Intro to Geographic Information Systems	4
HLED 2010	Wilderness First Responder	4
MATH 1000	Problem Solving	3
NAIS 2060	Topics:	1 - 3
NAIS 2060	Topics:	1 - 3
NAIS 3300	Federal Indian Law	3
NAIS 4340	Natural Resource Management on Western Reservations	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2010	Introduction to Soil Science	4

Total Credit Hours: 64

TRIBAL HISTORIC PRESERVATION OFFICER CERTIFICATE I

Program Description

The Tribal Historic Preservation Officer Certificate I is intended to provide a culturally and academically sound program to train mid-level professionals working for the Northern Arapaho and Eastern Shoshone Tribal Historic Preservation Offices. The student will assist in the preservation of historic and important cultural properties and artifacts. Observational and technical skills utilized by professional archaeologists are taught to ensure accurate site surveys and culturally-sensitive treatment of artifacts and properties. The student will professionally communicate the site survey results.

General Education Requirements

Writing Level I (WR1)/ORAL	(in program)
MATH/APPM/LSCI	(in program)
UNST	(in program)

Program Requirements

Course Requirements

ANTH 2010	Cultural Resources Field School	3
ANTH 2010	Cultural Resources Field School	3
BIOL 1020	Life Science	4
	OR	
BIOL 1080	Intro to Environmental Science	4
CMAP 1200	Computer Information Systems	3
ENGL 1010	English Composition I	3
GIST 2135	Applied GPS for GIS	3
GIST 2310	Intro to Geographic Information Systems	4
MATH 1000	Problem Solving	3
NAIS 2060	Topics:	1 - 3
NAIS 2060	Topics:	1 - 3
NAIS 3300	Federal Indian Law	3
REWM 2500	Rangeland Plant Identification	2
UNST 1005	Student Success Course	1

Total Credit Hours: 38

TRIBAL HISTORIC PRESERVATION OFFICER CERTIFICATE II

Program Description

The Tribal Historical Preservation Officer Certificate II is intended to provide a culturally and academically sound program to train entry-level professionals working for the Northern Arapaho and Eastern Shoshone Tribal Historic Preservation Offices. The student will assist in the preservation of important historic and cultural properties and artifacts. Observational and technical skills utilized by professional archaeologists are taught in order to ensure accurate site surveys and appropriate culturally-sensitive treatment of artifacts and properties. The student will communicate the site survey results through written reports and oral presentations.

Program Requirements

Course Requirements

ANTH 2010	Cultural Resources Field School	3
CMAP 1200	Computer Information Systems	3
ENGL 1010	English Composition I	3
GIST 2135	Applied GPS for GIS	3
NAIS 2060	Topics:	1 - 3
NAIS 2060	Topics:	1 - 3
UNST 1005	Student Success Course	1

Total Credit Hours: 15

TRIBAL LEADERSHIP ADVANCED CERTIFICATE

Program Description

The Tribal Leadership Advanced Certificate is designed to meet the education needs of the student interested in further developing the skills necessary to be a leader in tribal organizations. The changing complexity of tribal governments and associated organizations necessitate the need for insightful and skilled leadership. This program is designed to develop leaders who think critically, approach situations analytically, and make ethical decisions. The Tribal Leadership Advanced Certificate is focused on preparing the tribal leader of tomorrow.

Program Requirements

Course Requirements

NAIS 4400	Tribal Leadership Practicum	3
	Choose nine (9) credits from the following 3000-4000 Upper Level NAIS Courses	9
NAIS 3300	Federal Indian Law	3
NAIS 4100	Tribal Government	3
NAIS 4110	Educational Foundations in American Indian Education	3
NAIS 4340	Natural Resource Management on Western Reservations	3

Program Electives

Student should choose six credits from the following:

	Program Electives 3000-4000 Upper Level	6

Total Credit Hours: 18

SOCIAL SCIENCES, AA

Program Description

The Associate of Arts in Social Sciences is a transfer degree designed for the student interested in one or more of the Social Sciences. This multi-disciplinary program provides a strong introduction to core social sciences and related areas. The highly flexible curriculum benefits from a wide range of courses in American Indian Studies, Anthropology, Economics, Criminal Justice, Geography, History, Homeland Security, Political Science, Psychology, Religion, and Sociology. The student may focus on an area or choose courses from multiple areas of interest.

The Social Sciences AA at Central Wyoming College is closely aligned with the Social Sciences program at the University of Wyoming and is a good choice for the student planning to continue studying in one or more of the Social Sciences at UW or any other four-year institution. It is possible to complete the Social Sciences AA on campus, entirely online, or through a combination of classroom and distance courses.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
ARTS	3 credits
HUM	(in program)
LSCI	4 credits
MATH	3 credits
ORAL	3 credits
SOC	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ANTH 1200	Introduction to Cultural Anthropology	3
CRMJ 2120	Intro to Criminal Justice	3
ECON 1010	Macroeconomics	3
HUMN 2430	World Religions	3
	OR	
RELI 2225	History of Christianity	3
	OR	
RELI 2320	History of Islam	3
NAIS 1350	American Indians in Contemporary Society	3
PSYC 1000	General Psychology	4
SOC 1000	Sociological Principles	3

Program Electives

Student must choose twelve (12) additional credits from the following list:

ANTH 1300	Intro to Archaeology	3
CMAP 1200	Computer Information Systems	3
CRMJ 2100	Politics and Judicial Process	3
CRMJ 2210	Criminal Law	3
CRMJ 2350	Intro to Corrections	3
CRMJ 2400	Criminology	3
CRMJ 2420	Juvenile Justice	3
ECON 1020	Microeconomics	3
GEOG 1000	World Regional Geography	3
GEOG 1020	Intro to Human Geography	3
HIST XXXX	Any History Course	
HUMN 2430	World Religions	3
NAIS XXXX	Any Native American and Indigenous Studies Course	
PHIL 1000	Intro to Philosophy	3
POLS XXXX	Any Political Science Course	
PSYC XXXX	Any Psychology Courses	
RELI XXXX	Any Religion Courses	
SOC 1100	Social Problems	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

CMAP 1200: Students who have limited or no computer experience must take CMAP 1200.

General Electives (3 credits)

Total Credit Hours: 60

Career and Technical

AUTOMOTIVE TECHNOLOGY GENERAL OPTION, AAS

Program Description

The Associate of Applied Science degree in Automotive Technology is designed for the student who has minimal experience and knowledge of automotive technology.

The general education requirements are designed to encourage the student to develop critical and creative thinking, computation, communication skills, and technological literacy. The program requirements provide the student with the prerequisite coursework that is required for the student to successfully complete the Automotive Technology Associate of Applied Science degree.

The student will perform diagnostic techniques, service, and repair of automobiles and pickup trucks. Classroom work involves reviewing general principles and specific product information. Laboratory work emphasizes a hands-on orientation with extensive training on vehicles. Courses are designed to address the ever-changing technical developments in the automotive industry which includes computerized electronic control systems, development of the student's diagnostic capabilities, and proficiency with recommended service procedures. Proper repair procedures, theory of operation, customer service, and suggested business practices are emphasized in the curriculum.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ORAL (p. 371)	(in program)
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/SOC (p. 371)/WR2 (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

AUTO 1500	Basic Automotive Mechanics	4
AUTO 1510	Engine Systems Fundamentals	4
AUTO 1690	Manual Power Train Fundamentals	6
AUTO 1730	Automatic Transmissions	4
AUTO 1740	Brake Systems	4
AUTO 1760	Heating and Air Conditioning	4
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4
AUTO 2510	Engine Performance I	4
AUTO 2520	Engine Performance II	4
AUTO 2550	Automotive Alignment and Suspension	4
COMM 1030	Interpersonal Communication	3
MATH 1500	Applied Math	3

Total Credit Hours: 62

AUTOMOTIVE TECHNOLOGY GENERAL OPTION CERTIFICATE I

Program Description

The certificate I program in Automotive Technology is designed for the student who has had no previous coursework or work experience in the automotive field.

The general education requirements are designed to encourage the student to develop computation and communication skills. The program requirements provide the student with the prerequisite coursework that is required to successfully complete the Automotive Technology certificate degree.

Automotive Technology is a field of study in which the student is taught diagnostic techniques, service, and repair of automobiles and pick-ups. Classroom work involves knowledge of general principles, as well as specific product information. Laboratory work emphasizes a hands-on orientation with extensive training on vehicles. Courses are designed to address the ever-changing technical developments in the automotive industry which includes computerized electronic control systems, development of the student's diagnostic capabilities, and proficiency with recommended service procedures.

General Education Requirements

Writing Level I (WR1)	3 credits
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

AUTO 1500	Basic Automotive Mechanics	4
AUTO 1740	Brake Systems	4
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4
MATH 1500	Applied Math	3

Program Option Requirements

Students must choose a minimum of 7 credits from the following:

AUTO 1510	Engine Systems Fundamentals	4
AUTO 1600	Fuel Systems I	3
AUTO 1760	Heating and Air Conditioning	4
AUTO 2550	Automotive Alignment and Suspension	4

Total Credit Hours: 30

AUTO TECHNOLOGY CERTIFICATE II

Program Requirements

To receive a Certificate II, the student must take eighteen (18) credits of AUTO courses in consultation with his or her advisor.

	AUTO*	18

** Depending upon automotive experience, student may be required to take AUTO-1765, Automotive Electrical Systems and PRSP 1500, Basic Auto Terms and Concepts. AUTO 2800-Problems in Automotive Technology does not apply toward the certificate.*

Total Credit Hours: 18

CONSTRUCTION TECHNOLOGY CERTIFICATE II

Program Requirements

Course Requirements

CNTK 1510	Safety and Tools in Construction	3

Students must choose a minimum of 12 program elective credits from any courses with the following designators or with faculty advisor approval: CNTK and FMT

Total Credit Hours: 15

COSMETOLOGY, AAS

Program Description

The field of Cosmetology encompasses a broad range of specialty areas including; hairstyling, nail technology and esthetics. The Associate of Applied Science Degree in Cosmetology is designed to prepare the student with the knowledge and the manipulative skills in hair, nails and skin care.

The program emphasizes safety and infection control in all aspects of the various disciplines. The student will also study the professional skills needed to communicate effectively and make sound decisions. The program prepares the student to take the licensure exam through the Wyoming State Board of Cosmetology. Completion of this program does not guarantee licensure.

Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Cosmetology program; application to the program is a separate objective process.

General Education Requirements

American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)

General Education credits each of ORAL (p. 371), IT (p. 371), and ART are embedded in various Program Required courses.

Program Requirement

Course Requirements

BADM 2105	Small Business Management	3
CSMO 1500	Intro to Nail Technology	3
CSMO 1505	Nail Technology Lab	3
CSMO 1600	Intro to Skin Technology	3
CSMO 1605	Skin Technology Lab	2
CSMO 1610	Esthetics Concepts	3
CSMO 1620	Esthetics Concepts Lab	2
CSMO 1700	Intro to Hair Technology	3
CSMO 1701	Orientation to Cosmetology	2
CSMO 1702	Infection Control and Sci Standards	4
CSMO 1705	Hair Fundamentals	4
CSMO 1730	Cosmetology Lab I	3

CSMO 1735	Cosmetology Lab II	3
CSMO 1790	Clinical Applications III	6
CSMO 1795	Clinical Applications IV	4
CSMO 1800	Clinical Applications V	6
CSMO 1876	Advanced Cosmetology Assessment	4
MATH 1500	Applied Math	3

Total Credit Hours: 64

COSMETOLOGY CERTIFICATES

BARBERING CROSSOVER CERTIFICATE II

Program Description

The field of Barbering encompasses a broad range of specialty areas including esthetics, straight razor shaving, and precision haircutting with a razor. The Certificate II in Barbering Crossover is designed to prepare the licensed Cosmetologist or Hair Technician with the knowledge and the skills needed in hair and skin care. The program emphasizes safety and infection control in all aspects of the various disciplines. The program prepares the student to take the licensure exam through the Wyoming State Board of Barbering.

Completion of this program does not guarantee licensure. Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Barbering Crossover program; application to the program is a separate objective process.

Program Requirements

Course Requirements

BARB 1526	Barbering Fundamentals I Crossover	2
BARB 1530	Barbering Hair Fundamentals II	4
BARB 1675	Barbering Assessment	2

Total Credit Hours: 8

BARBERING NO CHEMICALS CERTIFICATE I

Program Description

The field of Barbering encompasses a broad range of specialty areas including esthetics, straight razor shaving, and precision haircutting with a razor. The Certificate I in Barbering No Chemicals is designed to prepare the student with the knowledge and skills needed in hair and skin care to exclude chemical services. The program emphasizes safety and infection control in all aspects of the various disciplines. The student will also study professional skills to communicate effectively and make sound decisions. The program prepares the student to take the licensure exam through the Wyoming State Board of Barbering. Completion of this program does not guarantee licensure.

Applicants must meet the general admission requirements of Central Wyoming College and the Wyoming Board of Barbering Examiners.

General Education Requirements

MATH/APPM/LSCI	(in program)

General Education credits each of UNST and WR1/ORAL are embedded in Program Required courses.

Program Requirements

Course Requirements

BARB 1502	Orientation for Barbering	2
BARB 1504	Barber Clinical Applications I	6
BARB 1508	Barbering Clinical Applications II	6
BARB 1520	Barber Shop Management and Business	3
BARB 1525	Barbering Hair Fundamentals I	4
BARB 1530	Barbering Hair Fundamentals II	4
BARB 1550	General Science of Barbering	4
BARB 1625	Techniques in Barbering	4
BARB 1675	Barbering Assessment	2
MATH 1500	Applied Math	3

Total Credit Hours: 35

BARBERING STYLIST CERTIFICATE I

Program Description

The field of Barbering encompasses a broad range of specialty areas including esthetics, straight razor shaving, and precision haircutting with a razor. The Barbering Stylist Certificate I is designed to prepare the student with the knowledge and the skills needed for hair and skin care. The program emphasizes safety and infection control in all aspects of the various disciplines. The student will also study professional skills to communicate effectively and make sound decisions. Completion of the program prepares the student to take the licensure exam through the Wyoming State Board of Barbering. Completion of this program does not guarantee licensure. Applicants must meet the general admission requirements of Central Wyoming College and the State of Wyoming Board of Barbering Examiners.

General Education Requirements

MATH/APPM/LSCI	(in program)

General Education credits each of UNST and WR1/ORAL are embedded in Program Required courses.

Program Requirements

Course Requirements

BARB 1502	Orientation for Barbering	2
BARB 1504	Barber Clinical Applications I	6
BARB 1508	Barbering Clinical Applications II	6
BARB 1510	Chemical Lab for Barbers	6
BARB 1520	Barber Shop Management and Business	3
BARB 1525	Barbering Hair Fundamentals I	4
BARB 1530	Barbering Hair Fundamentals II	4
BARB 1550	General Science of Barbering	4

BARB 1615	Theory of Chemicals	3
BARB 1625	Techniques in Barbering	4
BARB 1675	Barbering Assessment	2
MATH 1500	Applied Math	3

Total Credit Hours: 47

ESTHETICIAN CERTIFICATE I

Program Description

The Esthetician Certificate program focuses on the care, health and beauty of the face. The student studies the various skin types, disorders, infection control, and how general nutrition impacts skin health. The student is given the opportunity to become proficient in the use of electrotherapy, and light therapy within the skin area. The student will apply facial treatments, facial massage, the use of cosmetics, and skin care products. This program prepares the student to take the licensure exam from the Wyoming Board of Cosmetology. Completion of this program does not guarantee licensure.

Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Esthetician program; application to the program is a separate objective process.

General Education Requirements

General Education credits each of WR1/ORAL, APPM, and UNST are embedded in various Program Required courses.

Program Requirements

Course Requirements

BADM 2105	Small Business Management	3
CSMO 1600	Intro to Skin Technology	3
CSMO 1605	Skin Technology Lab	2
CSMO 1610	Esthetics Concepts	3
CSMO 1620	Esthetics Concepts Lab	2
CSMO 1675	Esthetics Assessment	2
CSMO 1701	Orientation to Cosmetology	2
CSMO 1702	Infection Control and Sci Standards	4
CSMO 1790	Clinical Applications III	6
MATH 1500	Applied Math	3

Total Credit Hours: 30

HAIR TECHNICIAN CERTIFICATE I

Program Description

The student will apply the elements and principles of design to select, adapt, and execute hairstyles that are desirable to the client. Topics also include the application of chemical treatments, texturing, extensions, and examining how various hair types respond to styling practices. Completion of the program prepares the student to take the licensure exam from the Wyoming Board of Cosmetology. Completion of this program does not guarantee licensure. Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Hair Technician program; application to the program is a separate objective process.

Program Requirements

Course Requirements

CSMO 1700	Intro to Hair Technology	3
CSMO 1701	Orientation to Cosmetology	2
CSMO 1702	Infection Control and Sci Standards	4
CSMO 1705	Hair Fundamentals	4
CSMO 1730	Cosmetology Lab I	3
CSMO 1735	Cosmetology Lab II	3
CSMO 1775	Hair Technician Assessment	2
CSMO 1790	Clinical Applications III	6
CSMO 1800	Clinical Applications V	6
MATH 1500	Applied Math	3

Total Credit Hours: 36

COSMETOLOGY INSTRUCTOR CERTIFICATE II

Program Description

The Cosmetology Instructor program encompasses any of the programs that prepare cosmetologists, barbers, hairstylists, nail technicians, and estheticians to teach their specializations in licensed and accredited schools of cosmetology and barbering. These programs include courses in cosmetology arts and sciences teaching principles; student learning styles; professional curricula development; instructional planning; instructional methods and aids; student counseling and career assistance; test development; and classroom/clinic management.

This program prepares students to take the licensure exam from the Wyoming State Board of Cosmetology. Completion of this program does not guarantee licensure. Students must have a current Wyoming license in cosmetology or related field, and have practiced cosmetology for a minimum of 50 weeks of full-time hours within the last five years immediately preceding enrollment.

Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Cosmetology Instructor program; application to the program is a separate objective process.

Program Requirements

Course Requirements

CSMO 2500	General Professional Standards I	3
CSMO 2505	Science of Teaching I	3
CSMO 2510	General Professional Standards II	3
CSMO 2515	Student Supervision	4
CSMO 2520	Instructor Assessment	1
CSMO 2525	Science of Teaching II	3
CSMO 2530	Instruction in the Lab	4
CSMO 2535	Infection & Regulations Review	1

Total Credit Hours: 22

NAIL TECHNICIAN CERTIFICATE II

Program Description

The Nail Technician Certificate II is designed to prepare the student for positions in the nail technician industry. The student will study comprehensive nail treatments including manicures, pedicures, hand, arm, foot, and leg massage. The student will also study proper cleaning, disinfection, and other skills for ensuring client safety during nail procedures. Completion of this program prepares the student to take the licensure exam from the Wyoming State Board of Cosmetology. Completion of this program does not guarantee licensure. Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Nail Technician program; application to the program is a separate objective process.

Program Requirements

Course Requirements

CSMO 1500	Intro to Nail Technology	3
CSMO 1505	Nail Technology Lab	3
CSMO 1575	Nail Technician Assessment	1
CSMO 1701	Orientation to Cosmetology	2
CSMO 1702	Infection Control and Sci Standards	4
CSMO 1790	Clinical Applications III	6
CSMO 1795	Clinical Applications IV	4

Total Credit Hours: 23

CULINARY ARTS, AAS

Program Description

The Associate of Applied Science degree in Culinary Arts is designed to prepare graduates for a myriad of mid-level positions within the culinary and hospitality industry. The unique curriculum combines full-length semester courses and condensed courses to provide the student with a dynamic learning experience.

The general education prerequisites encourage the student to develop analytical and critical thinking skills, experience in computation and business management, and practice in communication and human relations that are widely applicable across the industry.

The core culinary courses emphasize practical learning through hands-on classes that provide the student with the fundamental skills to cook professionally, be familiar with extensive styles and types of foods, experience working in a commercial kitchen, and understand the rich histories and diverse operations of the service trades.

The student is encouraged to enroll in work internships within the local industry to enhance their culinary training, expose them to various aspects of business, and forge relationships with peers and employers. Upon program completion, the student will possess the essential knowledge, specific certifications, technical skills, and necessary experience to pursue diverse career paths.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	6 credits
UNST	1 credits

Program Requirements

Course Requirements

BADM 1005	Business Math I	3
	OR	
MATH 1000	Problem Solving	3
CPED 1000	Co-Op Work Experience I:	3
CPED 2000	Co-Op Work Experience II	3
CULA 1145	Introduction to Culinary Nutrition	2
CULA 1515	Basic Culinary Skills	3
CULA 1600	Garde Manger	3
CULA 2700	Baking	4
CULA 2800	Meat Prep and Cooking	4
HRM 1505	Sanitation	3
HRM 1510	Dining Rooms Management and Food Del	3
HRM 1515	Planning and Control Food and Beverage Ops	3

HRM 2525	Wine Production, Service and Appreciation	3
MGT 3415	Applied Human Resources Management	3
MGT 3110	Business Ethics	3

Program Electives

Student must complete seven (7) credits from the following list of courses:

CMAP 1200	Computer Information Systems	3
CULA 2900	Fish and Shellfish Prep and Cooking	3
FDSC 1410	Scientific Study of Food	3
HRM 1500	Intro to the Hospitality Industry	3
HRM 1501	Lodging Management / Front Office Procedures	3
HRM 2530	Beverage Management	3
IMGT 2400	Intro to Information Management	3
MKT 1000	Sales	3
MKT 3050	Social Media Marketing	3
MKT 3210	Principles of Marketing	3

Total Credit Hours: 60

CULINARY ARTS CERTIFICATE I

Program Description

The Culinary Arts Certificate I Program is designed to prepare students for entry level positions in a variety of food service settings within the hospitality industry. The general education prerequisites are designed to encourage students to develop critical and creative thinking, computation skills, and basic technical skills utilized in the culinary industry.

The unique condensed curriculum is offered in the off-season months of Oct/Nov and Apr/May, and is intended to provide practical skills that are essential for a successful career in the culinary industry. The extensive seasonal internship provided by Jackson resorts in the winter months is designed to offer training in resort kitchens in order to provide career paths for graduates.

Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the culinary arts program; application to the program is a separate objective process. Admission for all students is dependent upon available space and resources. The application deadline is March 1 of each year for admission in the fall semester.

To be a successful employee of the culinary arts/hospitality industry, an individual must have a passion for cooking, be dependable, possess an aptitude for servicing guests, and enjoy working in a team environment. An individual choosing a career in the culinary/hospitality industry must display a positive attitude toward the profession and customers, possess excellent physical and mental stamina, and be dedicated to quality.

General Education Requirements

Writing Level I (WR1 (p. 371))/ORAL (p. 371)	(in program)
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BADM 1005	Business Math I	3
	OR	
MATH 1000	Problem Solving	3
BADM 1020	Business Communications	3
	OR	
ENGL 1020	English Composition II	3
ENGL 1010	English Composition I	3
COMM 2130	Human Relations	3
CPED 1000	Co-Op Work Experience I:	3
CULA 1515	Basic Culinary Skills	3
CULA 2700	Baking	4
HRM 1505	Sanitation	3
HRM 1515	Planning and Control Food and Beverage Ops	3
POLS 1000	American and Wyoming Government	3

Total Credit Hours: 32

ELECTRICAL APPRENTICESHIP CERTIFICATE II

Program Description

The Electrical Apprenticeship Certificate II program meets the related apprenticeship training requirements for the State of Wyoming, Department of Fire Prevention & Electrical Safety. In order to earn this certificate, students must complete all eight required courses in the series. This program provides fundamental instruction in electrical principals, training in the National Electrical Code (NFPA 70), and prepares students to take the Licensed Journeyman Electrical test.

Program Requirements

Course Requirements

ELAP 1515	Electrical Apprenticeship 1A	2
ELAP 1525	Electrical Apprenticeship 1B	2
ELAP 1535	Electrical Apprenticeship 2A	4
ELAP 1545	Electrical Apprenticeship 2B	3
ELAP 1555	Electrical Apprenticeship 3A	4
ELAP 1565	Electrical Apprenticeship 3B	4
ELAP 1575	Electrical Apprenticeship 4A	3
ELAP 1585	Electrical Apprenticeship 4B	4

Total Credit Hours: 26

HOTEL AND RESTAURANT MANAGEMENT, AAS

Program Description

The Associate of Applied Science Degree in Hotel and Restaurant Management is designed to prepare the graduate for mid-level management positions in a variety of settings within the hospitality industry. The general education prerequisites are designed to encourage students to develop critical and creative thinking, computation, communication skills, and basic technical skills utilized in the hospitality industry.

The unique condensed curriculum is offered in the off-season months of Oct/Nov and Apr/May, and is intended to provide practical skills essential for a successful career in the hospitality industry. The extensive seasonal internships provided by Jackson resorts in the winter and summer months are designed to offer training in hospitality management in order to provide career paths for graduates.

Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Hotel and Restaurant Management program; application to the program is a separate objective process. Admission for all students is dependent upon available space and resources. The application deadline is March 1 of each year for admission in the fall semester.

To be a successful employee in the hospitality industry, an individual must have a passion for exceptional customer service, be dependable, and enjoy working in a team environment. An individual choosing a career in the hospitality industry must display a positive attitude toward the profession and customers, possess excellent physical and mental stamina, and be dedicated to quality.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMAP 1200	Computer Information Systems	3
COMM 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CPED 1000	Co-Op Work Experience I:	3
CPED 2000	Co-Op Work Experience II	3
CULA 1145	Introduction to Culinary Nutrition	2

CULA 1515	Basic Culinary Skills	3
ECON 1010	Macroeconomics	3
	OR	
ECON 1020	Microeconomics	3
HRM 1501	Lodging Management / Front Office Procedures	3
HRM 1505	Sanitation	3
HRM 1510	Dining Rooms Management and Food Del	3
HRM 1515	Planning and Control Food and Beverage Ops	3
HRM 2506	Sales & Marketing / Hospitality Industry	3
HRM 2515	Human Resource Management/Hospitality	3
HRM 2525	Wine Production, Service and Appreciation	3

Program Electives

Student must choose three (3) credits from the following approved list of courses:

HRM 1500	Intro to the Hospitality Industry	3
HRM 2500	Quantity Food Purchasing	3
HRM 2530	Beverage Management	3

General Electives (3 credits)

Total Credit Hours: 60

HOTEL AND RESTAURANT MANAGEMENT CERTIFICATE I

Program Description

The Hotel and Restaurant Management certificate program prepares students for entry-level management positions in a variety of settings within the hospitality industry. The general education prerequisites are designed to encourage students to develop critical and creative thinking, computation, communication skills, and basic technical skills utilized in the hospitality industry. The unique condensed curriculum is offered in the off-season months of Oct/Nov and Apr/May, and is intended to provide practical skills essential for a successful career in the hospitality industry. The extensive seasonal internships provided by Jackson resorts in the winter and summer months are designed to offer training in hospitality management in order to provide career paths for graduates.

Applicants must meet the general admission requirements of Central Wyoming College. Admission to the college does not guarantee admission to the Hotel and Restaurant Management program; application to the program is a separate objective process. Admission for all students is dependent upon available space and resources. The application deadline is March 1 of each year for admission in the fall semester.

To be a successful employee in the hospitality industry, an individual must have a passion for exceptional customer service, be dependable, and enjoy working in a team environment. An individual choosing a career in the hospitality industry must display a positive attitude toward the profession and customers, possess excellent physical and mental stamina, and be dedicated to quality.

General Education Requirements

Writing Level I (WR1)/ORAL	(in program)
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

ENGL 1010	English Composition I	3
BADM 1005	Business Math I	3
	OR	
MATH 1000	Problem Solving	3
BADM 1020	Business Communications	3
	OR	
ENGL 1020	English Composition II	3
COMM 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CPED 1000	Co-Op Work Experience I:	3
CULA 1515	Basic Culinary Skills	3
HRM 1505	Sanitation	3
HRM 1510	Dining Rooms Management and Food Del	3
HRM 1515	Planning and Control Food and Beverage Ops	3
POLS 1000	American and Wyoming Government	3

Total Credit Hours: 31

HOTEL AND RESTAURANT CERTIFICATE II

Program Description

This certificate prepares the student for entry level positions within the hospitality industry. In addition to an overview of the industry the selected curriculum is designed to offer students insight into the two major aspects of hospitality; the restaurant and hotel experiences. The student completing this certificate will have exposure to the importance of customer service, professionalism and working well with others in the hospitality industry.

Program Requirements

Course Requirements

CULA 1145	Introduction to Culinary Nutrition	2
HRM 1500	Intro to the Hospitality Industry	3
HRM 1501	Lodging Management / Front Office Procedures	3
HRM 1505	Sanitation	3
HRM 1510	Dining Rooms Management and Food Del	3

Total Credit Hours: 14

WELDING, AAS

Program Description

The Welding AAS is designed to provide the student with the skills and knowledge necessary in today's welding industry. To be successful in the welding industry, a person must be able to adapt to work styles that require dependability, attention to detail, and safe practices in the work environment.

The program combines hands-on welding experiences with classroom instruction in commonly used welding processes. Safety is emphasized in all areas of the welding program.

The AAS degree requires the student to complete 60 credits of coursework and features a complete welding curriculum that uses the American Welding Society and the American Petroleum Institute for our acceptance/rejection criteria. Welding processes, including shielded metal arc welding, gas metal arc welding, flux core arc welding, gas tungsten arc welding, and oxyacetylene welding and cutting, are taught with an emphasis on blue-print reading, metallurgy, and weld inspection technology. Hands-on welding performance is required to complete the AAS degree.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL. (IT is in the program)	
ARTS/HUM/IT/ORAL/SOC/WR2	3 credits
UNST	1 credits

Program Requirements

Course Requirements

MATH 1500	Applied Math	3
PFDV 1500	Managing Career Development	3
WELD 1610	Basic GMAW (MIG)	2
WELD 1650	Print Reading and Welding Symbols	3
WELD 1710	Oxyacetylene Welding and Cutting	2
WELD 1750	Basic Shielded Metal Arc Welding	2
WELD 1760	Advanced Shielded Metal Arc Welding	4
WELD 1770	Gas Metal Arc Welding / Flux Cored Arc Welding on Plate	4
WELD 1780	Gas Tungsten Arc Welding on Plate	3
WELD 1860	Welding Fabrication	3
WELD 1935	CNC Plasma Cutting	3
WELD 2510	Pipe Welding 1	4
WELD 2650	Gas Tungsten Arc Welding Pipe	4
WELD 2655	Gas Metal Arc Welding / Flux Cored Arc Welding on Pipe	4
WELD 2670	Welding Inspection Technology	3
WELD 2680	Welding Metallurgy	3

Total Credit Hours: 61

WELDING CERTIFICATE I

Program Description

The Welding Certificate I is designed to provide the student with entry-level skills and knowledge needed in today's welding industry. To be successful in the welding industry, a person must be able to adapt to work styles that require dependability, attention to detail, and safety-consciousness. The certificate combines hands-on welding experiences with classroom instruction in commonly used welding processes. Safety is emphasized in all areas of the welding program.

The certificate requires the student to complete 30 credits of coursework and features a concentrated welding curriculum with emphasis on Oxy-Fuel, Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GMAW), and basic pipe welding.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

WELD 1610	Basic GMAW (MIG)	2
WELD 1650	Print Reading and Welding Symbols	3
WELD 1710	Oxyacetylene Welding and Cutting	2
WELD 1750	Basic Shielded Metal Arc Welding	2
WELD 1760	Advanced Shielded Metal Arc Welding	4
WELD 1770	Gas Metal Arc Welding / Flux Cored Arc Welding on Plate	4
WELD 1935	CNC Plasma Cutting	3
WELD 2680	Welding Metallurgy	3

Total Credit Hours: 31

WELDING CERTIFICATE II

Program Description

The Welding Certificate II combines hands-on welding experiences with classroom instruction in commonly used welding processes. Safety is emphasized in all areas of the welding program. To be successful in the welding industry, the student must be able to adapt to work styles that require dependability, attention to detail, and safety-consciousness.

The Welding Certificate II is designed for the student who has prior welding experience and desires to update their skills. The student is required to complete 14 credits of welding coursework, which may be completed in one semester.

Program Requirements

Course Requirements

WELD XXXX	14

WELD 1975 Independent Study Welding does not apply toward the certificate.

Total Credit Hours: 14

Health Sciences

HEALTH SCIENCE, AS

Program Description

The Health Science AS is designed to allow the student seeking an advanced degree in a healthcare field to transfer to a four-year institution for program completion. The student will have the opportunity to develop a strong curricular foundation in general education and life science courses, while exploring areas of interest through the careful selection of elective courses that fit within a specific career path. With the Health Science AS, the student can narrow their choice in major while developing an educational plan that leads to degree completion.

The CWC nursing student working toward a bachelor's degree in nursing at the University of Wyoming benefits from this program, as does the student interested in a healthcare field who is unsure of a particular area of focus.

The student is strongly encouraged to meet with an advisor when choosing elective courses that will meet degree requirements.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC. (SOC is in the program)	3 credits
LSCI	(in program)
MATH	(in program)
ORAL	3 credits
SOC	(in program)
UNST	(in program)

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
CHEM 1000	Intro to Chemistry	4
	OR	
CHEM 1020	General Chemistry I	4
HLTK 1200	Medical Terminology	3
MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4

MOLB 2210	General Microbiology	4
PSYC 1000	General Psychology	4
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4
UNST 1005	Student Success Course	1
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4

Program Electives

Students must choose a minimum of ten (10) credits from the following list of program electives:

ANTH 1200	Introduction to Cultural Anthropology	3
BIOL 1080	Intro to Environmental Science	4
BIOL 2022	Animal Biology	4
CHEM 1030	General Chemistry II	4
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
FCSC 1140	Nutrition	2
HLED 1221	Standard First Aid and CPR	1
HLTK 1625	AHA BLS for the Provider	0.5
HLTK 1665	Electrocardiography Techniques	1
LEAD 3110	Foundations of Leadership	3
MEDA 1800	Phlebotomy Principles in Practice	3
NRST 1510	Nursing Assistant	4
NRST 1550	Certified Nursing Assistant II	2
NRST 1600	Medication Aide	4
NURS 1400	LPN Transition	2
PHYS 1050	Concepts of Physics	4
PHYS 1110	General Physics I	4
PHYS 1120	General Physics II	4
PSYC 2080	Biological Psychology	3
SOC 1000	Sociological Principles	3
ZOO 2140	Cadaver Anatomy	2

Total Credit Hours: 60

HEALTH SCIENCE CERTIFICATE I

Program Description

The healthcare industry provides a variety of high demand occupations that require a broad range of knowledge, skills and abilities in general education and health science concepts. A Health Science certificate allows the student to complete coursework typically required in most healthcare degrees.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	(in program)
UNST	(in program)

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
CHEM 1000	Intro to Chemistry	4
HLTK 1200	Medical Terminology	3
MATH 1000	Problem Solving	3
PSYC 1000	General Psychology	4
UNST 1005	Student Success Course	1
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4

Total Credit Hours: 30

MEDICAL ASSISTANT CERTIFICATE I

Program Description

The Medical Assistant Certificate Program is designed to prepare the student to work as an essential member of the healthcare team in an outpatient setting. Duties vary depending upon the type of organization and state laws.

Medical assistants perform a combination of clinical procedures and administrative duties while working alongside physicians and other licensed health professionals. The student develops specialized knowledge and skills through classroom instruction and hands-on activities in the campus lab, as well as gaining practical experience providing direct patient care in a clinical environment under the supervision of a preceptor.

The program consists of 33 career-related credits that can be completed in two semesters. Completion of the program qualifies the student to test for industry-recognized certifications, including National Certified Medical Assistant (NCMA) and National Certified Phlebotomy Technician (NCPT). Additionally, the student will earn Basic Life Support Certification through the American Heart Association.

General Education Requirements

Writing Level I (WR1)/ORAL	(in program)
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

BADM 1005	Business Math I	3
	OR	
MATH 1000	Problem Solving	3

COMM 1030	Interpersonal Communication	3
	OR	
COMM 2130	Human Relations	3
HIT 1550	Medical Office Administrative Procedures	3
HLTK 1200	Medical Terminology	3
MEDA 1520	Clinical Role of the Medical Assistant I	3
MEDA 1525	Clinical Role of the Medical Assistant II	3
MEDA 1530	Pharmacology for the Medical Assistant	3
MEDA 1800	Phlebotomy Principles in Practice	3
MEDA 1970	Medical Assistant Practicum	5
ZOO 1200	Human Biology	3
	OR	
ZOO 2015	Human Anatomy	4

Total Credit Hours: 33

MEDICAL ASSISTANT APPRENTICESHIP CERTIFICATE II

Program Description

Apprenticeship is an industry-driven career pathway whereby employers can recruit and develop a highly skilled workforce while providing on-the-job learning experiences for apprentices. The apprentice can advance their career and increase their long-term earning potential, while meeting the growing demand for certified healthcare workers.

The Medical Assistant Apprenticeship Program is a collaboration between Central Wyoming College and the U.S. Department of Labor. Enrolled apprentices complete 20 college credits of career-related online coursework while gaining 2000 hours of employment at a registered healthcare facility providing direct patient care under the guidance of an experienced on-site mentor. The employer is responsible for evaluating technical skills and competencies and maintaining clinical progress records. The online classroom format offers convenience and flexibility, allowing the apprentice to balance work and education. Completion of the program qualifies the apprentice to test for industry certification as a National Certified Medical Assistant (NCMA).

The apprentice must be 18-years of age or older, have a high school diploma or the equivalent, and be continuously employed by a registered apprenticeship sponsor.

Program Requirements

Course Requirements

COMM 1030	Interpersonal Communication	3
	OR	
COMM 2130	Human Relations	3
HIT 1550	Medical Office Administrative Procedures	3
HLTK 1200	Medical Terminology	3
MEDA 1720	Medical Assisting Fundamentals I	4
MEDA 1725	Medical Assisting Fundamentals II	4
ZOO 1200	Human Biology	3

Total Credit Hours: 20

MEDICAL OFFICE SUPPORT CERTIFICATE II

Program Description

A medical office assistant is an administrative professional responsible for providing day-to-day support in a medical front office. Responsibilities include scheduling appointments, greeting patients and collecting the necessary information, processing insurance claims, arranging referrals, maintaining supply inventory, and managing medical records while protecting patient health information.

The medical office support curriculum reflects a blend of specialized training and practical knowledge. The student is introduced to medical practice management software designed to streamline and automate administrative tasks in a healthcare setting. Other key components include medical terminology, medical law and ethics, and professional communication skills. Successful completion qualifies the student to take the National Certified Medical Office Assistant examination for industry-recognized certification.

This certificate provides a smooth path to the medical assistant program for the student wishing to move along a career ladder and earn multiple credentials by completing programs that have overlapping requirements.

Program Requirements

Course Requirements

CMAP 1200	Computer Information Systems	3
COMM 1030	Interpersonal Communication	3
	OR	
COMM 2130	Human Relations	3
HIT 1550	Medical Office Administrative Procedures	3
HLTK 1200	Medical Terminology	3

Total Credit Hours: 12

NURSING, ADN

Program Description

The Central Wyoming College Associate Degree Nursing Program prepares the student to become a competent, compassionate nurse with the theoretical knowledge and clinical skills necessary to provide safe, quality patient care across the lifespan. Ethical and legal standards, development of clinical judgment, and current practice standards are emphasized throughout the four-semester program of study. Clinical experiences in diverse settings are an integral part of the learning process and include direct patient care, high-fidelity simulation, and virtual reality scenarios. Merit-based preceptorships are possible in the final semester of the program.

The 65-credit nursing program qualifies the graduate to take the NCLEX-RN examination for licensure as a registered nurse. In addition, the program is designed to facilitate a smooth transition to the University of Wyoming for completion of an optional bachelor's degree in nursing.

The program is approved by the Wyoming State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing. The Wyoming State Board of Nursing is responsible for the oversight of nursing education and practice in the state. Successful completion of the nursing program does not guarantee professional licensure.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
LSCI/MATH/SOC	(in program)
UNST	1 credits

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
MATH 1000	Problem Solving	3
NURS 1100	Professional Nursing Care in Health Promotion	8
NURS 1110	Pharmacology in Health Promotion	1
NURS 1200	Professional Nursing Care of the Patient w/Chronic Illness	8
NURS 1210	Pharmacology in Chronic Illness	1
NURS 2300	Professional Nursing Care of the Patient w/Acute Illness	8
NURS 2310	Pharmacology in Acute Illness	1
NURS 2400	Professional Nursing Care of the Patient w/Complex Illness	8
NURS 2410	Pharmacology in Complex Illness	1
PSYC 1000	General Psychology	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4

Total Credit Hours: 65

PRE-DENTISTRY

See: Science, AS

PRE-HEALTH PROFESSIONAL

See: Science, AS

PRE-MEDICINE

See: Science, AS

PRE-PHARMACY

See: Science, AS

PRE-VETERINARY

See: Science, AS

Media, Arts and Humanities

ART, AA

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
ARTS	(in program)
HUM	(in program)
LSCI	4 credits
MATH	3 credits
ORAL	3 credits
SOC	3 credits
UNST	1 credits

Program Description

The Art program is designed to let the student develop a creative attitude toward presenting and interpreting valid art forms. Fundamentals are provided through the investigation of various concepts, projects, materials and techniques in both the traditional and contemporary art. Coursework is directed at providing knowledge, interest and the understanding of art as a primary form of visual communication.

A student's program may be designed to reflect a specific interest or direction in art. Through the certificate II option or the transfer program, a student in art may also carry some emphasis in other areas of study. Art coursework is intended to be applicable toward the Bachelor of Arts, Bachelor of Science and Bachelor of Fine Arts degrees at other institutions.

Program Requirements

Course Requirements

ART 1005	Drawing I	3
ART 1110	Foundation - Two Dimensional	3
ART 1120	Foundation - Three Dimensional	3
ART 1130	Foundations: Color Theory	3
ART 2010	Art History I	3
ART 2020	Art History II	3
ART 2141	Professional Practice in the Arts	1
ART 2145	Digital Photography I	3
ART 2310	Sculpture I	3

Program Electives

Student must choose twelve (12) credits from the following courses:

ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1177	Digital Imaging	3

ART 1350	Metal Fabrication	3
ART 2140	Photography III	3
ART 2146	Digital Photography II	3
ART 2150	Color Photography I	3
ART 2177	Digital Imaging II	3
ART 2210	Painting I	3
ART 2220	Painting II	3
ART 2230	Painting III	3
ART 2320	Sculpture II	3
ART 2330	Sculpture III	3
ART 2345	Art Metal Casting	3
ART 2385	Art Glass I	3
ART 2386	Art Glass II	3
ART 2387	Art Glass III	3
ART 2405	Advanced Projects - 2D	3
ART 2406	Advanced Projects - 3D	3
ART 2410	Ceramics I	3
ART 2420	Ceramics II	3
ART 2430	Ceramics III	3

Total Credit Hours: 60

ART CERTIFICATE II'S

TWO-DIMENSIONAL ART CERTIFICATE II

Program Description

The Two-Dimensional Art Certificate II is for the art student who wants to focus only on two-dimensional art courses. Examples include painting, drawing, and photography. The credential does not require any general education requirements.

Program Requirements

Course Requirements

ART 2145	Digital Photography I	3

Program Electives

Student must choose fifteen (15) credits from the following courses:

ART 1005	Drawing I	3
ART 1110	Foundation - Two Dimensional	3
ART 1130	Foundations: Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1177	Digital Imaging	3
ART 2010	Art History I	3
ART 2020	Art History II	3
ART 2140	Photography III	3

ART 2141	Professional Practice in the Arts	1
ART 2146	Digital Photography II	3
ART 2150	Color Photography I	3
ART 2177	Digital Imaging II	3
ART 2210	Painting I	3
ART 2220	Painting II	3
ART 2230	Painting III	3
ART 2405	Advanced Projects - 2D	3

Total Credit Hours: 18

THREE-DIMENSIONAL ART CERTIFICATE II

Program Description

The Three-Dimensional Art Certificate II is for the art student who wants to focus only on three-dimensional art courses. Examples include sculpture, ceramics, and glass. The credential does not require any general education requirements.

Program Requirements

Course Requirements

ART 2145	Digital Photography I	3

Program Electives

Student must choose fifteen (15) credits from the following courses:

ART 1120	Foundation - Three Dimensional	3
ART 1350	Metal Fabrication	3
ART 2010	Art History I	3
ART 2020	Art History II	3
ART 2141	Professional Practice in the Arts	1
ART 2310	Sculpture I	3
ART 2320	Sculpture II	3
ART 2330	Sculpture III	3
ART 2345	Art Metal Casting	3
ART 2385	Art Glass I	3
ART 2386	Art Glass II	3
ART 2387	Art Glass III	3
ART 2406	Advanced Projects - 3D	3
ART 2410	Ceramics I	3
ART 2420	Ceramics II	3
ART 2430	Ceramics III	3

Total Credit Hours: 18

ARTIST CERTIFICATE II

Program Description

The Artist's Certificate is for the art student who wants to focus only on studio art courses. The credential does not require any general education courses.

Program Requirements

Course Requirements

ART 2145	Digital Photography I	3

Program Electives

Student must choose twenty-seven (27) credits from the following courses:

ART 1005	Drawing I	3
ART 1110	Foundation - Two Dimensional	3
ART 1120	Foundation - Three Dimensional	3
ART 1130	Foundations: Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1177	Digital Imaging	3
ART 2010	Art History I	3
ART 2020	Art History II	3
ART 2140	Photography III	3
ART 2141	Professional Practice in the Arts	1
ART 2146	Digital Photography II	3
ART 2150	Color Photography I	3
ART 2177	Digital Imaging II	3
ART 2210	Painting I	3
ART 2220	Painting II	3
ART 2230	Painting III	3
ART 2310	Sculpture I	3
ART 2320	Sculpture II	3
ART 2330	Sculpture III	3
ART 2345	Art Metal Casting	3
ART 2385	Art Glass I	3
ART 2386	Art Glass II	3
ART 2387	Art Glass III	3
ART 2405	Advanced Projects - 2D	3
ART 2406	Advanced Projects - 3D	3
ART 2410	Ceramics I	3
ART 2420	Ceramics II	3
ART 2430	Ceramics III	3

Total Credit Hours: 30

BROADCASTING

See: Film, AA (p. 184) or New Media, AAS

COMMUNICATION, AA

Program Description

The Associate of Arts degree in Communication provides a solid introduction to an extensive field, equipping students with an understanding of communication theory and application. With an associate degree in Communication, students will gain proficiency in a variety of areas, ranging from managing interpersonal relations to understanding the role of media in our society.

Students will learn from courses that will enable them to efficiently navigate through professional, social, and personal circumstances.

In addition to a focus on the art of communication, this program also shines a necessary light on the beauty of differences in humanity. This program is intended as a transfer degree and should complete the first two years of requirements for a 4-year degree in Communication.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II WR2	(in program)
American Wyoming Government (POLS 1000)	3 credits
ARTS	3 credits
HUM	(in program)
LSCI	4 credits
MATH	(in program)
ORAL	(in program)
SOC	(in program)
UNST	1 credits

Program Requirements

Course Requirements

BADM 1020	Business Communications	3
	OR	
ENGL 1020	English Composition II	3
COMM 1030	Interpersonal Communication	3
COMM 1040	Intro to Communication Theory	3
COMM 2010	Public Speaking	3
COMM 2110	Nonverbal Communication	3
COMM 2135	Gender Communication and Culture	3
MDIA 1000	Intro to Mass Media	3

MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4
PSYC 1000	General Psychology	4

Program Electives

Students must take a minimum of nine (9) credits from the following:

COMM, FILM, MDIA, MKT, PSYC or STAT

General Electives (9 credits)

Total Credit Hours: 60

EARLY CHILDHOOD

Two degree programs are offered: 1) AA in Early Childhood Education and 2) AAS in Early Childhood. These programs are designed to qualify students to teach in and/or manage childcare centers, pre-schools, child development centers and other areas dealing with the care of young children ages birth to eight years. They include courses that would enable a student to continue beyond the associate's degree toward a baccalaureate program in elementary education, early childhood education, or child development.

EARLY CHILDHOOD EDUCATION, AA

Program Description

Be prepared to work with infants and children through the age of eight in a variety of settings. Learn how children develop and what their needs are at each stage of their lives. Coursework includes the history of early childhood education, children's literature, how to communicate and form relationships with families and how to develop curriculum. Practice skills learned during field experiences in early childhood settings and be able to utilize those skills in a career.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
ARTS	3 credits
HUM	(in program)
LSCI	4 credits
MATH	3 credits
ORAL	3 credits
SOC	(in program)
UNST	1 credits

Program Requirements

Course Requirements

EDEC 1020	Introduction to Early Childhood Education	3
EDEC 1030	Infant and Toddler Care	2
EDEC 1035	Infant and Toddler Care Lab	1
EDEC 1100	Observation and Guidance of Young Children	3
EDEC 1200	Administration in Early Childhood Education	3
EDEC 1300	Curriculum Planning and Development for Young Children	2
EDEC 1305	Curriculum Planning/Dev Young Child Lab	1
EDEC 2000	Engaging Families in Early Childhood Education Settings	3
EDEC 2200	Early Childhood Practicum	3
EDFD 1101	Intro to Education	2
EDEL 2280	Literature for Children	3
EDEX 2484	Intro to Special Education	3
FCSC 1140	Nutrition	2
ITEC 2360	Teaching and Learning with Educational Technology	3
PSYC 1000	General Psychology	4
PSYC 2300	Psychology of Child Development	3

Current First Aid and Child/Infant CPR Certifications are required at the time of graduation.

Total Credit Hours: 64

EARLY CHILDHOOD, AAS

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL (HUM and SOC are in the program – must complete a WR2 or ORAL).	
ORAL/WR2	3 credits
UNST	1 credits

Program Requirements

Course Requirements

EDEC 1020	Introduction to Early Childhood Education	3
EDEC 1030	Infant and Toddler Care	2
EDEC 1035	Infant and Toddler Care Lab	1
EDEC 1100	Observation and Guidance of Young Children	3
EDEC 1200	Administration in Early Childhood Education	3
EDEC 1300	Curriculum Planning and Development for Young Children	2
EDEC 1305	Curriculum Planning/Dev Young Child Lab	1
EDEC 2000	Engaging Families in Early Childhood Education Settings	3
EDEC 2200	Early Childhood Practicum	3
EDEL 2280	Literature for Children	3
EDEX 2484	Intro to Special Education	3
EDFD 1101	Intro to Education	2
FCSC 1140	Nutrition	2
ITEC 2360	Teaching and Learning with Educational Technology	3
PSYC 1000	General Psychology	4
PSYC 2300	Psychology of Child Development	3

Program Electives

Choose six (6) credits from education courses, selected communication and psychology courses, and others as approved (EDEC, EDUC, EDEL, COMM, EDFD, HLED, ITEC, PSYC)

Current First Aid and Child/Infant CPR Certifications are required at the time of graduation.

Total Credit Hours: 60

EARLY CHILDHOOD ENDORSEMENT CERTIFICATE II

Program Description

Any teacher with a current, valid license in one teaching area may apply to add additional teaching endorsement areas to their license. An applicant may add this endorsement area by completing this approved educator preparation program in the desired teaching field. If the individual does not already hold a teaching endorsement at the grade level(s) of the added endorsement, the program must include student teaching and/or a practicum at the grade level(s) of the added endorsement. The Early Childhood Endorsement Certificate II meets those requirements and has been approved by the Wyoming Professional Teaching Standards Board. The certificate includes instruction in early childhood education, growth and development, guiding children's behavior, planning instruction, and working with families. The student will complete a 12-hour practicum in an early childhood classroom.

Program Requirements

Course Requirements

EDEC 1020	Introduction to Early Childhood Education	3
EDEC 1100	Observation and Guidance of Young Children	3
EDEC 2000	Engaging Families in Early Childhood Education Settings	3
EDEC 2470	Endorsement Practicum	3
EDEC 3220	School Programs for Young Children	3
EDEC 4320	Oral and Written Language Acquisition	3
EDEL 2280	Literature for Children	3
FCSC 2121	Child Development	3

Total Credit Hours: 24

EARLY CHILDHOOD SPECIAL EDUCATION ENDORSEMENT CERTIFICATE II

Program Description

Any teacher with a current, valid license in one teaching area may apply to add additional teaching endorsement areas to their license. An applicant may add this endorsement area by completing this approved educator preparation program in the desired teaching field. If the individual does not already hold a teaching endorsement at the grade level(s) of the added endorsement, the program must include student teaching and/or a practicum at the grade level(s) of the added endorsement. The Early Childhood Special Education Endorsement Certificate II meets those requirements and has been approved by the Wyoming Professional Teaching Standards Board. The certificate includes instruction in special education, planning and developing curriculum for children with special needs, differentiating instruction, working with families, and legal issues in early childhood special education. The student will complete a 45-hour practicum in an early childhood special education classroom.

Program Requirements

Course Requirements

EDCI 4580	Early Childhood Special Education Endorsement Practicum	3
EDEC 4230	Creating Curriculum for Children with Special Needs	3
EDEC 4250	Laws and Litigation in Early Childhood Special Education	2
EDEC 4320	Oral and Written Language Acquisition	3
EDEC 4350	Health Management Issues in Early Education	3

EDEX 2484	Intro to Special Education	3
EDEX 3340	Differentiating Instruction in Diverse Classrooms	3
FCSC 4124	Families of Young Children with Special Needs	3

Total Credit Hours: 23

EDUCATION

The college transfer program in education is designed for prospective teachers in elementary or secondary education. Completing this program will enable students to transfer to a four-year institution to complete their baccalaureate studies in education. The program encompasses content area, educational foundations, technology, and practicum courses.

ELEMENTARY EDUCATION, AA

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	3 credits
HUM (p. 371)	(in program)
LSCI (p. 371)	(in program)
MATH (p. 371)*	(in program)
ORAL (p. 371)	(in program)
SOC (p. 371)	(in program)
UNST (p. 371)	1 credits

* MATH (p. 371) 1400 highly recommended and required if going out of state

Program Requirements

Course Requirements

COMM 2010	Public Speaking	3
EDEC 1020	Introduction to Early Childhood Education	3
EDEL 2140	Teaching Literacy in the Elem School	3
EDEX 2484	Intro to Special Education	3
EDFD 1101	Intro to Education	2
EDFD 2020	Foundations of Education	3
EDFD 2100	Educational Psychology	3
EDFD 2450	Human Life Span Development	3
EDST 2250	Educational Assessment	3
EDUC 2100	Practicum in Teaching	3
HLED 2006	Health for Elementary Educators	1
ITEC 2360	Teaching and Learning with Educational Technology	3
LIBS 2280	Literature for Children	3
MATH 1100	Number and Operations for Elementary School Teachers	3

MATH 1105	Data, Probability and Algebra for Elementary School Teachers	3
PHYS 1090	Fundamentals of the Physical Universe	4

Take one of the following courses

BIOL 1010	General Biology I	4
	OR	
BIOL 1020	Life Science	4

Recommend for transfer to UW:

Freshman ARTS (p. 371) in the fall should be a 3 credit Music course. Substitute Teaching Permit.

Total Credit Hours: 62

SECONDARY EDUCATION, AA

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	3 credits
HUM (p. 371)	3 credits
LSCI (p. 371)**	4 credits
MATH (p. 371)*	3 credits
ORAL (p. 371)	(in program)
SOC (p. 371)	(in program)
UNST (p. 371)	1 credits

*Students transferring out of Wyoming should take MATH (p. 371) 1400, College Algebra.

Students planning to teach Physical Education or Science should take MATH (p. 371) 1400, College Algebra.

**Students planning to teach Science should take BIOL 1010.

Program Requirements

Course Requirements

COMM 2010	Public Speaking	3
EDEX 2484	Intro to Special Education	3
EDFD 1101	Intro to Education	2
EDFD 2020	Foundations of Education	3
EDFD 2100	Educational Psychology	3
EDFD 2450	Human Life Span Development	3
EDST 2250	Educational Assessment	3
EDUC 2100	Practicum in Teaching	3
ITEC 2360	Teaching and Learning with Educational Technology	3
PSYC 1000	General Psychology	4

Program Electives

Student must choose seven (7) credits of approved courses in consultation with their advisor.

Recommended for students transferring to UW :

Substitute Teaching Certificate required

Students planning to teach Physical Education or Science should take MATH (p. 371) 1400, College Algebra.

**Students planning to teach Science should take BIOL 1010.

Total Credit Hours: 60

ENGLISH, AA

Program Description

English majors have a competitive edge in the job market and higher education. Employers and universities both seek people with effective communication and critical thinking skills; the course work in English provides practice in both.

While the study of writing obviously leads to improved written communication, literary analysis can result in other desired traits, such as an increased ability to understand people, greater ease interacting with diverse populations, and creative problem solving skills.

A degree in English serves as a solid, broad base for many careers.

General Education Requirements

Writing Level I (WR1)	(in program)
WR2	(in program)
American Wyoming Government (POLS 1000)	3 credits
ARTS (May not be an ENGL prefix)	3 credits
HUM (May not be an ENGL prefix)	3 credits
LSCI	4 credits
MATH	3 credits
ORAL	(in program)
SOC	3 credits
UNST	1 credits

Program Requirements

Course Requirements

COMM 1030	Interpersonal Communication	3
ENGL 1010	English Composition I	3
ENGL 1020	English Composition II	3

Program Electives

Course Requirements

ENGL 2000-2499*		18
	Additional courses with a HUM General Education designator	6

*Take a minimum of 15 credits of ENGL-2000-2499 courses. Take 6 credits of additional courses with a HUM General Education designator.

General Electives (7 Credits)

Total Credit Hours: 60

FILM, AA

Program Description

The Film Associate of Arts program offers study in the creative and technical aspects of the cinema as well as history, theory and criticism. Fundamentals of art are applied as students explore film through both form and content. Coursework is directed at providing students with rigorous hands-on experience in film production and critical studies of current and historical cinematic works. This program is intended as a transfer degree and should complete the first two years of requirements for a 4-year degree in Film.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	(In program)
HUM (p. 371)	(in program)
LSCI (p. 371)	4 credits
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

COMM 1480	Media Arts:	3
FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
FILM 1300	Editing	3
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
FILM 2100	Cinematography	3
FILM 2300	Directing	3
FILM 2380	Cinema History	3

Program Electives

Students are required to take a minimum of nine (9) credits from the following program electives:

ART 1130	Foundations: Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1177	Digital Imaging	3
ART 2145	Digital Photography I	3
ART 2146	Digital Photography II	3
COMM 2110	Nonverbal Communication	3
COMM 2130	Human Relations	3
COMM 2135	Gender Communication and Culture	3
COCR 1010	Professional Experience:	1
ENGL 2286	Legends and Lore	3
FILM 2400	Screenwriting II	3
MDIA 1000	Intro to Mass Media	3
MDIA 2202	Audio Production	3
MDIA 2455	Video Field Production	3
PFDV 1500	Managing Career Development	3
PHIL 1000	Intro to Philosophy	3
PSYC 1000	General Psychology	4
THEA 1100	Acting I	3
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2030	Beginning Playwriting	3
THEA 2055	Rehearsal and Performance	1
THEA 2100	Acting II	3

Total Credit Hours: 60

FILM, AAS

Program Description

The Film Associate of Applied Science program offers study in the creative and technical aspects of the cinema as well as history, theory and criticism. Fundamentals of art are applied as students explore film through both form and content. Coursework is directed at providing students with rigorous hands-on experience in film production and critical studies of current and historical cinematic works. The Associate of Applied Science in Film is intended to provide students with a skill-set that leads directly to employment.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, one of which is eitherWR2 (p. 371)orORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirement Core

Course Requirements

ART 2145	Digital Photography I	3
FILM 1100	Film Production I	4
COMM 1030	Interpersonal Communication	3
	OR	
COMM 2010	Public Speaking	3
MDIA 1000	Intro to Mass Media	3
	OR	
MDIA 2100	Media Writing	3

Program Requirement

Course Requirements

COMM 1480	Media Arts:	3
FILM 1000	Introduction to Film	3
FILM 1300	Editing	3
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
FILM 2100	Cinematography	3
FILM 2300	Directing	3
FILM 2380	Cinema History	3
FILM 2400	Screenwriting II	3

Program Electives

Students are required to take a minimum of nine (9) credits from the following program electives:

ART 1130	Foundations: Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1177	Digital Imaging	3
ART 2146	Digital Photography II	3

COMM 2110	Nonverbal Communication	3
COMM 2130	Human Relations	3
COMM 2135	Gender Communication and Culture	3
COCR 1010	Professional Experience:	1
ENGL 2286	Legends and Lore	3
MDIA 1000	Intro to Mass Media	3
MDIA 2202	Audio Production	3
MDIA 2455	Video Field Production	3
PFDV 1500	Managing Career Development	3
PHIL 1000	Intro to Philosophy	3
PSYC 1000	General Psychology	4
THEA 1100	Acting I	3
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2030	Beginning Playwriting	3
THEA 2055	Rehearsal and Performance	1
THEA 2100	Acting II	3

General Electives (1 credit)

Total Credit Hours: 60

MUSIC, AA

Program Description

The Music Department's purpose is twofold: serve community students and serve students preparing to transfer to a university. This is accomplished through student-centered activities in performance, composition and listening. The music program and its co-curricular activities provide opportunities to prepare for professional careers in music performance and education and to participate in organized activities of a cultural and recreational nature. Adjacent to the 942-seat theater, the music area in the CWC Arts Center is equipped with a soundproof classroom, rehearsal, and practice areas. State-of-the-art equipment is available for student use: grand pianos, a fully-integrated digital and analog recording studio, computers for composition and practice activities, a MIDI piano lab, digital synthesis and a very large listening library.

The music faculty provides individualized instruction in Applied Music. Four-year colleges and universities often require transferring music students to demonstrate by examination, successful completion of fundamentals and performance standards in their major area. CWC strives to prepare music students for this special examination. In addition to the programs below, four semesters of piano study (class or private) are strongly suggested unless the student can successfully pass a piano proficiency examination.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	(in program)
HUM (p. 371)	(in program)
LSCI (p. 371)	4 credits
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

MUSC 0200	Convocation	0
MUSC 0200	Convocation	0
MUSC 0200	Convocation	0
MUSC 0200	Convocation	0
MUSC 1030	Written Theory I	3
MUSC 1035	Aural Theory I	1
MUSC 1040	Written Theory II	3
MUSC 1045	Aural Theory II	1
MUSC 1055	Individual Lessons:	1 - 2
MUSC 2030	Written Theory III	3
MUSC 2035	Aural Theory III	1
MUSC 2040	Written Theory IV	3
MUSC 2045	Aural Theory IV	1
MUSC 2050	Music History Survey I	3
MUSC 2055	Music History Survey II	3
MUSC 2070	Individual Lessons:	1 - 2
MUSC 2395	Piano Proficiency	0

Program Electives

Students must choose four (4) credits from Piano classes or lessons listed below:

MUSC 1050	Private Lessons:	1 - 2
MUSC 1055	Individual Lessons:	1 - 2
MUSC 1290	Class Piano I	1
MUSC 2070	Individual Lessons:	1 - 2

Students must choose four (4) credits from Ensembles listed below:

MUSC 1378	College Band	1
MUSC 1390	Jazz Ensemble I	1
MUSC 1400	Collegiate Chorale	1

MUSC 1405	Touring Ensemble:	2
MUSC 1410	Vocal Ensemble	1
MUSC 1441	Chamber Ensemble:	1
MUSC 1452	Handbell Choir	1
MUSC 1490	Piano Ensemble	1

General Electives (3 credits)

Total Credit Hours: 60

NEW MEDIA, AAS

Program Description

New Media is designed to prepare the student for entry-level positions in interactive content production. The program requirements emphasize hands-on training in audio, visual, and print storytelling through the channels of interactive media, and provide the student with the prerequisite coursework required to successfully complete the program. The Associates of Applied Science in New Media is intended to provide the student with skills that lead directly to employment.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirement

Course Requirements

ART 1177	Digital Imaging	3
ART 2145	Digital Photography I	3
COMM 1000	Intro to Mass Media	3
	OR	
MDIA 1000	Intro to Mass Media	3
COMM 1030	Interpersonal Communication	3
	OR	
COMM 2010	Public Speaking	3
MDIA 2100	Media Writing	3
MDIA 2115	Website Structure & Style	3
MDIA 2202	Audio Production	3
MDIA 2235	Directing for New Media	4

MDIA 2260	Interviewing	3
MDIA 2280	Documentary	3
MDIA 2300	Journalism for New Media	3
MDIA 2455	Video Field Production	3
MDIA 2970	Radio Practicum	3
MDIA 3050	New Media Ethics	3
MKT 3050	Social Media Marketing	3
MKT 3210	Principles of Marketing	3

The student must choose a minimum of a 1 credit general electives.

The student will take 1 additional credit of general electives to meet the 60 credit program requirement if needed. A student enrolling in ENGL 1007 English Writing Workshop or 4 credits of APPM/MATH/LSCI may not need an additional course.

Total Credit Hours: 60

PHOTOGRAPHY, AAS

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL , ARTS/HUM/IT/ORAL/SOC/WR2	
ARTS	(in program)
ORAL/WR2	3 credits
UNST	1 credits

Program Description

This degree is designed to train the student who is interested in employment opportunities in the photography field with career options that include portrait, studio, and photojournalism. This training will include how to set up a working studio within a set space and budget. Instruction will include digital film with 35 mm, medium and large format cameras, flash and natural light and location shooting. Students are encouraged to develop their own artistic voice through rigorous coursework, critiques and experienced based art making.

Program Requirements

Course Requirements

ART 1005	Drawing I	3
ART 1110	Foundation - Two Dimensional	3
ART 1120	Foundation - Three Dimensional	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1175	Mobile Device Photography	1
ART 1177	Digital Imaging	3

ART 2020	Art History II	3
ART 2140	Photography III	3
ART 2141	Professional Practice in the Arts	1
ART 2145	Digital Photography I	3
ART 2146	Digital Photography II	3
ART 2150	Color Photography I	3
ART 2177	Digital Imaging II	3
ART 2405	Advanced Projects - 2D	3
PHTO 2350	Media Photography I	3

General Electives (3 credits)

Total Credit Hours: 60

SPANISH LANGUAGE CERTIFICATION CERTIFICATE II

Program Description

Certification in the Spanish Language will prepare students for careers and life in a diverse world. Student may combine the language competency noted by this certification with other degrees to enhance employability and improve communication skills in the business and social worlds. This certification focuses on listening, speaking, reading, and writing. The major objective is to develop functional language ability in Spanish.

Program Requirements

Course Requirements

SPAN 1010	First Year Spanish I	4
SPAN 1020	First Year Spanish II	4
SPAN 2030	Second Year Spanish I	4
SPAN 2140	Intro to Reading	3

Total Credit Hours: 15

THEATRE, AA

Program Description

The Theatre program's coursework and intensive production schedule provides students with a solid foundation in theatre, preparing them for upper-level undergraduate study.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	(in program)
HUM (p. 371)	(in program)
LSCI (p. 371)	4 credits
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

THEA 1040	Production Crew I	0.5
THEA 1100	Acting I	3
THEA 1700	Voice for the Actor	2
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2020	Theatrical Backgrounds Drama II	3
THEA 2030	Beginning Playwriting	3
THEA 2040	Production Crew II	0.5
THEA 2055	Rehearsal and Performance	1
THEA 2055	Rehearsal and Performance	1
THEA 2055	Rehearsal and Performance	1
THEA 2100	Acting II	3
THEA 2220	Stagecraft	3
THEA 2405	Theatre Seminar	3
THEA 2470	Directing Practicum	1
THEA 2720	Intro to Stage Combat	2

THEA 2055: Course is repeatable up to 3 credits

Program Electives

Student must choose two (2) credits from the following courses:

MUSC 1050	Private Lessons:	1 - 2
MUSC 1055	Individual Lessons:	1 - 2
MUSC 1400	Collegiate Chorale	1

General Electives (5 credits)

Total Credit Hours: 60

Outdoor and Environmental Science

ENVIRONMENTAL GEOSPATIAL INFORMATION SCIENCE TECHNICIAN, AAS

Program Description

The EHS-Environmental Geospatial Information Science Technician (ENV GIS TECH) Associate of Applied Science degree provides students with a foundation in the natural sciences and a firm understanding of geographic information systems (GIS). Students will complete courses in chemistry, soils, water resources and environmental science while developing skills in mapping and geospatial data management. General Education requirements are designed to encourage students to develop critical and creative thinking, computation, communication and technology skills. The geospatial thinking component of the program helps students develop the skills to effectively collect, map, manage, and analyze data. The foundation gained from this program will prepare students to address and mitigate complex environmental problems. Employment opportunities in this field are vast and include the energy industry, state government, and federal agencies such as the Bureau of Land Management and the National Parks.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BIOL 1080	Intro to Environmental Science	4
CHEM 1000	Intro to Chemistry	4
CMAP 1200	Computer Information Systems	3
CPED 1000	Co-Op Work Experience I:	3
	OR	
ENR 2050	Environmental Field Methods	3
EHS 2500	Environmental Compliance Technology	3
ENGL 2002	Technical Writing	3
ENR 2040	Environmental Regulatory Agencies	1
ENR 2425	Mountain Environments	4
GIST 2310	Intro to Geographic Information Systems	4
GIST 2410	Advanced Geographic Information Systems	4
GIST 2110	Techniques in Cartography	4
	OR	

GIST 2140	Survey of Remote Sensing Applications	4
GIST 2135	Applied GPS for GIS	3
GIST 1200	Geospatial Foundations	4
MATH 1000	Problem Solving	3
OEAC 2025	Wilderness Navigation	1
REWM 1300	Intro to Water Resources	3
SOIL 2010	Introduction to Soil Science	4

Total Credit Hours: 62

ENVIRONMENTAL GEOSPATIAL INFORMATION SCIENCE TECHNICIAN CERTIFICATE I

Program Description

The EHS Environmental GIS Technician certificate combines hands-on training in field methods and mapping with classroom instruction in environmental science. Students will exit the program with a firm foundation in the field of environmental technology and will enter the professional realm with improved technical skills and a stronger academic background. All of the courses included in the certificate program will count towards completion of an AAS in Environmental Health and Safety – Environmental GIS Technician track.

General Education Requirements

Writing Level I (WR1)/ORAL	(in program)
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

BIOL 1080	Intro to Environmental Science	4
ENGL 1010	English Composition I	3
CMAP 1200	Computer Information Systems	3
	OR	
ENGL 2002	Technical Writing	3
ENR 2040	Environmental Regulatory Agencies	1
ENR 2050	Environmental Field Methods	3
GIST 1200	Geospatial Foundations	4
GIST 2110	Techniques in Cartography	4
GIST 2310	Intro to Geographic Information Systems	4
MATH 1000	Problem Solving	3
OEAC 2025	Wilderness Navigation	1

Total Credit Hours: 31

EHS EXPEDITION SCIENCE CERTIFICATE II

Program Description

The EHS Expedition Science Cert II combines hands-on training in environmental and archaeological field and research skills, with techniques in outdoor leadership and geospatial information science and technology (GIST). The student will learn how to map and present environmental, archaeological and recreation-related data, and will apply mapping skills to field and wilderness-based research expeditions. The student will exit the Expedition Science Certificate II program with a firm introduction to the fields of environmental and geospatial science, and new leadership and presentation skills. Depending on course selection, the student may opt to participate in summer long field work in Archaeology and/or internships in other realms. Courses from the EHS Expedition Science certificate program can be applied towards completion of either an Associate of Science in Expedition Science and/or towards the AAS in EHS-Environmental Geospatial Information Science and Tech (ENV GIS TECH).

Program Requirements

Choose at least eighteen (18) credits from the following:

ANTH 1300	Intro to Archaeology	3
ANTH 2020	Material Culture Studies	3
BIOL 1080	Intro to Environmental Science	4
CPED 1000	Co-Op Work Experience I:	3
EDUC 1055	Introduction to Outdoor Education	3
ORTM 2470	Outdoor Education Practicum	4
ENR 2040	Environmental Regulatory Agencies	1
ENR 2050	Environmental Field Methods	3
ENR 2425	Mountain Environments	4
GEOG 1020	Intro to Human Geography	3
OEAC 2020	Mountaineering:	1 - 5
	OR	
OEAC 2030	Wilderness Backpacking:	1 - 5
	OR	
OEAC 2031	Combined Expeditions:	1 - 5
GIST 2310	Intro to Geographic Information Systems	4
GIST 2410	Advanced Geographic Information Systems	4
GIST 2110	Techniques in Cartography	4
GIST 1200	Geospatial Foundations	4
GEOL 1070	The Earth: Its Physical Environment	4
	OR	
ASTR 1070	The Earth: Its Physical Environment	4
HLED 2010	Wilderness First Responder	4
MDIA 2200	Electronic Media Production	3
	Any NOLS Wilderness Course	1-5
OEAC 1380	Outdoor Multisport	1 - 3
OEAC 2025	Wilderness Navigation	1

NOLS Wilderness Course will be evaluated in consultation with your advisor. **Total Credit Hours: 18**

EXPEDITION SCIENCE, AS

Program Description

The Expedition Science program integrates scientific research, field-based expeditions, and leadership development through experiential learning. Expedition Science embraces contemporary science and technical skills in disciplines of environmental science, geospatial information science and technology (GIST), outdoor leadership, and archaeology. Expedition Science field projects allows the student to travel and study in Wyoming's most remote deserts and mountains for extended periods of time. A student may perform research in paleoecology to reconstruct past human and physical environments, or apply contemporary ecological study to the Greater Yellowstone Ecosystem. Field options include alpine glaciology, high-elevation archaeology, and the ecology of extreme environments. In each subject area, the student will apply field and classroom research techniques to contemporary environmental and anthropological questions. Data will be presented at conferences and shared with state and federal land management agencies. The Expedition Science program requires the student to complete at least one CWC or NOLS expedition.

This program provides excellent preparation for careers in natural resource management, environmental science, outdoor education, glaciology, archaeology and geospatial information science. This degree is designed for transfer to the University of Wyoming or other four-year institutions.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC. (SOC is in the program)	3 credits
SOC	(in program)
LSCI	(in program)
MATH	(in program)
ORAL	3 credits
UNST	1 credits

Program Requirements

Course Requirements

BIOL 1080	Intro to Environmental Science	4
ENR 2425	Mountain Environments	4
	OR	
GEOG 1010	Intro to Physical Geography	4
GEOG 1020	Intro to Human Geography	3
GIST 1200	Geospatial Foundations	4
HLED 2010	Wilderness First Responder	4
MATH 1400	College Algebra	4

OEAC 2020	Mountaineering:	1 - 5
	OR	
OEAC 2030	Wilderness Backpacking:	1 - 5
	OR	
OEAC 2031	Combined Expeditions:	1 - 5
OEAC 2025	Wilderness Navigation	1
ORTM 1000	Foundations of Recreation & Tourism	3
ORTM 2410	Outdoor Leadership	3

The student may substitute HLED-2015 Wilderness EMT (9cr) in place of HLED-2010. This will add 5 Program Elective credits to the student's total program.

Program Electives

Student must choose a minimum of ten (10) credits from the following courses:

ANTH 2010	Cultural Resources Field School	3
ATSC 2000	Introduction to Meteorology	4
ATSC 2110	Introduction to Climatology	4
BIOL 1010	General Biology I	4
BIOL 2005	Natural History of Yellowstone	4
CMAP 1200	Computer Information Systems	3
CMAP 1765	Spreadsheet Applications:	3
CPED 1000	Co-Op Work Experience I:	3
	OR	
ORTM 2470	Outdoor Education Practicum	4
EDUC 1055	Introduction to Outdoor Education	3
ENR 2010	Environmental Law	3
ENR 2150	NAI Certified Interpretive Guide	3
ENR 2200	Greater Yellowstone Ecosystem Naturalist	4
GEOG 2950	Research In:	3
GIST 2000	Professional GIST:	1 - 6
GIST 2110	Techniques in Cartography	4
GIST 2135	Applied GPS for GIS	3
GIST 2140	Survey of Remote Sensing Applications	4
GIST 2310	Intro to Geographic Information Systems	4
GIST 2395	Capstone Project in Geographic Information Systems	3
GIST 2410	Advanced Geographic Information Systems	4
GIST 4950	Research in:	1 - 6
HLED 2010	Wilderness First Responder	4
NAIS 2000	Indians of the Wind River	3
NAIS 4340	Natural Resource Management on Western Reservations	3
OEAC 1175	Ice Climbing	1
OEAC 1258	Skiing and Snowboarding	1

OEAC 1287	Outdoor Rock Climbing	1
OEAC 1297	Whitewater Rafting and Rescue	1
OEAC 1380	Outdoor Multisport	1 - 3
OEAC 2058	Backcountry Skiing and Snowboarding	1
STAT 2050	Fundamentals of Statistics	4

Total Credit Hours: 60

GEOLOGY

See: Expedition Science, AS

GEOSPATIAL INFORMATION SCIENCE AND TECHNOLOGY, AAS

Program Description

The Associate of Applied Science degree in Geospatial Information Science and Technology (GIST) is designed for students wishing to gain a background in the field of the collection, analysis and manipulation of geospatial data. Geospatial data is information that identifies the geographic location and characteristics of natural or constructed features and boundaries on the earth. GIST refers to study of the supporting science, hardware, software, and data acquisition skills required to collect and synthesize geospatial data. A geographic information system (GIS) is one form of geospatial technology; global positioning systems (GPS) and remote sensing (RS) are others.

The general education requirements for this program are designed to encourage students to develop skills in critical and creative thinking and to gain the scientific and analytical background required to maximize the potential of geospatial technologies. This AAS degree in GIST prepares students for employment as technicians in the fields of natural resources, government public safety, mapping and utility companies, oil and gas, health and human services, and consulting firms. Students will leave the program with both a theoretical background and hands-on skill set in the field of geospatial technologies.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	(in program)
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

CMAP 1200	Computer Information Systems	3
ENGL 1020	English Composition II	3
	OR	
ENGL 2002	Technical Writing	3

GEOG 1020	Intro to Human Geography	3
GIST 1200	Geospatial Foundations	4
GIST 2110	Techniques in Cartography	4
GIST 2310	Intro to Geographic Information Systems	4
GIST 2410	Advanced Geographic Information Systems	4
MATH 1400	College Algebra	4
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4
OEAC 2025	Wilderness Navigation	1

Program Electives

Students must choose a minimum of four (4) credits from the following courses:

BIOL 1080	Intro to Environmental Science	4
ENR 2425	Mountain Environments	4
OEAC 2020	Mountaineering:	1 - 5
OEAC 2030	Wilderness Backpacking:	1 - 5
OEAC 2031	Combined Expeditions:	1 - 5
G&R 2032	Winter Expedition:	1 - 5
	NOLS Wind River Wilderness Course	1-5

Students must choose a minimum of seventeen (17) credits from the following courses:

GIST 2120	Geographic Information System Databases	3
GIST 2125	Geographic Info Systems Database Apps	1
GIST 2130	Spatial Analysis	4
GIST 2135	Applied GPS for GIS	3
GIST 2140	Survey of Remote Sensing Applications	4
GIST 2190	Intro to Programming Geospatial Information Science and Technology	3
GIST 2395	Capstone Project in Geographic Information Systems	3
	OR	
CPED 1000	Co-Op Work Experience I:	3

Total Credit Hours: 62

GEOSPATIAL INFORMATION SCIENCE AND TECHNOLOGY CERTIFICATE I

Program Description

The certificate I in Geospatial Information Science and Technology (GIST) emphasizes both the academic and technical skills required for the collection, analysis and manipulation of geospatial data. Geospatial data is information that identifies the geographic location and characteristics of natural or constructed features and boundaries on the earth. GIST refers to study of the supporting science, hardware, software, and data acquisition skills required to collect and synthesize geospatial data. A geographic information system (GIS) is one form of geospatial technology; global positioning systems (GPS) and remote sensing (RS) are others. This certificate in GIST prepares students for employment as technicians in the fields of natural resources, government, public safety, mapping and utility companies, oil and gas, health and human service and consulting firms. Students will leave the program with both a theoretical background and hands-on skill set in the field of geospatial technologies.

General Education Requirements

Writing Level I (WR1)/ORAL	(in program)
MATH/APPM/LSCI	(in program)
UNST	1 credits

Program Requirements

Course Requirements

CMAP 1200	Computer Information Systems	3
ENGL 1010	English Composition I	3
GIST 2310	Intro to Geographic Information Systems	4
GIST 2410	Advanced Geographic Information Systems	4
GIST 1200	Geospatial Foundations	4
MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4

Program Electives

Students must choose a minimum of nine (9) credits from the following courses:

GIST 2110	Techniques in Cartography	4
GIST 2120	Geographic Information System Databases	3
GIST 2125	Geographic Info Systems Database Apps	1
GIST 2130	Spatial Analysis	4
GIST 2135	Applied GPS for GIS	3
GIST 2140	Survey of Remote Sensing Applications	4
GIST 2190	Intro to Programming Geospatial Information Science and Technology	3
GIST 2395	Capstone Project in Geographic Information Systems	3
	OR	
CPED 1000	Co-Op Work Experience I:	3
OEAC 2025	Wilderness Navigation	1

Total Credit Hours: 31-32

GEOSPATIAL INFORMATION SCIENCE AND TECHNOLOGY CERTIFICATE II

Program Description

The certificate II in Geospatial Information Science and Technology (GIST) provides an introductory foundation in the academic and technical skills required for the collection, analysis and manipulation of geospatial data. Geospatial data is information that identifies the geographic location and characteristics of natural or constructed features and boundaries on the earth. GIST refers to study of the supporting science, hardware, software, and data acquisition skills required to collect and synthesize geospatial data. A geographic information system (GIS) is one form of geospatial technology; global positioning systems (GPS) and remote sensing (RS) are others. This certificate prepares students for employment as technicians in the fields of natural resources, government, public safety, mapping and utility companies, oil and gas, health and human service and consulting firms. Students will leave the program with skills and background to complement virtually any profession that requires introductory level skills in the use and application of geospatial technologies.

Program Requirements

Course Requirements

GIST 2310	Intro to Geographic Information Systems	4
GIST 2410	Advanced Geographic Information Systems	4
GIST 1200	Geospatial Foundations	4

Program Electives

Students must choose a minimum of four (4) credits from the following courses:

GIST 2110	Techniques in Cartography	4
GIST 2120	Geographic Information System Databases	3
GIST 2125	Geographic Info Systems Database Apps	1
GIST 2130	Spatial Analysis	4
GIST 2135	Applied GPS for GIS	3
GIST 2140	Survey of Remote Sensing Applications	4
GIST 2190	Intro to Programming Geospatial Information Science and Technology	3
GIST 2395	Capstone Project in Geographic Information Systems	3
CPED 1000	Co-Op Work Experience I:	3

Total Credit Hours: 16

OUTDOOR EDUCATION AND LEADERSHIP, AA

Program Description

The Outdoor Education & Leadership degree program is for the student interested in careers in outdoor education, environmental education, adventure programming, or conservation. This unique program combines wilderness expeditions and outdoor skills courses with natural history and a liberal arts curriculum. The program emphasizes leadership development and experience-based education. CWC's Alpine Science Institute offers a range of courses that use non-motorized travel (hiking, skiing, mountain biking and whitewater rafting) to visit and learn about remote wilderness areas in and around the Wyoming Rockies.

The Outdoor Education & Leadership program is a 4-semester program for the student ready for college-level courses. A student who places into pre-college math or English courses may require a preparatory semester before beginning the four-semester program. Most majors choose to live at the Alpine Science Institute (ASI) near Lander, WY. In the foothills of the Wind River Mountains, ASI offers unparalleled opportunities for reflective solitude, outdoor adventure, and study of the natural world. The student pays an equipment fee which grants access to mountain bikes, snow bikes, cross country and downhill skis, snowboards, rafts, canoes, paddleboards, climbing and camping gear.

The student has the option to spend up to one full semester taking wilderness-based courses with the Nols. Nols offers educational expeditions at remote, pristine locations in the US and abroad. To receive college credit for Nols courses, students must enroll concurrently in the appropriate corresponding course at CWC. For example, CWC students taking a Nols semester course should be enrolled in G&R-2050, G&R-2031, and EDUC-2050. For more information on Nols, visit www.nols.edu or call 1-800-710-6657.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 371)	3 credits
HUM (p. 371)	3 credits
LSCI (p. 371)	(in program)
MATH (p. 371)	3 credits
ORAL (p. 371)	3 credits
SOC (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BIOL 1080	Intro to Environmental Science	4
EDUC 1055	Introduction to Outdoor Education	3
ORTM 2470	Outdoor Education Practicum	4
ORTM 1000	Foundations of Recreation & Tourism	3
ORTM 2410	Outdoor Leadership	3

HLED 2010	Wilderness First Responder	4
	OR	
HLED 2015	Wilderness EMT	9

OEAC 2031, G&R 2050, and either EDUC 2050 -OR- EDUC 2045 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently if CWC students are taking a NOLS Semester-length course.

In addition, HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters which include medical training.

Students must choose four (4) credits from the following list of Expedition Courses

EDUC 2015	Outdoor Educator:	1 - 5
EDUC 2045	Outdoor Leadership Instructor	1 - 5
EDUC 2050	Outdoor Education & Leadership	1 - 5
G&R 2032	Winter Expedition:	1 - 5
G&R 2033	Rock Climbing:	1 - 5
G&R 2034	Water Expedition:	1 - 5
G&R 2050	Environmental Ethics & Management:	1 - 5
OEAC 2020	Mountaineering:	1 - 5
OEAC 2030	Wilderness Backpacking:	1 - 5
OEAC 2031	Combined Expeditions:	1 - 5

OEAC 2031, G&R 2050, and either EDUC 2050 -OR- EDUC 2045 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently if CWC students are taking a NOLS Semester-length course.

In addition, HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters which include medical training.

Students must choose three (3) OEAC credits from the following list of approved courses

OEAC 1175	Ice Climbing	1
OEAC 1258	Skiing and Snowboarding	1
OEAC 1287	Outdoor Rock Climbing	1
OEAC 1288	Mountain Biking	1
OEAC 1297	Whitewater Rafting and Rescue	1
OEAC 1380	Outdoor Multisport	1 - 3
OEAC 2025	Wilderness Navigation	1
OEAC 2058	Backcountry Skiing and Snowboarding	1

Program Electives

Students must choose seven (7) additional credits from the OEAC courses above or from the following list of approved courses:

ANTH 1300	Intro to Archaeology	3
ANTH 2022	Petroglyphs & Primitive Art	3
ART 2145	Digital Photography I	3
ASTR 1050	Survey of Astronomy	4

ASTR 1070	The Earth: Its Physical Environment	4
ATSC 2000	Introduction to Meteorology	4
ATSC 2110	Introduction to Climatology	4
BIOL 1010	General Biology I	4
BIOL 1020	Life Science	4
BIOL 2002	Global Ecology	3
COMM 1005	Intercultural Communication	3
COMM 2130	Human Relations	3
COMM 4050	Communication and Conflict	3
CNSL 1310	Personal Growth Group	1
CNSL 2300	Counseling for Helping Professional	3
CNSL 2310	Introduction to Group Counseling	3
CNSL 2320	Addictions Assessment	3
CNSL 2330	Counseling Diverse Populations	3
CNSL 2340	Theories of Counseling	3
EDFD 2020	Foundations of Education	3
EDFD 2450	Human Life Span Development	3
EDUC 2015	Outdoor Educator:	1 - 5
EDUC 2045	Outdoor Leadership Instructor	1 - 5
EDUC 2050	Outdoor Education & Leadership	1 - 5
ENR 1005	Trailbuilding I	1 - 3
ENR 2005	Trailbuilding 2	4
ENR 2150	NAI Certified Interpretive Guide	3
ENR 2425	Mountain Environments	4
G&R 2032	Winter Expedition:	1 - 5
G&R 2033	Rock Climbing:	1 - 5
G&R 2034	Water Expedition:	1 - 5
G&R 2050	Environmental Ethics & Management:	1 - 5
GIST 2110	Techniques in Cartography	4
GIST 2135	Applied GPS for GIS	3
GIST 2310	Intro to Geographic Information Systems	4
GEOL 1070	The Earth: Its Physical Environment	4
GEOL 1100	Physical Geology	4
GEOL 1200	Historical Geology	4
GEOL 1470	Environmental Geology	4
HIST 1270	Indians of the Wind River	3
HLED 2015	Wilderness EMT	9
NAIS 1005	Intercultural Communication	3
NAIS 1350	American Indians in Contemporary Society	3
NAIS 2000	Indians of the Wind River	3
NAIS 2290	History of North American Indians	3
OEAC 1400	Avalanche Level 1	1
OEAC 2020	Mountaineering:	1 - 5
OEAC 2030	Wilderness Backpacking:	1 - 5
OEAC 2031	Combined Expeditions:	1 - 5

OEAC 2400	Avalanche Level 2	2
ORTM 1100	Bicycle Mechanic	3
ORTM 2100	Mountain Bike Skills Instructor 1	2
PSYC 1250	Human Potential Seminar	1
PSYC 2210	Drugs and Behavior	3
ZOO 1200	Human Biology	3
ZOO 2015	Human Anatomy	4

OEAC 2031, G&R 2050, and either EDUC 2050 -OR- EDUC 2045 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently if CWC students are taking a NOLS Semester-length course.

In addition, HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters which include medical training.

Total Credit Hours: 60

OUTDOOR RECREATION, AS

Program Description

This program offers the student outdoor recreation skill development with a business/ entrepreneurial perspective of the outdoor recreation service industry. It includes learning, training, and assessment of leadership and program management skills for parks, recreation, and tourism.

The student has the option to spend up to one full semester taking wilderness-based courses with the National Outdoor Leadership School (NOLS). NOLS offers these educational expeditions at remote, pristine locations in the US and abroad. To receive college credit for NOLS courses, the student must enroll concurrently in the appropriate corresponding course at CWC. For example, a CWC student taking a NOLS semester course should be enrolled in G&R 2050, G&R 2031, and EDUC 2050. For more information on NOLS offerings visit www.nols.edu or call NOLS admissions at 1-800-710-6657.

Majors can also choose to live at CWC's Alpine Science Institute near Sinks Canyon State Park in Lander. In the foothills of the Wind River Mountains, student cabins offer opportunities for reflective solitude and easy access to: trout streams, world class rock climbing areas, and a variety of hike and mountain bike trails.

The Outdoor Recreation program is especially appropriate for the student wishing to start their own outdoor-related business, build careers in parks, recreation and tourism or complete the Bachelor of Applied Science (BAS) Degree in Organizational Management and Leadership: Outdoor Program Leadership Option. A student pursuing the BAS should notify their academic advisor and also take Public Speaking (COMM 2010) during their first 4 semesters.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/SOC (p. 371). (SOC (p. 371) is in the program)	3 credits
SOC (p. 371)	(in program)
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BIOL 1080	Intro to Environmental Science	4
HLED 2010	Wilderness First Responder	4
	OR	
HLED 2015	Wilderness EMT	9
MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4
OEAC	Choose 3 credits of OEAC from Electives below	3
ORTM 1000	Foundations of Recreation and Tourism	3
ORTM 2410	Outdoor Leadership	3
PSYC 1000	General Psychology	4
STAT 2000	Statistics and the World	3

Program Electives

Students must choose seventeen (17) credits from the following list of approved electives:

ANTH 1100	Introduction to Biological Anthropology	3
ASTR 1050	Survey of Astronomy	4
EDFD 2450	Human Life Span Development	3
EDUC 2045	Outdoor Leadership Instructor	1 - 5
EDUC 2050	Outdoor Education & Leadership	1 - 5
ENR 1005	Trailbuilding I	1 - 3
ENR 2005	Trailbuilding 2	4
ENR 2150	NAI Certified Interpretive Guide	3
ENR 2425	Mountain Environments	4

G&R 2032	Winter Expedition:	1 - 5
G&R 2033	Rock Climbing:	1 - 5
G&R 2034	Water Expedition:	1 - 5
G&R 2050	Environmental Ethics & Management:	1 - 5
GEOG 1010	Intro to Physical Geography	4
GIST 2110	Techniques in Cartography	4
GIST 2135	Applied GPS for GIS	3
GIST 2310	Intro to Geographic Information Systems	4
HLED 2015	Wilderness EMT	9
NAIS 1350	American Indians in Contemporary Society	3
OEAC 1258	Skiing and Snowboarding	1
OEAC 1287	Outdoor Rock Climbing	1
OEAC 1288	Mountain Biking	1
OEAC 1297	Whitewater Rafting and Rescue	1
OEAC 1380	Outdoor Multisport	1 - 3
OEAC 1400	Avalanche Level 1	1
OEAC 2020	Mountaineering:	1 - 5
OEAC 2025	Wilderness Navigation	1
OEAC 2030	Wilderness Backpacking:	1 - 5
OEAC 2031	Combined Expeditions:	1 - 5
OEAC 2058	Backcountry Skiing and Snowboarding	1
OEAC 2400	Avalanche Level 2	2
ORTM 1100	Bicycle Mechanic	3
ORTM 2100	Mountain Bike Skills Instructor 1	2
PEAC 2018	Water Safety	1

OEAC 2031, G&R 2050, and either EDUC 2050 -OR- EDUC 2045 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently if CWC students are taking a NOLS Semester-length course.

In addition, HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters which include medical training.

Total Credit Hours: 60

OUTDOOR CERTIFICATES

MOUNTAINBIKE PROFESSIONAL CERTIFICATE I

Program Description

The Mountainbike Professional certification integrates interpretive guide skills, Wilderness First Responder training and natural resource management with bike handling and mechanic skills. The student will spend time in both the classroom and on a variety of trail systems honing group management and bike-specific coaching skills for a career in the growing fields of mountain bike guiding, instruction and sustainable trail development.

General Education Requirements

Writing Level I (WR1)/ORAL	*3 credits
MATH/APPM/LSCI	*3 credits
UNST	1 credits

*Math 1000 Problem Solving recommended

*COMM 1030 Interpersonal Communication recommended

Program Requirements

Course Requirements

ENR 2150	NAI Certified Interpretive Guide	3
HLED 2010	Wilderness First Responder	4
OEAC 1288	Mountain Biking	1
OEAC 1380	Outdoor Multisport	1 - 3
ORTM 1100	Bicycle Mechanic	3
ORTM 2100	Mountain Bike Skills Instructor 1	2
ORTM 2410	Outdoor Leadership	3

Students choose a minimum of 4 credits from the following courses:

ORTM 2470	Outdoor Education Practicum	4
OEAC 2031	Combined Expeditions:	1 - 5

Total Credit Hours: 30

TRAILBUILDING PROFESSIONAL CERTIFICATE I

Program Description

The Trailbuilding Professional certification integrates field-based training using hand tools and heavy machinery with first responder training, geospatial information science and technology (GIST), natural resource management and business practices. The experiential learning format allows the student to develop practical skills for a career designing and building natural surface trail systems ranging from remote Wilderness to modern bike parks.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	*3 credits
UNST	1 credits

*Math 1000 Problem Solving recommended

Program Requirements

Course Requirements

ORTM 2470	Outdoor Education Practicum	4
ENR 1005	Trailbuilding I	1 - 3
ENR 2005	Trailbuilding 2	4
GIST 2110	Techniques in Cartography	4
GIST 2135	Applied GPS for GIS	3
HLED 2010	Wilderness First Responder	4
OEAC 1380	Outdoor Multisport	1 - 3

Total Credit Hours: 30

Science, Technology, Engineering and Math

BIOLOGICAL SCIENCE

See: Science, AS

CHEMISTRY

See: Science, AS

COMPUTER SCIENCE, AS

Program Description

The student will learn to solve problems from an algorithmic or computational point of view. Software systems, information technology and "big data" are deeply embedded in the fabric of our everyday life. Computer science has grown from a specialized field to an independent, broadly based area that studies all aspects of the use and understanding of software systems, information, and computational processes. In addition to numerical calculations, the field includes such topics as network analysis, graphics, modeling and simulation, parallel computation and artificial intelligence. CWC provides the successful student a background of coursework aimed at facilitating transfer to a four-year institution for completion of a baccalaureate degree program.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/SOC (p. 371).	6 credits
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	(in program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

COMM 2010	Public Speaking	3
COSC 1010	Intro to Computer Science I	4
COSC 1030	Computer Science I:	4
COSC 2030	Computer Science II	4
COSC 2300	Discrete Structures	3
	OR	
MATH 2300	Discrete Structures	3

MATH 2200	Calculus I	5
MATH 2205	Calculus II	5
MATH 2210	Calculus III	5
MATH 2250	Elementary Linear Algebra	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Total Credit Hours: 64

COMPUTER TECHNOLOGY, AAS

Program Description

The Computer Technology AAS is designed for the student who has minimal experience and knowledge of computer technology.

The general education requirements are designed to encourage the student to develop critical and creative thinking, computation, and communication skills. The program requirements introduce the student to the basic Cisco networking principles, CompTIA A+ hardware standards, a Microsoft Windows operating system, and Microsoft Office suite software applications.

The program electives provide the student with a blended knowledge of computer networking hardware/software, software design, and a broad understanding of the Linux operating system.

General Education Requirements

Writing Level I (WR1)	3 credits
American Wyoming Government (POLS 1000)	3 credits
MATH/APPM/LSCI	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 or ORAL.	
ARTS/HUM/IT/ORAL/SOC/WR2	(in program)
UNST	1 credits

Program Requirements

Course Requirements

CMAP 1200	Computer Information Systems	3
CMAP 1615	Operating Systems:	3
CMAP 1650	Introduction to Networking	3
CMAP 1715	Word Processing Applications:	3
CMAP 1765	Spreadsheet Applications:	3
CMAP 1815	Database Applications:	3
CMAP 1920	Hardware Maintenance	4

COMM 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CPED 1000	Co-Op Work Experience I:	3
CSEC 1500	Computer Network Security +	3
PFDV 1500	Managing Career Development	3

CMAP 1615, CMAP 1715: Students who have limited or no computer experience must take CMAP 1200 before enrolling in CMAP 1615 or CMAP 1715.

Program Electives

Select thirteen (13) credits for the completion of Program Electives from the following course prefixes:

BOTK/CMAP/COSC/CPED/ENTR/IMGT/ or

ART 1177	Digital Imaging	3
	OR	
MDIA 2115	Website Structure & Style	3

General Electives (3 credits)

Total Credit Hours: 60

COMPUTER TECHNOLOGY CERTIFICATE I

Program Description

The Computer Technology Certificate I is designed for the student who has had previous coursework or work experience with computer technology. The general education requirements are designed to encourage the student to develop computation and communication skills.

The program requirements introduce the student to the basic CompTIA A+ hardware standards, multimedia applications, and the Windows operating system.

The program electives provide the student with a blended knowledge of computer networking hardware/software, software design, Microsoft Office Suite software applications, and a broad understanding of the Linux operating system.

General Education Requirements

Writing Level I (WR1)/ORAL	3 credits
MATH/APPM/LSCI	3 credits
UNST	1 credits

Program Requirements

Course Requirements

CMAP 1615	Operating Systems:	3
CMAP 1650	Introduction to Networking	3

CMAP 1920	Hardware Maintenance	4
CSEC 1500	Computer Network Security +	3
ENTR 1505	Entr I: Entrepreneurial Mindset	3

CMAP 1615: Students who have limited or no computer experience must take CMAP 1200 before enrolling in CMAP 1615 or CMAP 1715.

Program Electives

Select seven (7) credits for the completion of Program Electives from the following course prefixes:

BOTK/CMAP/COSC/CPED/ENTR/IMGT/MSFT

Total Credit Hours: 30

COMPUTER TECHNOLOGY CERTIFICATE II

Program Description

The Computer Technology Certificate II is designed for the student who has coursework in the computer field and/or work experience in the computer networking industry. The student may select courses in business office tech, computer networking hardware/software, software design, Microsoft Office Suite software applications, and operating systems. The student who chooses this certificate and is deficient in computer skills, theory, hardware, and software/operating systems coursework may be required to take prerequisite coursework before enrolling in certification courses.

Completion of the certificate involves more than one semester.

Program Requirements

Course Requirements

	BOTK/CMAP/COSC/CSEC/ENTR/MSFT/IMGT	15

Total Credit Hours: 15

ENGINEERING, AS

Program Description

The Engineering program allows the student interested in pursuing any of the fields of engineering, civil, mechanical, electrical, environmental, chemical, or geotechnical to gain the basic skills of engineering while allowing some degree of specialization. This degree is designed for transfer to the University of Wyoming or other four-year institutions granting degrees in specific areas of engineering.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
Writing Level II (WR2 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS (p. 371)/HUM (p. 371)/SOC (p. 371).	6 credits
LSCI (p. 371)	(in program)
MATH (p. 371)	(in program)
ORAL (p. 371)	3 credits
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

CHEM 1020	General Chemistry I	4
ES 1060	Intro to Engineering Problem Solving	3
ES 2110	Statics	3
ES 2120	Dynamics	3
MATH 2200	Calculus I	5
MATH 2205	Calculus II	5
MATH 2210	Calculus III	5
MATH 2310	Applied Differential Equations	3

Program Electives

Students must choose a minimum of 10 credits from the following courses:

BIOL 1010	General Biology I	4
BIOL 2022	Animal Biology	4
CHEM 1030	General Chemistry II	4
CHEM 2420	Organic Chemistry I	4
CHEM 2440	Organic Chemistry II	4
COSC 1010	Intro to Computer Science I	4
COSC 1030	Computer Science I:	4
ES 2210	Electric Circuit Analysis	3
ES 2310	Thermodynamics	3
ES 2330	Fluid Dynamics	3
ES 2410	Mechanics of Materials	3
MATH 2250	Elementary Linear Algebra	3
STAT 2050	Fundamentals of Statistics	4

Total Credit Hours: 64

MANAGEMENT INFORMATION SYSTEMS

See: Computer Science, AS

MATHEMATICS, AS

Program Description

The program in Mathematics allows the student to focus on a specific area of mathematics or to garner a broad background in a variety of mathematical concepts. This program is suited for the student planning to pursue a four-year degree in Mathematics, Secondary Mathematics Education or other related program. This degree is designed for transfer to the University of Wyoming or other four-year institutions.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC.	6 credits
LSCI	4 credits
MATH	(in program)
ORAL	3 credits
UNST	1 credits

Program Requirements

Course Requirements

MATH 2200	Calculus I	5
MATH 2205	Calculus II	5
MATH 2210	Calculus III	5
MATH 2250	Elementary Linear Algebra	3
MATH 2300	Discrete Structures	3
MATH 2310	Applied Differential Equations	3

Program Electives

Student must choose a minimum of ten (10) credits from the following courses:

ATSC 2000	Introduction to Meteorology	4
ATSC 2110	Introduction to Climatology	4
BIOL 1010	General Biology I	4
BIOL 2022	Animal Biology	4
CHEM 1020	General Chemistry I	4
CHEM 1030	General Chemistry II	4
CHEM 2420	Organic Chemistry I	4
CHEM 2440	Organic Chemistry II	4
COSC 1010	Intro to Computer Science I	4
COSC 1030	Computer Science I:	4

COSC 2030	Computer Science II	4
ES 1060	Intro to Engineering Problem Solving	3
ES 2110	Statics	3
ES 2120	Dynamics	3
ES 2210	Electric Circuit Analysis	3
GIST 1200	Geospatial Foundations	4
MATH 2355	Mathematical Applications for Business	4
MATH 2485	Math Major Seminar	2
PHYS 1310	College Physics I	4
PHYS 1320	College Physics II	4
STAT 2050	Fundamentals of Statistics	4
STAT 2070	Intro Statistics for the Social Sciences	4

General Electives (3 credits)

Total Credit Hours: 60

PHYSICAL SCIENCE

See: Science, AS

SCIENCE, AS

Program Description

Science is the systematic study of the physical and natural world through observation, experimentation, and the application of predictive models. The interdisciplinary nature of science requires the student to have a broad exposure to biological sciences, chemistry, and physics in order to connect the concepts learned in a chosen discipline to the greater whole of science. This program can be tailored for the student considering a career in biology, chemistry, physics, other physical sciences, or health sciences including medicine, chiropractic, physical therapy, veterinary medicine, dentistry, optometry, and pharmacy. The Science AS is designed to transfer to a four-year institution.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC	6 credits
LSCI	(in program)
MATH	(in program)
ORAL	(in program)
UNST	1 credits

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
COMM 2010	Public Speaking	3
PHYS 1110	General Physics I	4
	OR	
PHYS 1310	College Physics I	4

Program Electives

Student must choose twenty-nine (29) credits from the following courses. Three (3) of these credits must carry a MATH General Education designator.

ASTR 1050	Survey of Astronomy	4
ATSC 2000	Introduction to Meteorology	4
ATSC 2110	Introduction to Climatology	4
BIOL 1080	Intro to Environmental Science	4
BIOL 2022	Animal Biology	4
CHEM 1030	General Chemistry II	4
CHEM 1045	Chemical Problem Solving I	1
CHEM 1055	Chemical Problem Solving II	1
CHEM 2230	Quantitative Analysis	4
CHEM 2300	Intro to Organic Chemistry	4
	OR	
CHEM 2420	Organic Chemistry I	4
CHEM 2440	Organic Chemistry II	4
COSC 1010	Intro to Computer Science I	4
	OR	
ES 1060	Intro to Engineering Problem Solving	3
GEOG 1010	Intro to Physical Geography	4
GEOL 1100	Physical Geology	4
GEOL 1470	Environmental Geology	4
GIST 1200	Geospatial Foundations	4
HLTK 1200	Medical Terminology	3
MATH 1400	College Algebra	4
MATH 1405	Trigonometry	3
MATH 2200	Calculus I	5
MATH 2205	Calculus II	5
MATH 2210	Calculus III	5
MATH 2250	Elementary Linear Algebra	3
MATH 2310	Applied Differential Equations	3

MOLB 2210	General Microbiology	4
PHYS 1120	General Physics II	4
	OR	
PHYS 1320	College Physics II	4
PSYC 1000	General Psychology	4
SOC 1000	Sociological Principles	3
STAT 2050	Fundamentals of Statistics	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4
ZOO 2140	Cadaver Anatomy	2

Total Credit Hours: 60

SOFTWARE DEVELOPMENT, AS

Program Description

The Associate of Science in Software Development program combines practical experience with current programming languages, tools, and processes in the field of computer science. The general education prerequisites encourage the student to develop critical and creative thinking, computation, and communication skills utilized in the industry. The program courses are designed to help the student develop skills that are highly sought after by employers in the industry. This includes programming concepts utilizing databases, mobile devices, security, and DevOps using current programming languages. The student will work with real clients from industry on team-based projects that synthesize the knowledge and skills acquired during the program.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC.	6 credits
LSCI	4 credits
MATH	(in program)
ORAL	3 credits
UNST	1 credits

Program Requirements

Course Requirements

COSC 1010	Intro to Computer Science I	4
COSC 2050	Intro to Structured Query Language (SQL)	3
INET 1650	Web Programming I	3
INET 2010	Data Driven Sites	3
MATH 1400	College Algebra	4

SDEV 1000	Software Development Skills I	3
SDEV 1100	Software Development Skills II	3
SDEV 1200	Programming Python	3
SDEV 2150	Agile Project Management	3
SDEV 2200	Secure Software	3
SDEV 2300	Development and Operational Practices	3
SDEV 2395	Software Development Capstone	3
SDEV 2100	Mobile Development	3
	OR	
SDEV 2250	Web App Client Frameworks	3
STAT 2050	Fundamentals of Statistics	4

Total Credit Hours: 68

SOFTWARE SUPPORT SPECIALIST, AAS

Program Description

The Associate of Applied Science in Software Support Specialist degree is designed for students who wish to prepare for positions as Help Desk Technician, Technical Support Specialist and Customer Service Representative. Software support specialists provide technical assistance and support for computer users.

The general education requirements are designed to encourage students to develop skills such as critical and creative thinking, computation and communication, lifelong learning and technical skills, all of which are highly desirable in this career.

General Education Requirements

Writing Level I (WR1 (p. 371))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 371)/APPM (p. 371)/LSCI (p. 371)	3 credits
Student must complete six (6) credits of general education courses distributed over two (2) different general education areas, one of which is either WR2 (p. 371) or ORAL (p. 371).	
ARTS (p. 371)/HUM (p. 371)/IT (p. 371)/ORAL (p. 371)/SOC (p. 371)/WR2 (p. 371)	(In program)
UNST (p. 371)	1 credits

Program Requirements

Course Requirements

BADM 1020	Business Communications	3
CMAP 1615	Operating Systems:	3
CMAP 1650	Introduction to Networking	3
CMAP 1715	Word Processing Applications:	3
CMAP 1765	Spreadsheet Applications:	3
CMAP 1815	Database Applications:	3
CMAP 1920	Hardware Maintenance	4

CPED 1000	Co-Op Work Experience I:	3
CSEC 1500	Computer Network Security +	3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
MGT 2130	Human Relations	3
	OR	
COMM 2130	Human Relations	3
PFDV 1500	Managing Career Development	3

CMAP 1615, CMAP 1715: Students who have limited or no computer experience must take CMAP 1200 before enrolling in CMAP 1615 or CMAP 1715.

Program Electives

Courses selected from following program electives must be approved by major academic advisor:

ACCT, BADM, BOTK, CMAP, COSC, CSEC, CPED, ENTR, IMGT, MGT, MKT	10

General Electives (3 credits)

Total Credit Hours: 60

STEM, AS

Program Description

Science, Technology, Engineering, and Math (STEM) education is an approach to learning where rigorous academic concepts are coupled with real world problems. The STEM Associate of Science (AS) degree allows the student to explore the concepts from the four aspects of STEM education.

The goal of this program is to give the student a strong STEM curriculum foundation, which enables them to build on and transfer to a four year institution. This transfer program will also enhance skills and competencies needed in our technology-dependent world. The student interested in courses related to science, technology, engineering or math but are unsure of a specific career in a STEM field is encouraged to declare this program of study.

General Education Requirements

Writing Level I (WR1)	3 credits
Writing Level II (WR2)	3 credits
American Wyoming Government (POLS 1000)	3 credits
Student must complete six (6) credits of General Education courses distributed over two (2) different general education areas, ARTS/HUM/SOC. (SOC is in the program)	3 credits
SOC	(in program)
LSCI	(in program)
MATH	(in program)
ORAL	3 credits
UNST	1 credits

Program Requirements

Course Requirements

BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
CHEM 1045	Chemical Problem Solving I	1
MATH 1400	College Algebra	4
PHYS 1110	General Physics I	4
	OR	
PHYS 1310	College Physics I	4
PSYC 1000	General Psychology	4
	OR	
SOC 1000	Sociological Principles	3

MATH 1400: Students testing into MATH 2200 are NOT required to take MATH 1400, but must take an additional 4 credits bearing the MATH or STAT designator to meet the 60 credit requirement.

Program Electives

Student must choose twenty-four (24) additional credits from the following list:

Science Electives

ASTR 1050	Survey of Astronomy	4
ATSC 2000	Introduction to Meteorology	4
ATSC 2110	Introduction to Climatology	4
BIOL 1080	Intro to Environmental Science	4
BIOL 2022	Animal Biology	4
CHEM 1030	General Chemistry II	4
CHEM 1055	Chemical Problem Solving II	1
CHEM 2300	Intro to Organic Chemistry	4
	OR	
CHEM 2420	Organic Chemistry I	4

CHEM 2440	Organic Chemistry II	4
GEOG 1010	Intro to Physical Geography	4
GEOL 1100	Physical Geology	4
GEOL 1470	Environmental Geology	4
MOLB 2210	General Microbiology	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4
Technology Electives		
CMAP 1200	Computer Information Systems	3
CMAP 1650	Introduction to Networking	3
CMAP 1815	Database Applications:	3
COSC XXXX	Any COSC Course	
CSEC 1500	Computer Network Security +	3
GIST 1200	Geospatial Foundations	4
GIST 2310	Intro to Geographic Information Systems	4
GIST 2410	Advanced Geographic Information Systems	4
Engineering Electives		
ES XXXX	Any ES Course	
Math Electives		
	Any MATH above MATH-1400	
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro Statistics for the Social Sciences	4

Total Credit Hours: 60

COOPERATIVE EDUCATION PROGRAM

CWC offers Cooperative Education to all students enrolled in specific programs. Cooperative Education is a program that allows students to gain practical work experience and apply classroom skills while employed in jobs related to their college area of emphasis. Students can earn wages and academic credit, but the emphasis of Cooperative Education is on the knowledge and experience gained while working in a career field. Learning is field-based and takes place in a work site related to the areas of study.

Since Cooperative Education expects certain objectives to be accomplished, the teaching faculty, the Cooperative Education Coordinator, and the employing supervisors all share in working with the students in developing their training plans.

To be eligible for the Cooperative Work Experience I class, students must 1) have a declared area of emphasis, 2) have permission of the academic advisor, faculty coordinator and the Cooperative Education Coordinator, and 3) regardless of area of emphasis, attend classes, workshops, or seminars as part of the academic requirement of Cooperative Work Experience classes and the Cooperative Education Program. These classes may include activities in the occupational experience, and/or projects outside of the work environment.

University of Wyoming Transfer Agreements

Central Wyoming College and the University of Wyoming have partnered to provide degree-specific transfer agreements that assure students that courses taken at CWC meet UW degree course requirements. The 'Block Transfer' was written for students who have earned a qualifying transfer associate degree (Associate of Arts (AA), Associate of Science (AS), or Associate Degree in Nursing (ADN)) with a minimum of sixty (60) credits in any major from one of the Wyoming Community Colleges (WYCC) who wish to complete their bachelor degree at the University of Wyoming.

These transfer agreements are designed to provide students with a clear pathway to earn an associate degree in a specific major at CWC, transfer to UW, and earn their bachelor's degree in the same major on-time and without excess credits.

Students planning to transfer from CWC to UW should use these transfer agreements in consultation with their advisor to ensure they are taking the right coursework to complete their associate and bachelor's degrees.

If you do not see a transfer plan for a degree you are interested in, check back, as agreements for more plans are completed each semester. If you have questions, please contact your advisor or UW's Office of Academic Affairs at 307-766-4286.

Course Descriptions

Directed Study

Directed study courses may be offered in any discipline depending upon available instructional resources. Students may not enroll in more than one directed study course each semester. Directed study courses utilize an independent study mode for specific areas of study not covered by courses listed in the catalog and are to be used in exceptional circumstances.

In such courses, students will engage in a series of activities designed to develop competence in a specified area. Activities should include, but are not limited to, the development and preparation of presentations and special research. Specific requirements should be determined by the student and the instructor. The course designator and primary purpose for the directed study must be consistent, i.e., a directed study aimed at developing teaching skill, regardless of content area, must have an education designator. A directed study will not be used to supplant work-study experiences.

A Directed Study Contract, available from the Student Records Office or any Division office, must be submitted. The prerequisite for directed studies courses is the permission of the instructor and dean approval.

The directed study courses are sophomore level transfer courses, provide 1-4 credits and are numbered 2965 in each discipline. Directed study courses may not be used to fulfill General Education requirements. A maximum of eight credits may be earned through directed study and may be applied to a degree or certificate.

Special Topics

Special Topics courses are offered in most disciplines listed in this catalog and are designed to present a variety of specialized, focused topics. These courses vary from one half to three credits in length. Topics courses are numbered 2490 for each department. General Education requirements may not be fulfilled with Special Topics courses. A maximum of six credits earned through Special Topics may be applied toward a degree or certificate.

Course Numbering System

The courses at Central Wyoming College are identified by a set of course department abbreviations and numbers assigned from a statewide catalog. All Wyoming community colleges and the University of Wyoming use the same common course department abbreviations and numbers to identify similar courses. Courses with the same department abbreviation, course number and title have been judged to be generally equivalent in content and purpose throughout the state.

Course department abbreviations precede the course numbers in the subject area. Course numbers between 0001 – 0999 indicate that the content of the course is primarily a review (pre-college level). The purpose of these courses is to improve skills basic to education. These courses cannot satisfy program graduation requirements and are not generally transferable to other colleges or universities. Courses numbered below 1000 will not be used to compute honor roll.

Courses numbered 1000 – 4999 indicate that the content of the course is at the college level. These courses may be applied toward completion of a program of study.

Prerequisites

Courses may have prerequisites. These are requirements which must be completed before enrolling in a certain course. Types of prerequisites include instructor's permission, certain scores on placement tests, previous coursework, and good standing in certain programs. Prerequisites are designed to help assure that the student has a reasonable chance of success in a course. Courses listed as prerequisites must either be completed with a "C" or better, or the student must have obtained the instructor's written permission before taking the next level course. Instructor's permission is usually required for courses in which there is limited laboratory space or equipment or in which specific skills are required.

General Education Designation Legend:

Courses that fulfill general education requirements have the following designators listed at the end of the course descriptions:

WR1	Writing Level I
WR2	Writing Level II
WR3	Writing Level III
POLS	American & Wyoming Government
ARTS	Visual, Performing, Expressive Arts
HUM	Humanities
LSCI	Lab Science
MATH	Mathematics
ORAL	Oral
SOC	Social/Behavioral Science
UNST	University Studies
APPM	Applied Mathematics *(For Associate of Applied Science degrees only)*
IT	Information Technology *(For Associate of Applied Science degrees only)*

Other Designators

The number of hours per week each class meets is indicated in parentheses at the end of each course description; for example, "(3 lect., 3 lab)" means three hours of lecture plus three hours of laboratory work each week for a 15 week course. The number of lecture and laboratory hours per week changes if the course is taught over an 8 week period, a 5 week period, etc. The number of hours allotted to laboratory sessions varies by academic discipline. Any explanations needed should be referred to the dean of the academic discipline in question. Courses offered for "S/U grading only" will be specified as such; all other courses will be offered for a standard grade.

University of Wyoming Transfer Codes

To assist students wishing to transfer to the University of Wyoming please WYO Transfer portal in your MyCentral account. Transfer only courses can be substituted/applied to major and degree requirements when applicable.

To see the information for which University of Wyoming which each course fulfills please see the UW Transfer Catalog. University Studies requirements were changed fall 2015. University Studies Program (courses cannot meet more than one USP) Students must earn a grade of C or above in the First-Year Seminar and Communication 1, 2, and 3 courses. For more specific details about the USP contact UW Registrar's office 307.766.3137 or registrar@uwyo.edu.

Core Components:

	Required Courses	Required Credits
First-Year Seminar (FYS)	1	3
(not required if at least 30 post high school credits)		
US & Wyoming Constitutions (V)	1	3
Communication 1 (COM1)	1	3
Communication 2 (COM2*)	1	3
Communication 3 (COM3)	1	3
Quantitative Reasoning (Q)	1	3
Physical and Natural World (PN)	2	6
Human Culture (H)	2	6

ACCT - Accounting

ACCT 2010 - Principles of Accounting I (4 credits)

A study of the basic principles of accounting as they apply to a sole proprietor, partnership, and corporation. Prerequisite: Recommended completion of or placement test score into MATH 0920 or higher. (4 lect.)

ACCT 2020 - Principles of Accounting II (3 credits)

The student will study the basic principles of accounting as they apply to planning and controlling business operations, corporate accounting, financial statements, and managerial accounting. Prerequisite: Completion of ACCT 2010. (3 lect.)

ACCT 2050 - Gov/Non-Profit Org Accounting (3 credits)

An introduction and study of the basic principles of accounting for governmental and nonprofit organizations as they apply to accounting for governmental funds, proprietary funds, fiduciary funds and account groups. Generally offered in Spring only. Prerequisite: Completion of ACCT 2010 or instructor's permission. (3 lect.)

ACCT 2110 - QuickBooks Accounting (2 credits)

This course offers an introduction to accounting software and its practical application within the accounting cycle. The student will receive hands-on training in setting up initial accounting records for a business using the software, recording a variety of accounting transactions, producing reports, reconciling accounts, and closing the books for end of the fiscal year. (1 lect., 2 lab) ***IT***

ACCT 2230 - Intermediate Accounting I (3 credits)

The primary purpose of financial accounting is to deliver relevant financial information to external users, such as investors and creditors. This course examines the fundamental principles and procedures of accounting with a strong emphasis on the analysis, interpretation, and controls necessary for providing accurate financial data to external entities. Key financial statements covered include the balance sheet, income statement, and statement of cash flows. Additionally, the student will explore topics such as income measurement, profitability analysis, time value of money concepts, and inventory accounting. Prerequisite: Completion of ACCT 2020. (3 lect.)

ACCT 2430 - Income Tax (3 credits)

The student will gain up-to-date tax knowledge relevant to a wide range of taxpayers. By the end of the course, the student will be equipped to prepare their own tax return as well as have a solid foundation for a career in preparing individual and business taxes. (3 lect.)

ACCT 2450 - Cost Accounting (3 credits)

This course explores the core principles of managerial cost accounting, focusing on the accumulation and reporting of financial information for product, job, process, standard costing, and activity based costing. It also examines the essential tools and processes that support planning, decision-making, profitability, and control activities within an organization. Prerequisite: Completion of ACCT 2010. (3 lect.)

AECL - Agroecology

AECL 1000 - Agroecology (4 credits)

This course introduces students to the ecological interactions that exist in agricultural systems and how these interactions impact food production both locally and on a global scale. This course investigates the challenges of feeding growing populations with a fixed resource based (land) and the economic, political, and environmental challenges facing agricultural food production. (3 lect., 3 lab)

AECL 1060 - Market Farming: (1-3 credits)

This course introduces the student to essential farm and garden skills applicable to everything from backyards to commercial scale operations. The student will study the core principles of regenerative small farm management including soil health and preparation, crop variety selection, planting techniques and timing, harvesting, season extension strategies, and marketing. Emphasis is placed on how each subject fits into the broader framework of a successful farm or garden, enabling the student to develop a holistic, well-coordinated approach to growing food. (0.5-1 lect., 1-4 lab)

AECL 1970 - Crop Production Practicum 1 (3 credits)

The student will receive hands-on skills for diverse fruit and vegetable crop production with an emphasis on soil health, organic and regenerative principles. Early season growing methods and techniques suitable for both field and garden scale production will be covered. The format consists of online learning modules with course content, quizzes, activities and in-person field based classes four days a week. Field days will include off site farm tours and guest specialists. (6 lab)

AECL 1971 - Crop Production Practicum II (3 credits)

The student will develop hands-on skills for diverse fruit and vegetable crop production with an emphasis on soil health, organic and regenerative principles. Mid-season growing methods and techniques suitable for both field and garden scale production will be covered. The format consists of online learning modules with course content, quizzes, activities and in-person field based classes four days a week. Field days will include off site farm tours and guest specialists. (6 lab)

AECL 1972 - Crop Production Practicum III (3 credits)

The student will develop hands-on skills for diverse fruit and vegetable crop production with an emphasis on soil health, organic and conservation principles. Late-season growing methods and techniques suitable for both field and garden scale production will be covered. The format consists of online learning modules with course content, quizzes, activities and in-person field based classes four days a week. Field days will include off site farm tours and guest specialists. (6 lab)

AECL 2100 - Integrated Resource Management (3 credits)

This is a capstone course designed to integrate farm and ranch management skills into the day to day farming/ranching practices. Students are required to develop a farm/ranch management plan which encompasses farm/ranch resource inventory, strategic planning, strategies, and tax liability management. In addition, incorporated into the plan are grazing and forage management, cropping systems, marketing, and human resource management strategies. The plan will be evaluated by industry experts. Prerequisites: Completion of ANSC 1010, AGEC 2020, REWM 2000 or AECL 1000 or SOIL 2010. (3 lect.)

AECL 2140 - Food, Ethics, and Sustainability (3 credits)

This course will examine the movement of food from seed to table, from a local to global perspective. The student will explore the interconnectedness of food systems and our relationships to them, as well as the ethical and political implications of our current food system. The student will consider the impact our food choices have on the environment, economy, and local communities. (3 lect.)

AFVT - Alt Fuel Vehicle Tech

AFVT 1625 - Hybrid & Elec Vehicle Operation Concepts (3 credits)

In this course the students will be introduced to the science and technology that is used in hybrid and electric vehicles. The students will also be introduced to hybrid and electric vehicle terminology and system classification. The student will examine battery technology, AC motors, high voltage generators, motor/generator controllers, regenerative braking, ICE (internal combustion engine) integration with the electric machine, and unique hybrid support systems. (3 lect.,)

AGEC - Ag Economics

AGEC 2010 - Farm and Ranch Business Records (3 credits)

This course introduces students to the basic accounting principles, business methods, financial measures, and indicators commonly found in an agricultural operation. Students are introduced to recordkeeping requirements and methods, use of a balance sheet and income statement, enterprise budgeting, cash flow budgeting, partial budgeting, and forms of farm business organization. (3 lect.)

AGEC 2020 - Farm and Ranch Business Management (4 credits)

This course is designed to introduce the student to economic principles, business methods, and science applied to agricultural organization and operation. The measurement of business size, rate and efficiency of production is emphasized. (4 lect.)

AGEC 3050 - Applied Ethics: US and World Agriculture (3 credits)

This course in agricultural ethics is designed to provide the student the opportunity to evaluate ethical issues pertaining to agriculture, natural resources, and food systems in the U.S. and abroad. The student will engage in debate, group discussion, written evaluation, and team collaboration. (3 lect.)

AGEC 3100 - Agricultural Economics (3 credits)

This course is designed to provide the student an advanced study of economic principles, trends, and production alternatives as they pertain to agricultural economics. The student will recommend a plan for production alternatives. (3 lect.)

AGEC 3400 - Agricultural Law (3 credits)

This course is designed to provide the student the opportunity to evaluate concepts and terminology used in agricultural law and the legal system in relation to real-life situations. The student will explore sources of legal information and will project how legal principles may affect them, their families, farms, or businesses. (3 lect.)

AGEC 4050 - Agribusiness Marketing (3 credits)

This course is designed to provide the opportunity for the student to evaluate decision-making activities as they pertain to competitive marketing environments, functionality, and behavioral trends specific to agriculture. The student will assess trade, policies, barriers, and agreements that impact agricultural trade, and will develop a marketing project for presentation. Prerequisite: Completion of AGEC 3100. (3 lect.)

AGRI Agriculture

AGRI 1010 - Computer Technology in Agriculture (3 credits)

This course explores the use of various software packages and services that are likely to be used in an agricultural setting. The student will be introduced to basic and advanced capabilities of software packages and applications with specific emphasis on cloud-based office productivity applications. The student will examine the positive and negative impacts technology has had on the agricultural industry and the implications of those impacts on the future of agriculture. (3 lect.)

AGRI 1100 - Intro to Controlled Environment Agriculture (CEA) (3 credits)

This course examines various forms of controlled environment agriculture including hydroponics, indoor vertical farming, and greenhouse production. The student will study the basics of intensive, high-value crop production in a fully automated shipping container farm and climate controlled greenhouse through lectures, hands-on activities, and guest speakers. (2 lect., 2 lab)

AGRI 2030 - Contemporary Growing Systems (3 credits)

This course examines alternative methods of growing food in various settings, from large cities to arctic environments. The student will study permaculture principles, hydroponics, aquaponics, and urban farming through lecture presentations, guest speakers, and occasional field trips. (3 lect.)

AGRI 3100 - Agricultural Safety (3 credits)

This course evaluates practices and strategies for safe operation and injury prevention in agricultural enterprises such as shop and machinery operations, chemical applications, livestock handling, transportation, and farm-based recreation. The student will assess trends and publications, recommend best safety practices, and prepare a safety inspection and audit for an agriculture facility. (2 lect., 2 lab)

AGRI 3200 - Forages and Crops (3 credits)

This advanced course is designed to provide the opportunity for the student to evaluate the components, management, and production processes for forages and crops. The student will engage in implementing the layout and management of forage and grazing systems and will develop a forage management plan within a theoretical context. (3 lect.)

AGRI 3470 - Agriculture Internship I (3 credits)

This advanced course provides the opportunity for the student to implement technical skill sets in a real-world setting and evaluate facets of an agricultural firm, agency, or organization under the supervision of a designated faculty member. The student will be required to work 20 to 40 hours per week. (1 lect., 20 work experience)

AGRI 4395 - Agricultural Capstone (3 credits)

This capstone course provides the student with an opportunity to increase their impact and effectiveness as an agricultural leader and manager. The student will integrate and apply knowledge and skills acquired in the Agricultural Leadership Option of the Bachelor of Applied Science in Organizational Management and Leadership Degree by creating a capstone project. (3 lect.)

AGRI 4470 - Agriculture Internship II (3 credits)

This advanced course provides the opportunity for the student to integrate professional and technical skills, evaluate multiple facets of an organization, execute organizational and management practices, and evaluate the internship experience in terms of predetermined goals. The student will be required to work 20 to 40 hours per week. This course continues the development of on-the-job skills. Prerequisite: Completion of AGRI 3470. (1 lect., 20 work experience)

ANSC - Animal Science

ANSC 1010 - Intro to Animal Science (4 credits)

This is an introductory course focusing on modern livestock production and management practices. Students study meat and dairy products of livestock production, livestock selection, nutrition, breeding, genetics, reproduction, health and disease. Domestic livestock species studied in this course include sheep, beef cattle, dairy cattle, swine, and horses. (3 lect., 2 lab)

ANSC 1030 - Equine Management (3 credits)

This course will encompass a thorough understanding of equine evolution, anatomy, physiology, care and management. Students will learn about equine health concerns and how to manage them. (3 lect.)

ANSC 1070 - Livestock Fitting and Showing (2 credits)

The student will obtain hands on experience working with livestock while obtaining knowledge of the facilities and showing techniques. The student will gain an increased understanding of animal behavior while developing or enhancing their knowledge of fitting and showing techniques for a lamb, pig, beef heifer/steer, or horse. Those enrolled will be expected to train, groom and fit their selected animal and exhibit this animal. All animals and required equipment will be furnished, although the student may use personal equipment if preferred. (2 lect.)

ANSC 1100 - Artificial Insemination (2 credits)

This course encompasses the artificial insemination techniques used in cattle. Students will become familiar with all artificial insemination tools, semen handling techniques, and will practice insemination on live cattle. This course will also cover general management practices for beef cattle operations including evaluation of reproductive health, heifer development, genetic selection, and nutritional needs of bovine females. (1 lect. 2 lab)

ANSC 1210 - Livestock Judging I (3 credits)

This class is a detailed consideration of the factors involved in the selection and evaluation of cattle, sheep, goats, and swine for breeding and slaughter. The Collegiate Livestock Judging Team is selected from this class. This is primarily a lab class. (1 lect., 4 lab)

ANSC 1220 - Livestock Judging II (3 credits)

This class is a continuation of the topics of Livestock Judging 1. The student will be evaluated on their knowledge of livestock breeds, ages, and sex classifications. The student will explore animal evaluation, classification, grading, and usage in all segments of the animal agriculture industry. This is primarily a lab course. Prerequisite: Completion of ANSC 1210. (1 lect., 4 lab)

ANSC 2010 - Domestic Animal Metabolism (3 credits)

This course integrates cellar and whole-animal metabolism through introduction to metabolic regulation. The student will be introduced to the nomenclature, structures and functions of cellular metabolites and vitamins. Chemical structure will be related to cellular reaction in various tissue types of domestic animals. Ruminants and non-ruminants will be contrasted. (3 lect.)

ANSC 2020 - Feeds and Feeding (4 credits)

This course introduces students to the basic concepts of animal nutrition, feeding, and the usage of various feedstuffs to meet livestock nutritional objectives. Students study gastrointestinal tract anatomy and physiology of common livestock species, and nutritional requirements during the various phases of livestock production. The course explores nutritional classification and characteristics of various feedstuffs, digestibility, nutrient analysis, and the role nutrients perform in the diet of livestock species. Calculations of least cost feeding rations are completed both manually and using computerized ration balancing software. (3 lect., 2 lab)

ANSC 2230 - Livestock Judging III (3 credits)

This class is designed to coordinate with the Animal and Meat Evaluation, Livestock Judging I and II courses to continue the development of individual livestock judges toward collegiate competition. The student will be evaluated on their knowledge of breeds, ages, and sex classifications of livestock. The student will heighten their understanding of evaluation, classification, grading, and their usage in all segments of the animal industry. This is primarily a lab course. Prerequisite: Completion of ANSC 1220. (1 lect., 4 lab)

ANSC 2240 - Livestock Judging IV (3 credits)

This class is designed to coordinate with the Animal and Meat Evaluation, Livestock Judging I, II, and III courses to continue the development of individual and teams of livestock judges to the point of collegiate competition. The student will be evaluated on their knowledge of breeds of livestock, ages, and sex classifications. The student will heighten their understanding of evaluation, classification, grading and their usage in all segments of the animal industry. This is primarily a lab course. Prerequisite: Completion of ANSC 2230. (1 lect., 4 lab)

ANSC 3150 - Equine Nutrition and Physiology (3 credits)

This course provides a detailed examination of the anatomical, physiological, and biochemical processes within an equine's digestion, absorption, metabolism, and nutritional maintenance for equines. The student will explore the function of nutrients and the development of appropriate rations and dietary requirements. Prerequisites: Completion of BIOL 2022. (3 lect.)

ANTH - Anthropology

ANTH 1100 - Introduction to Biological Anthropology (3 credits)

Anthropology is the comparative study of the whole spectrum of human existence and culture across time and space to address fundamental questions about what we are and why. In other words, the geological, climatological, biological, cultural processes, and circumstances that created human variation through time and around the world. The sub-discipline of physical anthropology examines humans as biological organisms. Broadly, the course is a survey of basic physical, or biological, anthropology including origin, evolution, and biological nature of the human species and non-human primates. Topics include field and laboratory research methodologies, technologies, interpretive theories, and principles used in paleontology and other branches of physical or biological anthropology; genetics and the mechanics of evolution; non-human primate and pre-human origins and evolution; the fundamental theories and principles associated with the origin, evolution, and interdependent biological and cultural adaptation of homo sapiens; the immense variation in human adaptation (including dependence on technology); global human dispersal and settlement, including modern migration due to environmental, social, political, economic or other causes. (3 lect.) ***SOC***

ANTH 1200 - Introduction to Cultural Anthropology (3 credits)

Cultural anthropology is the systematic analysis of social organization, diversity, and adaptation. This social science uses well-developed field research and interpretive theories and methodologies to understand human cultural adaptation and variation. Cultural anthropology explores the complex interrelationships of environment, family, kinship structures, political and religious organization, gender, race, and ethnicity, technology, economy including acquisition of goods and cultural modes for production of food and other necessities, arts, and language of cultures from around the globe. This course examines evolving adaptations to environmental, economic, socio-political and other changes or stresses within and between cultures from around the globe. The course examines complex relations between groups within modern nations, particularly as formerly isolated ethnic and indigenous groups encounter globalization, migration, and transnational's, and are further impacted by cultural contact, tourism, diseases, environmental issues, etc. (3 lect.) ***SOC***

ANTH 1300 - Intro to Archaeology (3 credits)

This course explores ways in which prehistoric material remains can provide an understanding of the cultural way of life. General background in archaeological method and theory is used to examine case studies from throughout the world, based on themes such as ceramic technology and artistry development, growth of early civilizations and North American prehistory. (3 lect.) ***SOC***

ANTH 2010 - Cultural Resources Field School (3 credits)

This course provides hands-on practical training in field research methods typically emphasizing systematic surface survey methodology, use of mapping instruments, recording prehistoric and/or historic sites, controlled excavation of stratified cultural deposits, analysis of prehistoric and/or historic material cultural remains, and other tasks. Experience is gained in the context of day-to-day operations of long-term field research projects designed to locate and collect specimens, and generate records and data that will support further laboratory analysis. The student will apply skills and competencies in written and oral communications directed toward eventual publication of research results. The student will utilize new-found professional knowledge, skills and abilities will make important contributions to the research of regional history and prehistory while they are learning field methods. Through discussions and practical applications, the student will develop a thorough understanding of how their work in the field relates to the project research design. Due to the potentially sensitive nature of the findings, confidentiality is mandatory. Related workshops, tours, and discussions include plains cultural history, dating methods, zoological analysis, public archaeology. As a field methods course, in addition to contributing to the success of an archaeological research project, the student will work and live in remote locations requiring participants to safely camp and hone interpersonal skills while working and living together as a group for the duration of the project. The student will do their share of camp chores as a requirement of their participation in this course. This is a physically demanding field course requiring physical fitness for the student to walk on rough ground, occasionally while carrying heavy, awkward equipment by hand or in backpacks; dig large holes with hand tools; bend over or kneel for long periods of time; and work and live outdoors in a variety of inclement weather conditions. The student must have health insurance. Prerequisites: None. (3 lect.) (Max 9)

ANTH 2020 - Material Culture Studies (3 credits)

This course provides introductory level, lab-oriented hands-on practical training in the handling, identification, analysis, cataloging, report writing, conservation, curation, exhibition, and proper storage of material culture objects including prehistoric and historic archaeological artifacts, museum objects, art, and other cultural objects. Through readings, discussions, field trips, and practical applications, students will preserve and utilize material culture remains in archaeological laboratory and museum workshop and exhibit situations. The course introduces students to theoretical arguments about the nature and function of cultural representations and provides an introduction to museum organization; museological theory and philosophy; concepts of museum exhibition and interpretation. It discusses how collections and objects can be used as sources of meaning and information, and how museums and numerous other institutions can be used as educational resources. This is a methods class and may require students to lift and carry large, heavy, awkward, very fragile, and/or delicate objects, nearly all of which are irreplaceable. This course may also require the use of power and hand carpentry and other tools. Prerequisite: Instructor's permission. (1 lect., 4 lab)

ANTH 2022 - Petroglyphs & Primitive Art (3 credits)

This course presents an overview of worldwide prehistoric artistic archetypes through time and the relationship between hunter-gatherer and developing agricultural societies' survival strategies and artistic endeavors with a focus on Wind River Basin indigenous peoples. A required component of the class is field trips to prehistoric hunter-gatherer habitation, petroglyph, and pictorial sites. Field trips allow students to experience the habitats and evidence of ancient peoples in the area, thus increasing their understanding of the variety of artistic, anthropological, and sociological components of ancient peoples' art and lifestyles. (2 lect., 2 lab.) ***HUM***

ARAP - Arapaho

ARAP 1010 - Arapaho I (4 credits)

This introductory Arapaho language course is designed to acquaint students with the basic sounds that make up the Arapaho language. The Arapaho alphabet will be learned and used as a basis for study. Literacy in Arapaho using the "Salzmann system" will enable students to progress at their own rate. (4 lect.)

ARAP 1020 - Arapaho II (4 credits)

The content of the course will center on how the basic sounds of the Arapaho language are put together to form Arapaho words, along with a study of the meaning of words learned. A study of how words are strung together to make up meaningful phrases or sentences and how the phrases and sentences are put together to form an appropriate conversation or to tell a short story. Prerequisite: Completion of ARAP 1010. Arapahoe language speakers may talk with the instructor if they wish to enter the class without meeting the prerequisite. (4 lect.)

ARAP 2030 - Arapaho III (4 credits)

This is a continuation of ARAP 1020, providing a more thorough approach to complete conversations, culture and protocol. Prerequisite: Completion of ARAP 1020. Arapahoe language speakers may talk with the instructor if they wish to enter the class without meeting the prerequisite. (4 lect.)

ARAP 2040 - Arapaho IV (4 credits)

This course includes the study of all written materials preserved by the Arapaho Culture Commission. Reading, translating and interpretation of stories and legends will be assigned. Written Arapaho stories require thorough understanding, accomplished only through study, to maintain oral tradition for modern times. Prerequisite: Completion of ARAP 2030. Arapahoe language speakers may talk with the instructor if they wish to enter the class without meeting the prerequisite. (4 lect.)

ART - Art

ART 1000 - General Studio Art (3 credits)

This is an art appreciation course designed for students with little or no art experience. This hands-on class will explore a variety of art creating materials and approaches while discussing historical and contemporary art movements and artists. (2 lect., 4 lab) ***ARTS***

ART 1005 - Drawing I (3 credits)

This course introduces students to drawing through a variety of medias. The student is encouraged to become visually aware and to develop a technical command of the materials, concepts, and techniques associated with the two-dimensional surface. Lectures and critiques include theory, history, and appreciation of drawing. (2 lect., 4 lab) ***ARTS***

ART 1110 - Foundation - Two Dimensional (3 credits)

This is a foundation-level course that explores the fundamentals of design. Specific projects are designed to give the student visual and practical experience in the use of color and composition as it relates to two-dimensional art. Discussion will include design and its relationship in historical and contemporary cultures. (2 lect., 4 lab)

ART 1120 - Foundation - Three Dimensional (3 credits)

This is a foundation-level course that explores the fundamentals of design. Specific projects are designed to give the student experience in understanding the use of various media in three-dimensional art forms. Composition, form development, and sculpture technique all combine to enhance critical thinking skills. (2 lect., 4 lab)

ART 1130 - Foundations: Color Theory (3 credits)

This foundation level course explores the fundamentals of color in art. Specific projects are designed to give the student visual and practical experience in the use of color. Discussion will include color and its relationship to historical and contemporary cultures and artworks. (2 lect., 4 lab)

ART 1150 - B&W Film Photography I (3 credits)

This is an introductory course in black and white photography with both lecture and lab work on camera use, film processing, and photographic printing. The development of ideas and concepts is encouraged through theory, criticism, and historical reference. (2 lect., 4 lab) ***ARTS***

ART 1160 - B&W Film Photography II (3 credits)

This is an intermediate course in photography which offers additional practice in black and white photography and camera use with intermediate dark room techniques. In addition, students will be encouraged to continue developing techniques and concepts related to photography. Prerequisite: Completion of ART 1150. (2 lect., 4 lab)

ART 1175 - Mobile Device Photography (1 credit)

This course covers mobile photography, which is the act of capturing an image on a mobile device such as a cell phone or tablet. The student will then share the image to the Internet via email or social media. Digital Images will be edited with downloadable apps. (.5 lect., 1 lab)

ART 1177 - Digital Imaging (3 credits)

This course is designed to explore the unique capabilities of Photoshop or other graphics software to create and transform digitized images. Emphasis will be placed on the development of expressive visual art through the use of art and design concepts. In addition, the student will be encouraged to continue developing techniques and concepts related to digital imaging. Digital Images will be edited using current Adobe Creative Cloud Software. Prerequisite: The student should have basic computer/Windows skills. (2 lect., 2 lab)

ART 1350 - Metal Fabrication (3 credits)

This course teaches various techniques in creating fabricated steel art works. Instruction includes blacksmithing and welding equipment, as well as finishing techniques and surface treatments for steel. The development of ideas and concepts are encouraged through theory, criticism, and historical reference. This course may be repeated for a maximum of six credits applicable toward graduation. (2 lect., 4 lab) (Max 6)

ART 2010 - Art History I (3 credits)

This course is the first semester of a one-year survey of art history. The course will begin with the Paleolithic era and finish with Gothic art. Within this time span, the student will learn of various social, economic, and historical factors which motivated and conditioned the aesthetic forms. The student will also learn to recognize the stylistic characteristics of each period. (3 lect.) ***HUM***

ART 2020 - Art History II (3 credits)

This course is the second semester of one-year survey of art history. The course will begin with the Renaissance and end with the 21st century. Within this time span, the student will learn of various social, economic, and historical factors which motivated and conditioned the aesthetic forms. The student will also learn to recognize the stylistic characteristics of each period. (3 lect.) ***HUM***

ART 2140 - Photography III (3 credits)

This is an advanced course in digital or film photography with greater emphasis on individual projects or portfolios. The student will be expected to not only critique their own photography but also the work of their peers. Specific emphasis will be placed on development of focused thematic content. Prerequisite: Completion of ART 1160 or ART 2146. (2 lect., 4 lab)

ART 2141 - Professional Practice in the Arts (1 credits)

This course is designed to provide a foundation of practical information to assist students in building a successful professional career in the visual arts. The student will research practical application of professional practices and business skills. Topics include locating and using arts information, career planning, and business practices specific to the visual arts. (1 lect.)

ART 2145 - Digital Photography I (3 credits)

This is an introductory course for the digital camera. The student will develop skills in pixel-based photographic design and printing. It will cover digital camera operation, photo editing, software, and printing. Development of artistic ideas and concepts is encouraged through theory, criticism, and historical reference. Digital Images will be edited using current Adobe Creative Cloud Software. The student MUST provide their own camera. (2 lect., 4 lab) ***ARTS***

ART 2146 - Digital Photography II (3 credits)

This is an advanced class in digital photography and image editing software within graphic design. The student will learn photographic and computer techniques essential for creating computer manipulated imagery. This course is designed to further develop the student's skills in pixel based photographic design and printing. There will be an emphasis on precise exposure control with a focus on design and the history of photography. Digital images will be edited with Adobe Photoshop. Prerequisite: Completion of ART 2145. (2 lect., 4 Lab)

ART 2150 - Color Photography I (3 credits)

This is a course in color photography with both lecture and lab work on camera use, reflective versus transmissive, and color theory as it applies to light. Study will emphasize the use of light and composition. The development of ideas and concepts are encouraged through theory, criticism, and historical reference. Prerequisite: Completion of ART 2145. (2 lect., 4 lab)

ART 2177 - Digital Imaging II (3 credits)

This course builds on the ideas and design concepts presented in Digital Imaging I. The student will use current Adobe CC software to solve design problems and create original works of visual art. The course will teach advanced methods of combining images and text, pictorial composition, and layout. Prerequisite: Completion of ART 1177. (2 lect., 2 lab)

ART 2210 - Painting I (3 credits)

This course is an introduction to all the elements of painting with emphasis on composition, color, and pictorial design. In addition, this course stresses development of technical skills related to paint and its application. (2 lect., 4 lab) ***ARTS***

ART 2220 - Painting II (3 credits)

This is an intermediate course in painting. The student is encouraged to explore different paint media (oil, acrylic, watercolor, etc.) or to focus on one area of study. In addition, the student will be encouraged to continue developing techniques and concepts related to painting. Prerequisite: Completion of ART 2210. (2 lect., 4 lab)

ART 2230 - Painting III (3 credits)

This is an advanced course in painting. The student is encouraged to explore different paint media (oil, acrylic, watercolor, etc.) or to focus on a specific medium of choice. Continued development of techniques and concepts related to painting will be encouraged. Specific emphasis will be placed on development of focused thematic content. Prerequisite: Completion of ART 2220. (2 lect., 4 lab)

ART 2310 - Sculpture I (3 credits)

This course is an introduction to the fundamentals of sculpture. The student will investigate traditional and contemporary concepts through a variety of media. The development of ideas and concepts is encouraged through theory, criticism, and historical reference. (2 lect., 4 lab) ***ARTS***

ART 2320 - Sculpture II (3 credits)

This is an intermediate course in sculpture. The student is allowed the freedom to explore a variety of processes (additive, subtractive, and assemblage) and materials (stone or wood carving, welding/forging, found materials) or to focus on one area of study. In addition, the student will be encouraged to continue developing techniques and concepts related to sculpture. Prerequisite: Completion of ART 2310. (2 lect., 4 lab)

ART 2330 - Sculpture III (3 credits)

This is an advanced course in sculpture. The student is allowed the freedom to explore a variety of processes (additive, subtractive, and assemblage) and materials (stone or wood carving, welding/forging, found materials) or focus on one area of study. In addition, the student will be encouraged to continue developing techniques and concepts related to sculpture. Specific emphasis will be placed on development of focused thematic content. Prerequisite: Completion of ART 2320. (2 lect., 4 lab)

ART 2345 - Art Metal Casting (3 credits)

This course is an examination of the bronze casting processes in sculpture. The student will learn the lost wax and sand casting methods, as well as the finishing procedures for their bronze sculptures. The development of ideas and concepts are encouraged through theory, criticism, and historical reference. (2 lect., 4 lab)

ART 2385 - Art Glass I (3 credits)

This course is an introduction into the use of glass as an artistic medium. Slumping/fusing and stained glass processes will be explored by the student through a variety of hands-on projects. The development of ideas and concepts are encouraged through theory, criticism, and historical reference. (2 lect., 4 lab)

ART 2386 - Art Glass II (3 credits)

This is an intermediate course in art glass in which the students is allowed to explore different glass techniques or focus on one area of study. In addition, the student will continue to develop techniques and concepts related to art glass. Prerequisite: Completion of ART 2385. (2 lect., 4 lab)

ART 2387 - Art Glass III (3 credits)

This is an advanced course in glass. The student is encouraged to explore different processes and techniques in glass that include stain/panel, slumping/fusing, and blowing of glass. Continued development techniques and concepts related to glass will be encouraged. Specific emphasis will be placed on development of a focused thematic content. Prerequisite: Completion of ART 2386. (2 lect., 4 lab)

ART 2405 - Advanced Projects - 2D (3 credits)

This is an advanced two-dimensional media course in which the student focus on developing of advanced concepts and techniques while providing input and criticism to their fellow students. This course may be taken for a maximum of twelve credits applicable toward graduation. Prerequisite: Instructor's permission. (2 lect., 4 lab) (Max 6)

ART 2406 - Advanced Projects - 3D (3 credits)

This is an advanced three-dimensional media course in which the student will focus on the developing of advanced concepts and techniques while providing input and criticism to their fellow students. This course may be taken for a maximum of twelve credits applicable toward graduation. Prerequisite: Instructor's permission. (2 lect., 4 lab) (Max 6)

ART 2410 - Ceramics I (3 credits)

This is an introductory course in ceramics. The student will utilize hand-building and wheel-throwing techniques in the creation sculptural and functional artworks. In addition, basic glaze application and kiln firing processes will be presented. The development of ideas and concepts are encouraged through theory, criticism, and historical reference. (2 lect., 4 lab) ***ARTS***

ART 2420 - Ceramics II (3 credits)

This is an intermediate course in the exploration of wheel-thrown and hand-built techniques of ceramics, with further experimentation in glazes and firing. Design principles will be emphasized in this studio class. In addition, the student will be encouraged to continue developing techniques and concepts related to ceramics. Prerequisite: Completion of ART 2410. (2 lect., 4 lab)

ART 2430 - Ceramics III (3 credits)

This is an advanced course in ceramics. The student is allowed the freedom to explore a variety of ceramic forming techniques or to focus on one. Advanced kiln firing and glazing techniques will also be covered. In addition, the student will be encouraged to continue developing techniques and concepts related to ceramics. Prerequisites: Completion of ART 2420. (2 lect., 4 lab)

ART 2480 - Special Projects: Drawing: (1 - 3 credits)

Special Projects: Drawing is designed for the student wishing to explore a single aspect or topic of drawing in depth. The course will be offered for 1, 2, or 3 credits depending on the topic and semester. Topics will be identified in the current schedule and will include courses such as anatomy, figure drawing, portrait drawing, pastel drawing, and mixed media with drawing. This course may be repeated for a maximum of six credits applicable toward graduation. (.5 lect., 1 lab/1 lect., 2 lab/ 1.5 lect., 3 lab) (Max 6)

ART 2482 - Special Projects: Painting (1 - 3 credits)

This course is designed for the student wishing to explore a single aspect or topic of painting in depth. The course will be offered for 1, 2, or 3 credits depending on the topic and semester. Topics will be identified in the current schedule and will include areas such as encaustic, oil, or watercolor. This course may be repeated for a maximum of six credits applicable toward graduation. (.5 lect., 1 lab/1 lect., 2 lab/ 1.5 lect., 3 lab) (Max 6)

ART 2483 - Special Projects: Printmaking (1 - 3 credits)

This course is designed for the student wishing to explore a single aspect of printmaking in depth. The course will be offered as 1,2 or 3 credits depending on the topic and semester. Topics will be identified in the current schedule and will include areas such as silkscreen, monoprint, intaglio, and relief. This course may be repeated for a maximum of 6 credits applicable toward graduation. (.5 lect., 1 lab/1 lect., 2 lab/ 1.5 lect., 3 lab) (Max 6)

ART 2484 - Special Projects: Photography (1 - 3 credits)

This course is designed for the student wishing to explore a single aspect of photography in depth. The course will be offered as 1, 2, or 3 credits depending on the topic and semester. Topics will be identified in the current schedule and will include areas such as alternative photographic processes such as cynotypes, color, non 35 mm formats, and platinum printing. Course may be repeated for a maximum of 6 credits applicable toward graduation. (.5 lect., 1 lab/1 lect., 2 lab/ 1.5 lect., 3 lab) (Max 6)

ART 2485 - Special Projects: Ceramics (1 - 3 credits)

This course is designed for the student wishing to explore a single aspect of ceramics in depth. The course will be offered as 1, 2, or 3 credits depending on the topic and semester. Topics will be identified in the current schedule and will include areas such as advanced throwing, hand-building, glazing and firing techniques. In some cases, students may be required to provide their own greenware or bisque. This course may be repeated for a maximum of 6 credits applicable toward graduation. Prerequisite: Completion of ART 2410. (1-3 lect.) (Max 6)

ART 2487 - Special Projects: Sculpture (1 - 3 credits)

This course is designed for the student wishing to explore a single aspect of sculpture in-depth. This course will be offered as 1, 2, or 3 credits depending on the topic and semester. Topics will be identified in the current schedule and will include areas such as metals, addition or subtraction methods, assemblage, new media and installation. This course may be repeated for a maximum of six credits applicable towards graduation. (.5 lect., 1 lab/1 lect., 2 lab/1.5 lect., 3 lab) (Max 6)

ASL - American Sign Language

ASL 1010 - American Sign Language I (4 credits)

This course examines basic principles of American Sign Language (ASL) including accurate sign production and nonverbal techniques. Vocabulary of 1500 basic signs and the ability to functionally communicate in ASL will be attained by semester end. Prerequisites: ENGL 1010 or consent of instructor. (4 lect.)

ASL 1020 - American Sign Language II (4 credits)

This course is a continuation of Beginning Sign Language and emphasizes receptive and expressive fluency and understanding of American Sign Language (ASL). ASL vocabulary, grammar and pragmatics are emphasized, and translation from English to ASL is discussed. Prerequisites: ASL 1010. (4 lect.)

ASTR - Astronomy

ASTR 1050 - Survey of Astronomy (4 credits)

Survey of Astronomy is a course in descriptive astronomy. Subjects covered include, but are not limited to, historical astronomy, origin of the solar system, inner planets, outer planets, birth and evolution of stars, relativity, black holes, the Milky Way, and other galaxies. This course is designed primarily for non-science majors. (3 lect., 3 lab) ***LSCI***

ASTR 1070 - The Earth: Its Physical Environment (4 credits)

This course is a broad introductory level course in Earth and space science covering topics from physical and historical geology, meteorology, oceanography, planetary astronomy and stellar astronomy. It illustrates fundamental concepts, processes, products and the relationships between them. The course emphasizes the nature of science and relationships between selected topics and society. This course serves elementary education majors (who should also enroll in EDEL 1450 concurrently or the next semester) as well as other non-science majors. This course cannot be used as LSCI credit toward any A.S. degree in Science or Math. Students earning credit in ASTR 1070 may not earn credit in GEOL 1070. (3 lect., 3 lab) ***LSCI***

ATSC - Atmospheric Science

ATSC 2000 - Introduction to Meteorology (4 credits)

Introduction to Meteorology is a study of the atmosphere, its composition, structure, and properties, with emphasis on the various processes responsible for weather, climate controls and change, and the impact of atmospheric phenomena on society. The course introduces students to the fundamental scientific principles of weather and climate through application to everyday, near real-time weather events. Students will analyze current weather data. Basic math and computer skills are required; access to the Internet and a printer are required. Prerequisite: Completion of MATH 0930, MATH 1000 or test into MATH 1400 or higher. (3 lect., 3 lab) ***LSCI***

ATSC 2110 - Introduction to Climatology (4 credits)

Introduction to Climatology is a study of the Earth's climate system utilizing historic and current environmental data. The course will emphasize the science of climate including the various processes responsible for defining climate on local, regional, national, and global scales. The course also addresses the social and societal impacts of climate change. Students will analyze historic, modern, and forecast climate data. Basic math, science, and computer skills are required. Prerequisite: Completion of MATH 0930, MATH 1000, or test into MATH 1400 or higher. (Access to the Internet and a printer are required.)(3 lect., 3 lab) ***LSCI***

AUTO - Automotive Technology

AUTO 1500 - Basic Automotive Mechanics (4 credits)

This course focuses on the different automotive systems, how they function, and how the individual components of the system operate independently and as a complete system. The student will learn to apply correct technical terminology for the components vs. vernacular terminology. The student will learn the basic assembly and disassembly of certain repairable parts within an automotive system that will increase their working knowledge of the system or components. (2 lect., 4 lab)

AUTO 1504 - Automotive Safety & Pollution Prevention (0.5 credits)

This entry-level course is designed to satisfy Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) requirements for newly-hired employees in the automotive service sector. Upon successful completion of the course, students will be issued an S/P2 (Safety Pollution Prevention) certificate that is nationally recognized as the industry standard for environmental and safety awareness training. (.5 lect.)

AUTO 1510 - Engine Systems Fundamentals (4 credits)

This is an introductory course emphasizing the operational principles of basic engine systems and overhaul of the automotive engine. Emphasis is placed on proper use of precision measuring instruments and rebuilding tools, ability to locate and interpret engine specifications, engine diagnosis, and correct repair procedures. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500. (2 lect., 4 lab)

AUTO 1600 - Fuel Systems I (3 credits)

This is an introductory course in the theory, operation, diagnosis and repair of fuel systems. Emphasis will be on location and interpretation of specifications, proper use of test equipment, accurate diagnosis of malfunctions and the automotive fuel system to include electronic fuel injection and computer controlled carburetors, correct repair procedures, and drive-ability diagnosis. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500 and AUTO 1765. (1 lect., 4 lab)

AUTO 1605 - Snap-On Multimeter Training/Cert (0.5 credits)

This course introduces the student to the safe and proper operations of the Snap On 525 multimeter. Emphasis is placed on safe use of the multimeter, how to take accurate measurements of AC voltage, DC voltage, amperage, resistance, and additional multimeter test functions. Emphasis is placed on the proper way of connecting test leads to ensure maximum safety and accuracy when taking measurements. As part of this course students will have the opportunity to become Snap On certified. (0.5 lect.)

AUTO 1609 - EPA 609 Certification (0.5 credits)

This course introduces students to the information needed to complete the Federal Clean Air Act Section 609 certification test for a motor vehicles air conditioning refrigerant technician. This course works in conjunction with the ESCO Institute 609 training manual exam. Students successfully completing this course and the ESCO exam will be certified by the ESCO Institute. (.5 lect.)

AUTO 1690 - Manual Power Train Fundamentals (6 credits)

This course emphasizes the principles of operation, diagnosis, and repair of clutches, manual transmissions and trans-axles, drivelines, differentials, and front-wheel drive units. Emphasis is placed on understanding the principles of torque multiplication and speed reductions through the use of gearing, location, and interpretation of specifications, and correct troubleshooting and repair procedures. The student will learn written communication with service writers and customers through proper repair order write-ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500. (3 lect., 6 lab)

AUTO 1730 - Automatic Transmissions (4 credits)

This course encompasses the theory of operation, diagnosis, maintenance, and overhaul procedures of automatic transmissions and trans-axles with a major emphasis on the hydraulic systems and electronic controls used in automatic transmissions and trans-axles. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500. (2 lect., 4 lab)

AUTO 1740 - Brake Systems (4 credits)

The student will learn the fundamentals of brake operation, service, and repair. Emphasis is on accurate systems inspection, diagnosis, location and interpretation of specifications, use of special tools and equipment, and correct repair procedures with regard to safety and legal responsibility. The student is required to pass strict procedural testing to pass this course. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500 and AUTO 1765. (2 lect., 4 lab)

AUTO 1760 - Heating and Air Conditioning (4 credits)

This course introduces the student to the operation, diagnosis, and servicing of automotive air conditioning and heating systems and components. Emphasis is placed on electronic climate control troubleshooting and repair. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500 and AUTO 1765. (2 lect., 4 lab)

AUTO 1765 - Automotive Electrical Systems (4 credits)

The student will learn the fundamentals of electricity and magnetism, basic DC circuits used in automotive electrical systems, use of meters, wiring diagrams, automotive wiring repair, and the location and interpretation of specifications. Emphasis is placed on theory, operation, diagnosis and repair of starting and charging systems. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500. (2 lect., 4 lab)

AUTO 1770 - Automotive Electronics (4 credits)

This course is an introduction to the basics of semiconductors, microprocessors and selected electronic devices used in automobiles. Theory, operation, diagnosis and repair of ignition computer control and electrical-electronic accessory systems are emphasized in this course. The student will use scan tools, lab scopes, a Digital Volt Ohm Meter, engine analyzers and various other diagnostic equipment to analyze electronic systems and determine necessary repairs. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500 and AUTO 1765. (2 lect., 4 lab)

AUTO 2510 - Engine Performance I (4 credits)

This course emphasizes the theory, operation, diagnosis, and repair of the systems that affect engine performance. Emphasis is placed on the accurate diagnosis of malfunctions using a variety of modern test equipment and manufacturer-recommended repair procedures. Areas of study include camshaft designs, fuel systems, intake and exhaust systems, performance enhancers, diesel exhaust treatment systems, and diagnostic procedures. Prerequisite: Completion of AUTO 1500, AUTO 1765, and AUTO 1770. (2 lect., 4 lab)

AUTO 2520 - Engine Performance II (4 credits)

This course is a continuation of Engine Performance I. Areas of study include ignition systems, computerized powertrain controls, computer networks, emission control systems, OBDI/OBDII systems, and diagnostic procedures. Prerequisite: Completion of AUTO 2510. (2 lect., 4 lab)

AUTO 2550 - Automotive Alignment and Suspension (4 credits)

The focus of this course is on the diagnosis, repair, and alignment of 2WD and 4WD front and rear suspension systems found on automobiles and light trucks. The student is instructed in suspension evaluation techniques, parts replacement, and alignment strategies expected of entry level technicians. The student is expected to determine problems with real vehicles, remove and replace components, and use alignment equipment to properly align the steering components on practice vehicles. Front suspension and alignment theory as well as hands on training is stressed in this course. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500 and AUTO 1765. (2 lect., 4 lab)

AUTO 2630 - Emission Systems (3 credits)

This course emphasizes the theory, operation, and diagnosis of malfunctions of automotive emission control systems. Emphasis is placed on the location and interpretation of specifications, accurate diagnosis of malfunctions by proper use of test equipment, correct repair procedures, and diagnosis of drive-ability problems caused by malfunctions of the emission systems. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of or concurrent enrollment in AUTO 1500 and AUTO 1765. (1 lect., 4 lab)

AUTO 2800 - Problems in Auto Technology (1 - 3 credits)

This independent study course allows students to work on individualized learning projects related to their interest and occupational objectives in automotive technology. Students may earn one, two, or three credits any one semester and may apply no more than 6 credits toward graduation. (4 hours lab per credit)

AUTO 2810 - Diagnosis and Tune-Up Procedures (4 credits)

This course introduces the student to the diagnosis, adjustment, and repairs of the system(s) that affect engine performance. Emphasis is placed on synthesizing skills taught in electronic systems, fuel and emission controls courses. The student is taught to accurately use diagnostic equipment, apply proper tune-up procedures, and use specifications that assist in the interpretation of test results which enable the rapid isolation of malfunctions of a particular system or combination of systems in the automobile. The student will learn written communication with service writers and customers through proper repair order write ups. Prerequisite: Completion of AUTO 1500, AUTO 1765, and AUTO 1770. (2 lect., 4 lab)

AVTN - Aviation

AVTN 2510 - Private Pilot Ground School (3 credits)

This course includes the study of Federal Aviation Regulations, flight dynamics, meteorology, navigation, and airport operations. This course is designed to fulfill the ground school requirement for the FAA Private Pilot Certificate. (3 lect.)

AVTN 2600 - Instrument Ground Training (3 credits)

This course includes the study of aircraft altitude control, flight maneuvers and flight based solely on instrument reference. Other topics covered include hazardous weather, interpreting weather data, FAA regulations and IFR procedures, flight dynamics, meteorology, navigation, and airport operations. This course is designed to fulfill the instrument ground school requirements for the FAA Pilot Instrument Rating. Prerequisite: Completion of AVTN 2510. (3 lect.)

BADM - Business Administration

BADM 1000 - Introduction to Business (3 credits)

This course is an introduction to the study of business. The student will explore topics related to business management and ownership in a contemporary economic, political, and social environment. (3 lect.)

BADM 1005 - Business Math I (3 credits)

The course focuses on math used in business. The student will calculate percentages, establish retail prices, calculate payroll, calculate simple and compound interest, and compute present and future values to evaluate investment opportunities. Prerequisite: Completion of or test into MATH 0920 or higher. (3 lect.) ***APPM***

BADM 1020 - Business Communications (3 credits)

This course will develop and expand the student's written, oral, interpersonal and professional communication skills. The student will explore crucial rhetorical issues that impact the ability to communicate and achieve specific objectives in the work environment. The psychology and mechanics of written and oral business communication will be thoroughly explored and widely applied. Documents and presentations that demand careful planning and composition, supported content and argument, and logical organization and structure will be created. The student will examine cross-cultural, nonverbal, interpersonal, and ethical communication. Prerequisite: Completion of ENGL 1010 (3 lect.) ***WR2***

BADM 2010 - Legal Environment of Business (3 credits)

This is an introductory survey course providing a broad overview of business-related legal issues. This course will examine the legal environment in which businesses operate including the nature and sources of law, court systems and alternate dispute resolution, constitutional law, business torts, criminal law, intellectual property, contracts, and business ethics. (3 lect.)

BADM 2020 - Bus Law II:Commercial Law (3 credits)

A study of the basic principles of the law of real property, landlord and tenant, bailments, sales, commercial paper, secured transactions and bankruptcy. Prerequisite: Completion of BADM 2010 or instructor's permission. Generally offered in spring only. (3 lect.)

BADM 2105 - Small Business Management (3 credits)

This course provides a comprehensive overview of managing a small business. The student will explore the critical aspects of small business operations including the role of small businesses in the economy, essential management strategies, entrepreneurship, and business plan development. Key topics include financial statement literacy, capital requirements, marketing strategies, human resource management, and legal considerations. Designed for the student interested in understanding the fundamentals of small business management. This course offers practical insights into running a successful small enterprise. (3 lect.)

BADM 2340 - Bus Law III: Bus Org & Gov Reg (3 credits)

This course is a study of the basic principles of agency, partnership, limited partnership, joint-venture, corporation and security regulation. Generally offered in Spring only. Prerequisite: Completion of BADM 2010 or permission of instructor. (3 lect.)

BARB - Barbering

BARB 1502 - Orientation for Barbering (2 credits)

This course is required of all students attending the Barbering program. This course provides an introduction into the professional field. There is an emphasis on professional presence, ethics, human relations, interpersonal communication and study skill practices. (2 lect.)

BARB 1504 - Barber Clinical Applications I (6 credits)

This class incorporates learning from both lab and lecture performed in an applied setting. This clinical addresses professionalism, communication practices, infection control, critical thinking, time management, and artistic development through work on the public. This course is part of the Barbering program. Prerequisites: Completion of BARB 1520, BARB 1525, and BARB 1550. (6 lab)

BARB 1508 - Barbering Clinical Applications II (6 credits)

This class incorporates learning from both lab and lecture performed in an applied setting. This clinical addresses professionalism, communication practices, infection control, critical thinking, time management, and artistic development through work on the public. This course is part of the Barbering program. (12 lab).

BARB 1510 - Chemical Lab for Barbers (6 credits)

This course is the practical application companion to the course BARB 1615 Theory of Chemicals, exploring basic application of chemical treatments on hair. Emphasis is placed on safety precautions during the chemical process Prerequisite: Completion of or concurrent enrollment in BARB 1615. (12 Lab)

BARB 1520 - Barber Shop Management and Business (3 credits)

This course is a requirement for all barber programs except the barber crossover program. It includes preparation for licensure, working behind the chair, and the business of barbering. (3 lect.)

BARB 1525 - Barbering Hair Fundamentals I (4 credits)

This course explores the properties of hair and scalp, hair and scalp treatments, men's haircutting and styling, and men's hair replacement. Prerequisite: Completion of or concurrent enrollment in BARB-1502 and BARB-1550. (8 lab)

BARB 1526 - Barbering Fundamentals I Crossover (2 credits)

This course is for cosmetologists registered for the Barbering crossover program, working toward their barbering licensure. The course will address men's haircutting, styling, and men's hair replacement. (4 lab)

BARB 1530 - Barbering Hair Fundamentals II (4 credits)

This course explores the anatomy of the face, the structure of the skin, disorders and diseases of the skin, facial massage and treatments, and shaving and hair design for the face. Prerequisite: Completion of BARB-1525. (8 lab).

BARB 1550 - General Science of Barbering (4 credits)

This course is a requirement for all barber programs except the barber crossover program. It includes infection control, chemistry, electricity, tools, and general anatomy and physiology. The student will learn proper infection control procedures, proper equipment use and maintenance, anatomy and body systems, and electrical and chemical components. (4 lect.)

BARB 1615 - Theory of Chemicals (3 credits)

This course explores the basics of chemical properties and the use of chemical treatments on hair with emphasis placed on safety precautions during the chemical process (3 lect.)

BARB 1625 - Techniques in Barbering (4 credits)

This course introduces the four basic women's haircuts and hairstyling techniques. Prerequisite: Completion of BARB-1530. (8 lab)

BARB 1675 - Barbering Assessment (2 credits)

This capstone course provides the student with a comprehensive review of the knowledge and skills required for certification as a barber. The student is required to successfully complete a comprehensive exam to pass this course. The student must have successfully completed all other required courses in the Barbering program prior to taking this course. (4 lab)

BARB 1676 - Barbering Assessment Crossover (1 credit)

This capstone course is an abbreviated version for the barber crossover program the cosmetologist will take to become licensed for barbering. This course provides the student with a comprehensive review of the knowledge and skills required for certification as a barber. The student is required to successfully complete a comprehensive exam to pass this course. Prerequisite: Completion of BARB 1525 and concurrent enrollment in BARB 1530. (2 lab)

BIOL - Biology

BIOL 1002 - Discovering Science (4 credits)

This course is an interdisciplinary course that integrates Biology, Chemistry, Physics, and Earth Science for non-science majors. Fundamental concepts from each discipline are addressed through lectures, while weekly laboratory activities and discussion groups enable the student to understand how to use science and incorporate science into large societal issues. (3 lect., 3 lab) ***LSCI***

BIOL 1010 - General Biology I (4 credits)

This course is designed to provide a one-semester introduction to biology for non-majors and the first semester of a two-semester sequence for majors and others who wish to explore biology in greater depth. The course begins with a sequence that includes the cell as a fundamental unit of life, membranes, cell specialization and diversity, and cellular chemistry. The energy pathways and cycles making up the processes of photosynthesis and respiration are examined. A major amount of lecture and laboratory time is devoted to the important areas of genetics and evolution. Students earning credit in BIOL 1010 may not earn credit in BIOL 1020. (3 lect., 3 lab) ***LSCI***

BIOL 1020 - Life Science (4 credits)

This is an introductory course emphasizing fundamental principles of biology, including cell structure and function, genetics, ecology, evolution, and organismal biology. The applications of these principles to societal issues such as the conservation of biodiversity, overpopulation and global environmental changes, biotechnology, and human wellness and disease are also considered. The student earning credit in BIOL 1020 may not earn credit in BIOL 1010. (3 lect., 3 lab) ***LSCI***

BIOL 1080 - Intro to Environmental Science (4 credits)

This course introduces students to the concepts of environmental science using principles from the fields of biology, ecology, and the physical sciences. The course focuses on themes of sustainability, stewardship and science. Emphasis is placed on the quantitative analysis of the impact of human activities on the environment and will include the topics of natural resource utilization and conservation, biodiversity, water, air and soil quality, and sustainable development. (3 lect., 3 lab)***LSCI***

BIOL 2002 - Global Ecology (3 credits)

This course is intended to provide a global perspective on ecological processes, biodiversity, climate change and the environmental consequences of human actions. Students will develop an awareness of the role of global ecology in international human affairs and how this influences the relationships between the developed and developing worlds. Prerequisites: BIOL 1010 or BIOL 1020. (3 lect.)

BIOL 2005 - Natural History of Yellowstone (4 credits)

The Yellowstone ecosystem is the site for this course. Students will learn basic flora and fauna identification, ornithology, meteorology, glaciology, and geology, and examine the aftermath of the 1988 Yellowstone fires. Safety, judgement, leadership, outdoor skills and environmental ethics are stressed. Prerequisite: NOLS permission required. (4 lect.)

BIOL 2022 - Animal Biology (4 credits)

This course is a continuation of BIOL 1010. Animal Biology is an integrative course that addresses the evolution, anatomy, physiology, and ecology of animals. This course is intended for the student majoring in the life sciences. Prerequisite: Completion of BIOL 1010. (3 lect., 3 lab)

BOTK - Business Office Tech

BOTK 1540 - Business English (3 credits)

This course will provide students engaged in a business or office curriculum with the English language writing skills that are required for a career in business today. It will involve an intensive survey of grammar skills, sentence structure, word usage, vocabulary building, efficient dictionary usage, spelling, and word division. Proofreading skills will be emphasized. (3 lect.)

BOTK 1655 - Speed and Accuracy Development (1 credits)

This course is designed for the typist with some experience who desires to improve both speed and accuracy in keyboarding. This course may be repeated for a maximum of three credits applicable toward graduation. Recommend: Students will need to meet with the instructor to determine their baseline keyboarding rate (minimum 25-30 words per minute). S/U grading only. (1 lect.) (Max 3)

BOTK 2900 - Office Systems and Procedures (3 credits)

Office Procedures is the study and development of personal qualities, skills, and knowledge needed by successful office administrative assistants. The goal is to prepare students to provide support in a business environment. Office etiquette, telephone and mail procedures, receptionist techniques, reference source use, reprographics, travel arrangements, business ethics and etiquette, career opportunities, and preparation for employment will be discussed and reinforced with case studies and activities. (3 lect.)

BUSN - Business

BUSN 2000 - Intro to International Business (3 credits)

In order to remain competitive in today's market, all businesses must recognize and understand the international forces in the business environment. Firms must recognize and analyze these international forces to remain competitive. This course will be a broad survey of international business - with emphases placed on basic concepts of international trade activity, global economic and financial environment, international environmental forces, and strategic management for the global environment. Students will also develop cultural awareness and appreciation. (3 lect.)

CHEM - Chemistry

CHEM 1000 - Intro to Chemistry (4 credits)

This course explores the principles of chemistry as related to inorganic and organic systems. Emphasis is placed on understanding the scientific method and practical applications of chemistry. Critical thinking is used for chemical problem solving. Qualitative and quantitative analytical laboratory techniques are practiced. This course serves as a lab science for non-science majors. Credit for CHEM 1000, toward a degree, is not allowed for science majors. (3 lect., 3 lab) ***LSCI***

CHEM 1020 - General Chemistry I (4 credits)

This is the first semester of a two-semester course dealing with the general principles of chemistry as related to inorganic and organic systems. Specific course topics include: critical thinking, chemical problem solving, measurements, atomic theory, stoichiometry, chemical reactions, molecular structure and chemical bonding, gases, condensed states and solutions. Qualitative and quantitative analytical laboratory techniques are used. This course sequence is intended for those majoring in science or engineering. Students taking this course are encouraged to concurrently enroll in CHEM 1045 - Chemical Problem Solving I. Prerequisites: Concurrent enrollment or placement into MATH 1400 and one year of high school chemistry or integrated science recommended. (3 lect., 3 lab) ***LSCI***

CHEM 1030 - General Chemistry II (4 credits)

This is the second semester of a two-semester course dealing with the general principles of chemistry as related to inorganic and organic systems. This course sequence is intended for those majoring in science or engineering. Specific course topics include: critical thinking, chemical reactions, equilibria, solubility, acid- base, oxidation-reduction, kinetics, electrochemistry and thermochemistry. Other topics may be added if time permits. Qualitative and quantitative analytical laboratory techniques are used. The student taking this course is encouraged to concurrently enroll in CHEM 1055 Chemical Problem Solving II. Prerequisite: Completion of CHEM 1020; MATH 1400 highly recommended. (3 lect., 3 lab)

CHEM 1045 - Chemical Problem Solving I (1 credits)

This is a one-semester course designed to accompany CHEM 1020, for those needing supplemental instruction in chemical problem solving. Emphasis will be on problems involving balancing equations, stoichiometry, heat and gas laws. (Offered in fall) Prerequisite: Concurrent enrollment in CHEM 1020. (1 lect.)

CHEM 1055 - Chemical Problem Solving II (1 credits)

This is a one-semester course designed to accompany CHEM 1030, for those seeking supplemental instruction in chemical problem solving. Emphasis will be on problems involving equilibria, kinetics, thermochemistry and electrochemistry. (Offered in spring) Prerequisite: Concurrent enrollment in CHEM 1030. (1 lect.)

CHEM 1090 - Fundamentals of the Physical Universe (4 credits)

This course is designed to apply fundamental physical science principles to real life situations. Concepts in chemistry and physics are used to study the nature of science and the relationships between science and society. Topics include the scientific method, motion, energy, light, matter, electricity and magnetism, waves, atomic and molecular structures and chemical reactions. Primarily for elementary education majors (who should also enroll in EDEL 1440 concurrently or the following semester), this course may be used as a laboratory science course for other non-science majors. This course cannot be used as LSCI credit toward any A.S. degree in Science or Math. Students earning credit in CHEM 1090 may not earn credit in PHYS 1090. (3 lect., 3 lab) ***LSCI***

CHEM 2230 - Quantitative Analysis (4 credits)

This course provides broad coverage of analytical techniques, principles, and calculations with an emphasis on analytical methods commonly used in laboratories. Prerequisite: Completion of CHEM 1030. (2 lect., 6 lab)

CHEM 2300 - Intro to Organic Chemistry (4 credits)

A one-semester course in organic chemistry and beginning biological chemistry, designed for nursing, home economics, education, general studies, and agriculture students. Practical application will be emphasized. Offered only with sufficient enrollment. Students earning credit in CHEM 2300 may not earn credit in CHEM 2420. Prerequisite: Completion of CHEM 1000 or CHEM 1020. (4 lect.)

CHEM 2420 - Organic Chemistry I (4 credits)

This course is the first in a one-year sequence in organic chemistry. The course is approached from the viewpoint of modern chemical theory with special emphasis on structural and mechanistic concepts. The student desiring a one-semester terminal course should take CHEM 2300. The student earning credit in CHEM 2420 may not earn credit in CHEM 2300. Prerequisite: Completion of CHEM 1030. (3 lect., 3 lab)

CHEM 2440 - Organic Chemistry II (4 credits)

This course is the second in a one-year sequence in organic chemistry. The course is approached from the viewpoint of modern chemical theory with special emphasis on structural and mechanistic concepts. The student desiring a one-semester terminal course should take CHEM 2300. Prerequisite: Completion of CHEM 2420. (3 lect., 3 lab)

CMAP - Computer Applications

CMAP 1200 - Computer Information Systems (3 credits)

This is a non-technical course for students with minimal or no computer experience. Students are introduced to basic computer concepts and techniques, including operating systems and application software (word processing, spreadsheets, presentation and database). Prerequisite: Completion of CMAP 1500 or keyboarding experience. (3 lect.) ***IT***

CMAP 1500 - Computer Keyboarding (1 credits)

This course is designed for the non-typist who desires to learn the keyboard for use with computers. It introduces the touch operation of the alphabetic and numeric keyboard. (S/U grading only) (1 lect.)

CMAP 1615 - Operating Systems: (3 credits)

The course introduces the student to basic functions of a microcomputer operating system and syntax routinely used by microcomputer operators. Fundamentals of managing disks, files, directories, subdirectories, multi-tasking, etc. will be addressed. When the course is offered, the course title listed in the CWC course schedule will indicate the current modern microcomputer operating system being addressed. Prerequisite: Completion of CMAP 1500 or permission of instructor. (3 lect.)

CMAP 1650 - Introduction to Networking (3 credits)

This is an introductory course focusing on configuring, managing and troubleshooting the elements of a basic network infrastructure. The course is structured to introduce students to networking basics, cables and connectors, networking devices, Ethernet, implementing a network, wireless and wide area networks. Basic network security, management, and troubleshooting are included. (3 lect.)

CMAP 1685 - Using Computers In: (0.5 - 3 credits)

This course offers training in contemporary computer systems and/or application programs. This course cannot be used as a general education requirement but can be used as a major requirement in Business/Computer Networking programs and as a general elective in other programs. (0.5 - 3 lect.) (Max 6)

CMAP 1715 - Word Processing Applications: (3 credits)

This comprehensive course covers basic to advanced word processing theory and applications. Students acquire advanced word processing skills in formatting, working with columns and tables, collaborating, integrating with other applications, working with master documents, customizing toolbars, and creating macros. Emphasis will be on helping students increase productivity and efficiency. Recommend: Completion of CMAP 1200 or computer experience. (3 lect.)

CMAP 1765 - Spreadsheet Applications: (3 credits)

This comprehensive course instructs students in both the basic and advanced features of spreadsheet software. Business applications are emphasized to prepare students to use spreadsheets in the business world. Students receive in-depth instruction in formatting; using range names, formulas, and functions; creating charts; performing database management; auditing; creating and using macros; importing/exporting data; creating and using templates; and creating and using workgroup functions. Recommend: CMAP 1200 or computer experience. (3 lect.)

CMAP 1815 - Database Applications: (3 credits)

This course instructs students in the use of database programs on microcomputers. Business applications are included to prepare students to use database software in the business world. The topics covered include query and report generation, switchboards, access basics, and customized applications. (3 lect.)

CMAP 1920 - Hardware Maintenance (4 credits)

This course will provide a basic working knowledge of personal computer hardware components and system design. The course includes hands-on experience in component installation and upgrading. Troubleshooting techniques will be emphasized including hands-on experience in debugging problematic systems. (4 lect.)

CNSL - Counseling

CNSL 1310 - Personal Growth Group (1 credits)

This course is designed to provide the student with an opportunity to participate in a personal growth group. The student will be exposed to the basics of group rules, group dynamics, and the various stages that groups typically pass through. (1 lect.)

CNSL 2100 - Case Management in Counseling (3 credits)

Students will obtain a broad overview of the integral role of case management services in achieving the mission of human services agencies of today. Professional ethics, Federal and State confidentiality requirements, client advocacy, and special requirements of substance abuse agencies will be explored. Students will demonstrate proficiency in developing and presenting a case plan. (3 lect.)

CNSL 2300 - Counseling for Helping Professional (3 credits)

This course presents instruction and practice in basic counseling and communication skills. It emphasizes listening, responding, encouraging, and initiating change in interpersonal communication through mediation and conflict resolution. (3 lect.)

CNSL 2310 - Introduction to Group Counseling (3 credits)

In this course the student will learn about group counseling by being a group participant in a personal growth group. Group theory will be examined. Group concepts of: setting group rules, self-disclosure, giving and receiving feedback, phases of groups, structured activities, experiential learning, and leadership will be some of the topics explored. (3 lect.)

CNSL 2320 - Addictions Assessment (3 credits)

In this course the student will examine the various tools used to help in the assessment of alcohol dependence and other addictions. Students will practice using these tools including the Alcohol Severity Index (ASI), which is required by the state of Wyoming when screening individuals for addiction. A focus of the course will be on determining if an individual is chemically dependent, and if so, how severe is the addiction. Proper referral to treatment centers will also be addressed. It is recommended that students take HMSV 2130 prior to or concurrently with this course. (3 lect.)

CNSL 2330 - Counseling Diverse Populations (3 credits)

This course is designed to increase students' awareness of unique needs of diverse populations in the helping professions. The groups, including men, women, elderly, disabled, homeless, gay and lesbian, and cultural minorities will be examined. Special focus will be placed on dependence treatment and recovery. (3 lect.)

CNSL 2340 - Theories of Counseling (3 credits)

This introductory course in counseling theories will provide an overview of the major theories of counseling. Humanistic, behavioral, cognitive, and gestalt theories are among the theories to be examined. Theories of counseling used with chemically dependent clients will also be examined. (3 lect.)

CNTK - Construction Trade Tech

CNTK 1510 - Safety and Tools in Construction (3 credits)

This course is designed to familiarize students with the safety obligations of workers, supervisors, and managers on a construction site. Students are introduced to commonly used hand and power tools; their applications, maintenance, and safety issues. (2 lect., 2 lab)

CNTK 1515 - Comm. and Employability Skills (1.5 credits)

This course is designed to provide students with techniques for communication effectively with co-workers and supervisors and includes the importance of verbal and written information and instructions on the job. The course also identifies the roles of individuals and companies in the construction industry and introduces students to critical thinking, problem-solving skills, computer systems, and industry applications. Relationship skills, effective self-presentation, and key workplace issues, such as sexual harassment, stress, and substance abuse are studied. Prerequisite: Completion of or concurrent enrollment in CNTK 1510. (1.5 lect.)

CNTK 1520 - Blueprint Reading for Construction (3 credits)

This course is designed to instruct students in how to interpret and use blueprint terms, components, and symbols. Students will be exposed to civil, architectural, structural, mechanical, and electrical blueprint drawings and will learn how to use drawing dimensions and scales to measure drawings. Students will also use basic mathematical functions and geometry and their application in the construction trades. Prerequisite: Completion of or concurrent enrollment in CNTK 1510. (2 lect., 2 lab)

CNTK 1530 - Site Preparation and Layout (3 credits)

This course covers the principles, equipment, and methods used to perform the site layout process. The course includes using a site/plot plan to locate the foundation and utility lines to the house. The course includes an introduction to concrete and reinforcing materials that are used when building a residential structure. Prerequisite: Completion of or concurrent enrollment in CNTK 1520. (2 lect., 2 lab)

CNTK 1650 - Framing: Floors and Stairs (2 credits)

This course is designed to teach students the basic framing concepts for constructing a wood floor system using common lumber as well as engineered building materials. The course also includes the laying out and construction of wooden stairs used in residential construction. Prerequisites: Complete CNTK 1520 or concurrent enrollment. (1 lect., 2 lab)

CNTK 1652 - Framing: Walls, Window, Exterior Doors (2 credits)

This course is designed to teach the student procedures in laying out and framing walls, wall openings, and applying wall sheathing using common lumber and plywood or other exterior sheathing. The course also includes the procedures for installing exterior doors, and windows and selecting and installing metal framing for interior walls and partitions. Prerequisite: Completion of CNTK 1650 or concurrent enrollment. (1 lect., 2 lab)

CNTK 1654 - Framing: Roof (2 credits)

This course is designed to teach the student procedures for laying out gable or hip roofs using stick built rafters and engineered trusses. This course includes instruction in erecting a gable roof using sheathing and trusses. Prerequisite: Completion of or concurrent enrollment in CNTK 1652. (1 lect., 2 lab)

CNTK 1658 - Exterior: Siding, Trim & Finishes (2 credits)

This course is designed to teach the student how to identify and install various types of exterior finish, roofing materials, and thermal protection for residential structures. Prerequisite: Completion of or concurrent enrollment in CNTK 1654. (1 lect., 2 lab)

CNTK 1700 - Intro to Construction (3 credits)

This course is an introductory course designed to inform students about the basic fundamentals and principles of construction technology. The course includes orientation to the trade; wood building materials, fasteners, and adhesives; and the use and care of hand and power tools. (2 lect., 2 lab)

CNTK 1705 - Carpentry Lab (6 credits)

This course provides the student with hands-on work experience in comprehensive construction skills used in residential and/or commercial applications. Prerequisite: Completion of or concurrent enrollment in CNTK 1510 and CNTK 1905. (12 lab)

CNTK 1805 - Basic Residential Electrical (3 credits)

This course provides instruction in basic residential electrical concepts, such as electrical safety, AC/DC voltage, troubleshooting electrical circuits, and identifying plug and receptacle ratings and configurations. The student will wire, operate, and use a digital multi-meter to troubleshoot and repair various electrical circuits commonly found in residential buildings. (2 lect., 2 lab)

CNTK 1880 - Interior: Drywall Applications (2 credits)

This course is designed to teach the student how to plan, select, and install gypsum drywall on walls and ceilings in a residential structure. Instruction includes estimating material requirements, selecting and installing fasteners, and installing sound/fire rated walls. This course is presented in conjunction with CNTK 1882 Interior: Taping, Mudding, and Texturing. (1 lect., 2 lab)

CNTK 1882 - Interior: Taping, Mudding, Texturing (2 credits)

This course is designed to teach the student how to tape, mud, and texture interior drywall walls and ceilings in a residential structure. Instruction includes estimating material requirements and finishing the surface to meet industry standards. Prerequisite: Completion of or concurrent enrollment in CNTK 1880. (1 lect., 2 lab).

CNTK 1884 - Int/Ext Paint; Avoid/Corr Paint Problems (2 credits)

This course is designed to teach the student how to identify and apply the different types of interior/exterior paint and other finishing materials used in a residential structure, as well as avoiding and correcting painting problems. Instruction includes estimating material requirements and finishing the surface to meet industry standards. Completion of or concurrent enrollment in CNTK 1882. (1 lect., 2 lab)

CNTK 1905 - Carpentry (3 credits)

This course provides the student with comprehensive carpentry framing and finishing as used in the residential and/or commercial industry. Prerequisite: Completion of, or concurrent enrollment in CNTK 1510. (3 lect.)

CNTK 1920 - Interior Trim: Closets (2 credits)

This course is designed to teach the student how to design and construct closet systems in a residential structure. Instruction includes estimating material requirements and installing hardware to meet industry standards. (1 lect., 2 lab)

CNTK 1924 - Interior Trim: Cabinets (2 credits)

This course is designed to teach the student how to select and install base and wall cabinets and countertops in a residential structure. Instruction includes estimating material requirements and installing hardware to meet industry standards. (1 lect., 2 lab)

CNTK 1926 - Interior Trim: Molding (2 credits)

This course is designed to teach the student how to identify, select, and install trim used in finish work. The course also includes instruction on the layout and installation of suspended ceilings and related ceiling tile suspension systems. (1 lect., 2 lab)

COCR - Co-Curricular

COCR 1000 - Cultural Appreciation: (1 credits)

This course is designed to meet the requirements for the Cultural Appreciation General Education Requirement. Specific topics will be identified in the current course schedule. Cultural Appreciation is fostering an understanding of the beliefs, behaviors, objectives, and other characteristics common to the members of a culture(s).

COCR 1005 - Community Engagement: (1 credits)

This course is designed to meet the requirements for the Community Engagement General Education Requirement. Specific topics will be identified in the current course schedule. Community Engagement is actively identifying a need within a community, developing a plan to address the need (including identifying required resources and partnerships) and implementing steps toward a solution.

COCR 1010 - Professional Experience: (1 credits)

This course is designed to meet the requirements for the Professional Experience General Education Requirement. Specific topics will be identified in the current course schedule. Professional Experience is engaging in an activity where learning is applied in a professional setting.

COMM - Communications

COMM 1000 - Intro to Mass Media (3 credits)

This course surveys the communication process through the lens of convergence, showing how different aspects of media are parts of a whole and examines how they influence each other and society. Topics include contemporary and traditional views of communication with an historical perspective. Students earning credit for COMM 1000 may not earn credit for MDIA 1000. (3 lect.) ***HUM***

COMM 1005 - Intercultural Communication (3 credits)

This course is designed to provide the student with the knowledge, skills, and tools to effectively function in intercultural environments, situations, and relationships. Within this process, one focus will be communication between the American Indian and Euro-American cultures, although many different cultures will be included in this experience. The theoretical foundations and systematic structure of communication processes will lay the foundation from which intercultural relationships will be examined. Students earning credit in COMM 1005 may not earn credit in NAIS 1005. (3 lect.)

COMM 1030 - Interpersonal Communication (3 credits)

This introductory course focuses on basic communication concepts and face-to-face interaction, analysis, and description. It explores theoretical concepts and their application to everyday communication with the two-person relationship as the basic unit of analysis. Experiential exercises complement lectures and discussions. (3 lect.) ***ORAL***

COMM 1040 - Intro to Communication Theory (3 credits)

This course is an introduction to theories of human communication. Communication is the root of human experience and existence; therefore, the focus of this course is inherently interdisciplinary. Six areas of communication studies will be examined: the foundations of theory, interpersonal communication, group and public communication, rhetoric, mass communication, and cultural context. The study of these areas will include an overview of theories that are foundational to other social sciences, including psychology, sociology, philosophy, and women's studies. (3 lect.)

COMM 1480 - Media Arts: (3 credits)

This course explores a specific genre in media. The selected genre will be examined, in both depth and scope with an eye, to its relevance to human experience. The course is an analysis of how the genre both reflects and impacts humanity. The chosen genre will be analyzed from a number of angles including: motion images (film, TV), literature (novels, short stories, comic books), new media (video games, AR and VR). A student may apply no more than six credits toward graduation. The specific topic will be named after the colon. (3 lect.) ***HUM***

COMM 2010 - Public Speaking (3 credits)

In this introductory public speaking course, the student will develop foundational oral, digital, and written communication skills. Emphases will include research, construction, delivery, and evaluation in/for public communication settings. The course will focus on speech preparation, listening, audience analysis, writing strategies, digital communication, critical thinking, language/nonverbal behavior, and various speaking formats. (3 lect.) ***ORAL***

COMM 2090 - Intro to Persuasion (3 credits)

This course is a blend of lecture, discussion, and application exercises to familiarize students with theories and practices of persuasion. Major topics include: the importance of persuasion, the cognitive approach to persuasion, the source of persuasive messages, ethical concerns, purpose and audience, organization, reasoning, language, persuasion in advertising, and persuasion in political messages.(3 lect.)

COMM 2100 - Media Writing (3 credits)

This course is designed to provide the student with a solid introduction to the practice of journalistic writing for print, broadcast, and the web. Emphasis will be on planning, evaluating, analyzing, and organizing information using basic news gathering techniques. Students are introduced to various types of scripting formats used in print, broadcast, and the Internet. Students earning credit for MDIA 2100 may not earn credit in COMM 2100. Prerequisite: Completion of ENGL 1010. (3 lect.) ***WR2***

COMM 2110 - Nonverbal Communication (3 credits)

This course is designed to acquaint students with non-linguistic form of communication. It explores the theories and elements of nonverbal communication such as physical appearance, smell, proxemics, gestures, paralanguage, and the effects these elements have in the communication process. Students analyze diverse communication contexts and discuss communication strategies and appropriate nonverbal behaviors in such contexts. Prerequisite: Completion of COMM 1030 or COMM 1040. (3 lect.)

COMM 2130 - Human Relations (3 credits)

This course is designed to help the student develop effective human relations skills for the workplace and personal life. The student will explore human relations from a personal, interpersonal, and organizational perspective. The student will examine their ability to solve problems and think critically about relationships with peers, co-workers, supervisors, and others. Developing an understanding of human relation skills critical for success is essential in today's changing and diverse environment. A student earning credit in this course may not earn credit in MGT 2130 (3 lect.) ***ORAL***

COMM 2135 - Gender Communication and Culture (3 credits)

This course explores the many ways that gender and communication intersect and affect each other. Students will consider how gender attitudes and practices, past and current, influence personal notions of what it means to be female and male, and beyond that, what it means to be feminine and masculine. This course is a blend of lecture, discussion, and application exercises to familiarize students with the concept of gender and its role in communication. (3 lect.) ***HUM***

COMM 2310 - Public Relations (3 credits)

The course covers the history of public relations, its theoretical basis as well as the legal and ethical environment. The core issues and process that underlie public relations are detailed, as well as the descriptions of the publics that are the objects of these efforts. A summary of the practice of public relations, the emerging trends of the profession, and issues with crisis management are discussed. Case studies provide opportunities for student discussion and interaction with concepts. Prerequisite: Completion of COMM 1030 or COMM 1040. (3 lect.)

COMM 2380 - Cinema History (3 credits)

This course is designed to enhance the student's understanding, appreciation, and critical perceptions of cinema as an art form and cultural force. An historical survey approach is used to trace the artistic and technical development of cinema from its origins to today. Significant world films representing key historical periods, styles and national movements will be screened in class and analyzed within their historical and cultural contexts. A student earning credit in this course may not earn credit in FILM 2380. (3 lect.) ***HUM***

COMM 4050 - Communication and Conflict (3 credits)

This course is designed to facilitate practical, theoretical, and critical analyses of the role of communication in interpersonal conflict and negotiation. The student will examine forms of conflict and negotiation including occurrences in interpersonal, group, organizational, and cultural contexts. The course provides the student with practical knowledge for understanding the benefits of conflict, recognizing its evolution, and applying strategies for dealing with people in a variety of contexts. The course blends theory, research, and practical skills to help the student identify, assess, and manage communication in conflict. Prerequisite: Completion of COMM 1030, COMM 2130 or MGT 2130. (3 lect.)

COSC - Computer Science

COSC 1000 - Computer Programming: (3 credits)

This course addresses entry-level structured programming using the Visual Basic language. Topics covered include assignment, input/output, arithmetic, looping and decision structures, designing the user interface forms, sub-procedure creation, and array handling. The course content emphasizes the power and flexibility of this popular high-level language. Prerequisite: Completion of MATH 0930 or test in MATH 1400. Co-requisite: CMAP 1500 (or demonstrated keyboard proficiency). (3 lect.)

COSC 1010 - Intro to Computer Science I (4 credits)

This course introduces the fundamental concepts of programming from an object-oriented perspective. Topics include simple data types, control structures, array and string data structures, algorithm development, and debugging techniques. This course emphasizes computational thinking, fundamental programming skills, and software development principles in the context of a language that supports the object-oriented paradigm. Prerequisite: Completion of MATH 0930 or higher, or test into MATH 1400. (3 lect., 2 lab)

COSC 1030 - Computer Science I: (4 credits)

This course studies algorithmic problem solving using principles of structured programming and object-oriented design. Algorithms are implemented in a high-level object-oriented programming language. Graphical user interfaces are used to motivate the object approach. Programming exercises and experimentation with software in a closed laboratory supplement the discussion. Prerequisite: Completion of COSC 1010. (3 lect. 2 lab)

COSC 2020 - Intro to Linux (3 credits)

This is an introductory course in the Linux operating system. This course provides students with knowledge and skills in the following areas: installation, networking, administration, printing working with the command line, and configuration of the X Windows environment. No previous experience with Linux is required. Prerequisite: Basic understanding of computer operating systems. (3 lect.)

COSC 2025 - Intermediate Linux (3 credits)

This is an intermediate course in the Linux operating system. This course provides the student with knowledge in the following areas: custom installation, system administration, shell programming, networking services, security, and troubleshooting. This course will help prepare the student for the Linux+ certification exam sponsored by CompTIA. Prerequisite: Previous experience with the Linux operating system is required or completion of COSC 2020. (3 lect.)

COSC 2030 - Computer Science II (4 credits)

This course studies the use of and implementation of abstract data structures in an object oriented programming environment. Topics include lists, stacks, queues, tables, binary trees, graphs, space and time complexity, recursion and recursive date types. Programming exercises and experimentation with software in a closed laboratory supplement the discussion. Prerequisite: Completion of COSC 1030. (3 lect., 2 lab)

COSC 2050 - Intro to Structured Query Language (SQL) (3 credits)

This course offers the student an introduction to database technology and data analysis using the leading database technology, Structured Query Language (SQL). (3 lect.)

COSC 2300 - Discrete Structures (3 credits)

Introduces important mathematical concepts that serve as a foundation for computer science and advanced mathematics. The areas of focus will include: logic, set theory, relations and functions, graph theory, combinatorics, probability and proof methods. The student earning credit in COSC 2300 cannot also earn credit in MATH 2300. Prerequisite: Completion of COSC 1030, MATH 2200 or MATH 2350. (3 lect.)

CPED - Co-op Education

CPED 1000 - Co-Op Work Experience I: (3 credits)

Cooperative work experience is a process of education which formally integrates a student's academic and/or career interest with related paid work experiences in cooperating employer businesses. The teaching faculty, cooperative education coordinator, and the employing supervisor all share in working with a student in developing the training plan for the student. Students may expect to work ten hours per week in an approved occupation. Online discussions will address workplace related areas of human relations, legal work environment, etc. Prerequisites: A declared area of emphasis, permission of faculty coordinator and advisor. (1 lect., 10 work experience.)

CPED 1900 - Workplace Readiness (1 - 3 credits)

This course prepares students to function effectively in the changing work environment. They develop skills in problem-solving, teamwork and self-management. (1-3 lect.)

CPED 2000 - Co-Op Work Experience II (3 credits)

This course is a continuation of the Cooperative Work Experience I course. Cooperative work experience is a process of education which formally integrates a student's academic and/or career interest with related paid work experiences in cooperating employer businesses. The teaching faculty, the cooperative education coordinator, and the employing supervisor all share in working with a student in developing training plan for the student. Students may expect work ten hours per week in an approved occupation. On line discussions will address workplace related areas of human relations, legal work environment, etc. Prerequisites: A declared major, 12 semester hours of college work, permission of faculty coordinator and advisor and completion of CPED 1000. (1 lect., 10 Work experience.)

CPED 2980 - Co-Op Work Experience III (3 credits)

This course is a continuation of the Cooperative Work Experience II course. Cooperative work experience is a process of education which formally integrates a student's academic and/or career interest with related paid work experiences in cooperating employer businesses. The teaching faculty, the cooperative education coordinator, and the employing supervisor all share in working with a student in developing the training plan for the student. Students may expect to work ten hours per week in an approved occupation. Online discussions will address workplace related areas of human relations, legal work environment, etc. Prerequisites: A declared area of emphasis, 12 semester hours of college work, permission of faculty coordinator and advisor and completion of CPED 2000. (1 lect., 10 work experience)

CRMJ - Criminal Justice

CRMJ 1005 - Law Enforcement Health and Wellness (3 credits)

Mental health and physical wellness are important to a successful career in law enforcement. In addition to the personal and professional benefits, another person’s well-being and safety may depend on an officer’s ability to perform their duties. The student will examine the various wellness stressors that are faced by many in law enforcement. The student will explore strategies that promote overall wellness and create a healthy lifestyle to benefit themselves, their families, coworkers, and the community. (3 lect.)

CRMJ 1015 - Homeland Security (3 credits)

This course is an introduction to homeland security, from an all hazards perspective. Students examine threats caused by natural and technological disasters as well as intentional threats of domestic and international terrorism, including weapons of mass destruction. Students review the roles and responsibilities of government agencies, non-government organizations and individual citizens in homeland security. (3 lect.)

CRMJ 1020 - Intro to Policing (3 credits)

This course focuses on the roles, duties, and responsibilities of the police officer, particularly the uniformed patrol officer. It examines the distribution of police officers and the management and supervision of those officers, as well as the organization of police departments, the selection of police officers, police operations, and critical issues in policing today. (3 lect.)

CRMJ 1170 - Law Enforcement/Ethics, Justice (3 credits)

This course is an examination of the ethical and value based discretionary decisions that police officers deal with on a regular basis. Police deviance will be addressed as to casual analysis and prescriptions for controlling such areas as police corruption, brutality and abuse to citizens. (3 lect.)

CRMJ 1500 - Basic Virtual Firearms Training (1 credits)

The focus of this course is on developing critical thinking, communication, and time-sensitive judgmental decision-making skills in simulated dangerous, stressful, and emergency situations. This course consists of a brief introduction on the use of certain emergency situations. This course consists of a brief introduction on the use of certain law enforcement weapons, both lethal and less lethal, and the use of state-of-the-art Virtual Firearms Training Technology in a safe and controlled environment to assist in the development of these skills. Students will be required to respond to scenarios involving continuum of force decisions. The focus of this course is not on firearms skills, handling of firearms, or proficiency with firearms. This course is not intended to, nor does it, qualify the student to meet any certification, licensing, or any other requirement for weapon ownership, possession, use or safety. (1 lect.)

CRMJ 1505 - Intermediate Virtual Firearms Training (1 credits)

This course is a continuation of Basic Virtual Firearms Training (CRMJ 1500), and furthers the study of issues that may apply when responding to emergency situations and evaluating possible alternatives and options using the Virtual Firearms Training Software. Training in stressful situations will challenge the student to perform and exhibit critical, judgmental, creative thinking, and communication skills under simulated real-life conditions. The use of certain law enforcement weapons, both lethal and less lethal, and the use of state-of-the-art Virtual Firearms Training Technology in safe and controlled environments is briefly reviewed. Students will be required to respond to scenarios involving continuum of force decisions. The focus of this course is not on firearms skills, handling of firearms, or proficiency with firearms. This course is not intended to, nor does it, qualify the student to meet any certification, licensing, or any other requirement for weapon ownership, possession, use or safety. Prerequisite: Completion of Basic Virtual Firearms Training (CRMJ 1500) or concurrent enrollment. (1 lect.)

CRMJ 2000 - Court Testimony and Report Writing (3 credits)

This course introduces the student to report writing and court testimony, important functions of peace officers within the criminal justice system. For a peace officer's testimony to be given serious consideration by the court, it is essential that officers present themselves as professional, credible, and reliable witnesses. The student will learn skills, techniques and strategies to prepare and provide professional, credible, and reliable testimony.

Police reports provide critical and necessary information to evaluate and prepare a case; and from which a peace officer's later testimony is prepared and developed. Well written reports help protect peace officers from both civil liability and disciplinary action; and help peace officers prepare to testify credibly. As the original report may be written months or even years before any testimony this class will discuss those things necessary for proper report writing. The student will learn skills, techniques and strategies to prepare effective and reliable police reports. This course will allow each student the opportunity to write a report and testify in a practice setting. (3 lect.)

CRMJ 2010 - Use of Force (3 credits)

In today's environment the actions of law enforcement officers are strictly scrutinized. Law enforcement officers are tasked by society to reasonably use force when appropriate within the confines of their profession. The student will explore the legal, policy, and administrative context for law enforcement use of force, examine decision-making, reasonable and necessary implementation of force, and options along the use-of-force spectrum including less-lethal and deadly force. (3 lect.)

CRMJ 2100 - Politics and Judicial Process (3 credits)

This course will examine the function of courts, characteristics of the judicial process, approaches to the study of judicial behavior and stakeholders, the role of the courts as policy makers, and the relationship of the court to other branches of government and stakeholders. (3 lect.)

CRMJ 2120 - Intro to Criminal Justice (3 credits)

In this course, the total criminal justice process from law enforcement through the administration of justice, prisons, probation, and history and philosophy of the system are examined. (3 lect.)

CRMJ 2130 - Criminal Investigation I (3 credits)

This course will introduce the student to the fundamental features of the art and science of criminal investigations. The course will review, discuss and analyze theories and methods of criminal investigation focusing on the relationships of detectives with other law enforcement divisions, modus operandi, sources of information, surveillance, personal identification, interviewing and interrogation, preliminary and follow up investigation, the collection and preservation of evidence and case preparation. (3 lect.)

CRMJ 2135 - Criminal Investigation II (3 credits)

This course examines the value and significance of various types of physical evidence. Students will be shown how to identify, collect, and preserve physical evidence at the scene of the crime, and the procedures, techniques, and laboratory methods used in the handling, examination and presentation of physical evidence will be identified. Evidence typically found at various crime scenes and required law enforcement actions will be studied. (3 lect.)

CRMJ 2210 - Criminal Law (3 credits)

This course introduces the student to the fundamental principles of substantive criminal law including the nature, origins, structure, and purposes of criminal law. This will include constitutional limits on criminal law, general principles of criminal liability, doctrines of complicity and inchoate crimes, the elements of major crimes against persons, property, and morals and public order, and defenses to criminal liability, including excuse and justification. (3 lect.)

CRMJ 2230 - Law of Evidence (3 credits)

This course introduces the student to the basic laws and rules of evidence as they apply to civil and criminal trials with an emphasis on their application in criminal trials and investigations. The course will explore the historical development of the law of evidence and various types of evidence including presumptions and burdens of proof, hearsay evidence, the exclusionary rule, evidentiary privileges, witness examination and testimony, and related legal evidentiary issues. (3 lect.)

CRMJ 2280 - Criminal Procedure (3 credits)

This course will explore individual rights protected under the U.S. Constitution which are routinely at issue in the investigatory, arrest, trial, and sentencing phases of a criminal procedure. This course will address the conflict and tension that exists when needing to protect individual rights while also needing to maintain order and enforce criminal laws. These tensions and legal conflicts are routinely resolved in the arena of the criminal court system and through the application of the law of criminal procedure. The student will evaluate probable cause and reasonable doubt, the laws of arrest, search and seizure, interrogation and confessions, pre-trial identification, and the exclusionary rule. (3 lect.)

CRMJ 2350 - Intro to Corrections (3 credits)

This course examines the philosophical and historical foundations of punishment and corrections. It further explores developments in American penology as well as present and future correctional issues and trends. A critical examination is done of the role of the inmate, correctional officer, detention facilities, probation, parole, pardons, and society's involvement and responses. (3 lect.)

CRMJ 2365 - Community Based Corrections (3 credits)

This course explores and analyzes the philosophical foundations and practical applications of community based corrections and the social, legal and political forces that shape these philosophies and practices. The focus is on probation, parole and other community based strategies for dealing with the criminal offender and the ramifications of community based correctional programs, including economic, legal and societal. (3 lect.)

CRMJ 2400 - Criminology (3 credits)

This course provides a survey of the nature and extent of crime and delinquency, together with the major approaches to causation, apprehension, control and treatment. (3 lect.)

CRMJ 2420 - Juvenile Justice (3 credits)

This course presents an overview of the juvenile justice system to include a discussion of the history, philosophy, and functions of the juvenile justice system. This course explores theories of delinquency causation, risk factors for delinquency, and intervention strategies for juveniles. (3 lect.)

CRMJ 2465 - Research Methods in Criminal Justice (3 credits)

This course is designed to provide the student with an overview of the application of research methods used in criminology. The course focuses on interpretation and application of research findings. Topics will include data collection, survey design, dataset usage, and qualitative and quantitative analysis. The student will learn how to apply and interpret research findings based on real examples in criminological studies. Prerequisite: Completion of ENGL 1010 is required and completion of STAT 2050 or STAT 2070 (or equivalent) is recommended, but not required. (3 lect.) ***WR2***

CRMJ 2500 - Advanced I Virtual Firearms Training (1 credits)

This course is a continuation of Intermediate Virtual Firearms Training (CRMJ 1505), and furthers the study of issues that may apply when responding to emergency situations and evaluating possible alternatives and options using the Virtual Firearms Training Software. Training in stressful situations will challenge the student to perform and exhibit critical, judgmental, creative thinking, and communication skills under simulated real-life conditions. The student is required to perform via simulation in "as real as possible" situations and to evaluate and discuss decision-making techniques focusing on continuum of force decisions. Students enrolling in this course are required to have knowledge in the use of virtual firearm weapons and apply this knowledge to use of force and continuum of force situations. The focus of this course is not on firearms skills, handling of firearms, or proficiency with firearms. This course is not intended to, nor does it, qualify the student to meet any certification, licensing, or any other requirement for weapon ownership, possession, use or safety. Course may be repeated for a maximum of 3 credits. Prerequisite: Completion of Intermediate Virtual Firearms Training (CRMJ 1505) or concurrent enrollment. (1 lect.) (Max 3)

CRMJ 2505 - Advanced I Virtual Firearms Training (1 credits)

Advanced II Virtual Firearms Training is a capstone course, which incorporates all of the components of the Basic, Intermediate, and Advanced I Virtual Firearms Training courses. The student is required to participate in specific advanced training scenarios that require critical and creative thinking, expert communication delivery, and split-second judgmental decision making in a safe and controlled environment. This course will emphasize the basic laws, policies, and procedures a person is responsible for while taking into account when use of force may be required. The student is expected to operate the training firearms and to recognize the importance of knowledge of laws and issues surrounding continuum of force decisions. The focus of this course is not on firearms skills, handling of firearms, or proficiency with firearms. This course is not intended to, nor does it, qualify the student to meet any certification, licensing, or any other requirement for weapon ownership, possession, use or safety. Course may be repeated for a maximum of 3 credits. Prerequisite: Completion of Advanced I Virtual Firearms Training (CRMJ 2500). (1 lect.) (Max 3)

CRMJ 2545 - RJT in: (0.5 - 3 credits)

This special topics course offers training to law enforcement. This course can be used in the Criminal Justice AA and AAS Degree Programs. The student may repeat CRMJ 2545 with different topics for up to 12 credits toward a degree. (.5-3 lect.) (Max 12)

CRMJ 3010 - Emergency Management of Critical Incidents (3 credits)

All communities are vulnerable to a variety of hazards, including natural disasters, chemical spills, mass shootings, multi-vehicle crashes, and missing persons. Emergency management provides a structure for anticipating and dealing with critical and emergency incidents. Effective management of these critical incidents often involves participation from many levels of government, cooperation with other jurisdictions and agencies, and assistance from the private sector. The student will evaluate the fundamentals of emergency and critical incident management including planning, leadership, problem solving, decision-making, communication, and utilization of community volunteers. (3 lect.)

CRMJ 3030 - Liability and Risk Management (3 credits)

For many criminal justice and law enforcement agencies, risk management is a practice that seeks to identify and mitigate risk at multiple levels: the individual, the agency, and the public. The student will study how criminal justice organizations, in the course of executing their duties, may face liability for misconduct, harm, or violation of rights done to the individual or community. Risk management is a component of budget planning in law enforcement organizations. Every city, town, and municipality is vulnerable to risks associated with providing criminal justice and law enforcement services. One claim could devastate not only the local budget, but also public trust. (3 lect.)

CRMJ 3050 - Cultural Diversity in Criminal Justice (3 credits)

This course offers a comprehensive, critical, and balanced examination of issues relating to cultural diversity including neuropsychological, generational, mental health, ethnicity, race, gender, sexual orientation, and physical ability. The student will examine strategies to encourage successful interactions and outcomes with people from these diverse populations both in the workplace and as criminal justice professionals. The student will evaluate crisis intervention techniques to improve the safety of professional service providers, individuals, and families. (3 lect.)

CRMJ 3100 - Politics of Law Enforcement (3 credits)

This course explores the role of law enforcement within the broader political system. The operations, policies, objectives, and priorities of police work are closely connected to political factors, such as legislation and legislative mandates, budgets, the priorities of the executive branch, the Constitution and court decisions, the electoral process, non-governmental organizations, as well as the overall needs and demands of the community. Effective leadership in law enforcement relies on cooperation and effective communication with multiple entities. The student will evaluate the skills and relationships critical for law enforcement leadership to successfully navigate these political realities. (3 lect.)

CRMJ 4010 - Community Policing and Public Trust (3 credits)

Community policing is a decentralized approach to law enforcement that focuses on community engagement and problem solving to reduce crime. Crime may be reduced by proactively identifying and addressing conditions that cultivate social disorder and crime. The student will examine concepts, ideals, theories, strategies, and practicalities of community policing. Community policing focuses on solving problems, demands an appreciation of the diversity within the community, reflects police accountability to the community as an active partner in achieving safe neighborhoods, and measures success in terms of reduction of both community fear of crime and crime itself. Community policing strives to use community relations strategies to influence attitudes towards and improve relationships with the community. Community policing strives to promote public safety, officer safety, and public trust. The student will examine how organizational structure, policies, and procedures can reflect the community policing ideals and strategies. (3 lect.)

CRMJ 4030 - Crisis Communication and Public Relations (3 credits)

The media wields an enormous amount of influence in how communities perceive law enforcement. The course provides practical information and strategies to effectively manage and maintain control of communications in a variety of modalities. The student will examine challenges law enforcement leaders encounter in the areas of communication and crisis management messaging and how those challenges influence community perception and support. The student will analyze the state of contemporary media and its impact on law enforcement. (3 lect.)

CRMJ 4130 - Leadership and Management in the Criminal Justice System (3 credits)

This course is designed to provide the student with a foundation in the management and leadership discourse surrounding criminal justice agencies. The student will explore the need for leadership and ethical behavior at all levels within criminal justice organizations. The lectures, resource materials, and activities are designed to provide both intellectual and experiential opportunities to examine the challenges faced by professionals working in the field. While the criminal justice system only loosely conforms to the concept of a true system, the need for leaders to think in terms of an integrated criminal justice system is emphasized. (3 lect.)

CROP - Crop Production

CROP 2150 - Pest Identification and Management (3 credits)

This course will teach the student to identify and manage pests within a variety of crops. The student will practice identification skills, scouting methods, and sustainable control methods. There will be field trips. (3 lect.)

CSEC - Computer Security

CSEC 1500 - Computer Network Security + (3 credits)

This is a technical course for students with prior computer experience. The course focuses on controlling security, access, and the network infrastructure. Topics taught in this course include access control, cryptography, network infrastructure, attacks, and security. Students will examine system security, application of security, organizational security and assessments and audits. Students should strongly consider taking CMAP 1650 (Introduction to Networking) prior to taking this course or have some prior experience working with computer networks. (3 lect.)

CSMO - Cosmetology

CSMO 1500 - Intro to Nail Technology (3 credits)

In this course the student will explore the structure, composition, and growth of nails. The student will study diseases and disorders of the skin and nails. The student will assess the importance of proper disinfection and chemistry of nail-related products. Prerequisite: Completion of or concurrent enrollment in CSMO 1701 and CSMO 1702. (3 lect.)

CSMO 1505 - Nail Technology Lab (3 credits)

This course provides a complete guide to nail technology as it applies to the hands and feet. The student will demonstrate hands-on techniques for nail care, application of nail products, nail art, manicures, and pedicures, as well as hand, arm, feet, and leg massage. The student will apply concepts addressed in CSMO 1500 Intro to Nail Technology. Prerequisite: Completion of CSMO 1701 and CSMO 1702. (6 lab)

CSMO 1575 - Nail Technician Assessment (1 credits)

This capstone course provides the student with a comprehensive review of the knowledge and skills required for certification as a Nail Technician. The student is required to successfully complete a comprehensive exam to pass this course. The student must have successfully completed all other required courses in the Nail Technician program prior to taking this course. (2 lab)

CSMO 1600 - Intro to Skin Technology (3 credits)

This course is an introduction to skin structure, disorders, and nutrition. The student will learn analysis procedures and facial treatments that promote the health and well-being of the skin. Product technology, massage principles, and hair removal techniques are covered in this class. Prerequisite: Completion of or concurrent enrollment in CSMO 1702. (3 lect.)

CSMO 1605 - Skin Technology Lab (2 credits)

This course provides an opportunity for the cosmetology or esthetician student to work through the applications learned in CSMO 1600 Intro to Skin Technology. Prerequisite: Completion of or concurrent enrollment in CSMO 1600, CSMO 1701, and CSMO 1702. (2 lab)

CSMO 1610 - Esthetics Concepts (3 credits)

In this course the student will fulfill infection control practices, will learn how to safely and effectively use facial machines, and will learn correct application of makeup techniques. Prerequisite: Completion of CSMO 1600, CSMO 1605, CSMO 1701, CSMO 1702 and concurrent enrollment in CSMO 1620 (3 lect.)

CSMO 1620 - Esthetics Concepts Lab (2 credits)

This is an advanced course in esthetics that provides hands-on instruction to complement CSMO 1610 Esthetics Concepts. This course covers infection control procedures, facial machine use, facial hair removal, client consultation for makeup and machine facials, makeup application techniques, and advanced skincare practices. Prerequisite: Completion of CSMO 1600, CSMO 1605, CSMO 1701, and CSMO 1702 and concurrent enrollment in CSMO 1610. (4 lab.)

CSMO 1675 - Esthetics Assessment (2 credits)

This capstone course provides the student with a comprehensive review of the knowledge and skills required for certification as an esthetician. The student is required to successfully complete a comprehensive exam to pass this course. The student must have successfully completed all other required courses in the Esthetician program prior to taking this course. (4 lab.)

CSMO 1700 - Intro to Hair Technology (3 credits)

In this course the student will study the properties of the hair and scalp, color and growth patterns of hair. Hair loss and disorders of the scalp are taught. The student will gain knowledge and application of hair structure, hair design and styling. Prerequisites: Completion of or concurrent enrollment in CSMO 1701, CSMO 1702, and concurrent enrollment in CSMO 1705. (3 lect.)

CSMO 1701 - Orientation to Cosmetology (2 credits)

This course is required of all programs in CWC's School of Cosmetology. The course provides an overview of the field and disciplines of Cosmetology. There is an emphasis on professional presence, study skills, ethics, human relations, and interpersonal communication. (2 lect.)

CSMO 1702 - Infection Control and Sci Standards (4 credits)

This course is required of all certifications offered in CWC's School of Cosmetology. Topics include infection control, chemistry, electricity, specific anatomy and physiology. The student will learn proper infection control corresponding procedures, anatomy and body systems, and electrical and chemical components. (4 lect.)

CSMO 1705 - Hair Fundamentals (4 credits)

This course covers the basic structure of hair, hair care practices, and an introduction to the principles of hair design. The student will learn the five elements and five principles of hair design and gain an understanding of the influence of hair type on various hair styles. Prerequisites: Completion of or concurrent enrollment in CSMO 1701, CSMO 1702, and concurrent enrollment in CSMO 1700 (8 lab)

CSMO 1730 - Cosmetology Lab I (3 credits)

This course explores the comprehensive chemical properties and the use of chemical treatment on hair. Emphasis is placed on safety precautions during the hair color process. Prerequisite: Completion of CSMO 1700, CSMO 1702, and CSMO 1705. (6 lab)

CSMO 1735 - Cosmetology Lab II (3 credits)

This course explores advanced techniques of color applications. The student will also explore art contributions to cosmetology. Prerequisite: Completion of CSMO 1730. (6 lab)

CSMO 1775 - Hair Technician Assessment (2 credits)

This capstone course provides the student with a comprehensive review of the knowledge and skills required for certification as a Hair Technician. The student must successfully pass a comprehensive exam to complete the course. The student must have successfully completed all other required courses in the Hair Technician program prior to taking this course. (4 lab)

CSMO 1790 - Clinical Applications III (6 credits)

This course incorporates learning from both lab and lecture performed in an applied setting. This clinical addresses professionalism, communication practices, infection control, critical thinking, time management, and artistic development through work on the public. This course is part of the Cosmetology, Esthetics, Hair Technician, or Nail Technician programs. Prerequisites: Completion of CSMO 1701, CSMO 1702, and all first semester courses in the students declared program. (12 lab).

CSMO 1795 - Clinical Applications IV (4 credits)

This course incorporates learning from both lab and lecture performed in an applied setting. This clinical addresses professionalism, communication practices, infection control, critical thinking, time management, and artistic development through work on the public. This course is part of the Cosmetology, Hair Technician, or Nail Technician programs. Prerequisite: Completion of CSMO 1790. (8 lab)

CSMO 1800 - Clinical Applications V (6 credits)

This class incorporates learning from both lab and lecture performed in an applied setting. This clinical addresses professionalism, communication practices, infection control, critical thinking, time management, and artistic development through work on the public. This course is part of the Cosmetology, Esthetician, Hair Technician, or Nail Technician programs. Prerequisite: Completion of CSMO 1795. (12 lab)

CSMO 1815 - Open Clinical Applications (.5-6 credits)

This is a course for the student needing additional clinical clock hours to fulfill Wyoming Board of Cosmetology requirements. This clinical addresses professionalism, communication practices, infection control, critical thinking, time management, and artistic development through work on the public. The student taking this course will be expected to adhere to the curriculum of the Clinical program and will only attend the clinical until their hours have been met. This course is not covered by financial aid, as it is not part of any of the Cosmetology, Esthetician, Hair Technician, or Nail Technician programs. Students taking this course will have completed all other classes in their program. (1.5-18 lab)

CSMO 1876 - Advanced Cosmetology Assessment (4 credits)

This capstone course is intended to evaluate the student's level of competency in the area of cosmetology in preparation for licensure. The student must pass two comprehensive tests in order to successfully complete this course. The student must have successfully completed all other required courses in the Cosmetology program prior to taking this course. (8 lab)

CSMO 2500 - General Professional Standards I (3 credits)

In this course the student will explore the development of professionals and educators at the collegiate level. The course will cover models in personality types, boundaries, emotional intelligence, conflict management, and ethics and decision making in education. (3 lect.)

CSMO 2505 - Science of Teaching I (3 credits)

This course addresses "who" the student is as a teacher. The course topics include teaching styles, course and class preparation, characteristics of adult learners, and what defines an effective educator. (3 lect.)

CSMO 2510 - General Professional Standards II (3 credits)

This course allows the student to combine all the components covered in CSMO 2500 General Professional Standards I and then builds upon teamwork theory, stress management, and behavioral modification skills. Prerequisite: Completion of CSMO 2500. (3 lect.)

CSMO 2515 - Student Supervision (4 credits)

This course provides the student instructor with practical application opportunities on campus in CWC's School of Cosmetology. The student instructor is expected to implement curriculum as per CWC's teaching standards, give and receive feedback, and will be evaluated to ascertain synthesis of all the tools the student has procured throughout the Instructor of Cosmetology program. Prerequisites: Completion of CSMO 2500, CSMO 2505, CSMO 2510, and completion of or concurrent enrollment in CSMO 2520 and CSMO 2530. (8 lab)

CSMO 2520 - Instructor Assessment (1 credits)

This course is specifically designed for the student to obtain Instructor licensure as mandated by the Wyoming State Board of Cosmetology. This capstone course will review all 20 chapters of the Master Educator course book with online quizzes, in-class discussion and a final in-class cumulative test. Prerequisites: Completion of CSMO 2500, CSMO 2505, CSMO 2510, CSMO 2515, CSMO 2525. (2 lab)

CSMO 2525 - Science of Teaching II (3 credits)

This course is a continuation of the skill sets learned in CSMO 2505. The student will learn and apply concepts for classroom management, learning environments, student assessment, class and course organization and planning, and teaching in lab and lecture environments. Prerequisite: Completion of CSMO 2505. (3 lect.)

CSMO 2530 - Instruction in the Lab (4 credits)

In this course, the student instructor will put into practice skills and theories learned in the Science of teaching classes in the controlled lab environment. This is an active learning class where the student will create lesson plans and grading rubrics, role play classroom conflict and address learning disabilities. Prerequisite: Completion of CSMO 2500, CSMO 2505, CSMO 2510, CSMO 2525, and completion of or concurrent enrollment in CSMO 2515 and CSMO 2520. (8 lab)

CSMO 2535 - Infection & Regulations Review (1 credit)

This course will be a review of the health, safety and infection control requirements and practices in the field of Cosmetology. Wyoming will be reviewed as it pertains to the field of Cosmetology. The student participating in this course must meet the requirements of the Student Instructor as mandated by Wyoming State Board of Cosmetology. (1 lect.)

CULA - Culinary Arts

CULA 1145 - Introduction to Culinary Nutrition (2 credits)

This course provides students with the fundamentals of nutrition relating to the culinary field. Topics to be covered are: healthy menu planning, develop healthy recipes, food safety, quality food production, merchandising, marketing and basic nutrition concepts. This course only satisfies the requirement for Culinary Arts and Hotel/Restaurant Management degree programs. (2 lect.)

CULA 1515 - Basic Culinary Skills (3 credits)

This course is an introduction to the preparation of stocks, soups, classical sauces, contemporary sauces, accompaniments, and the pairing of sauces with variety of foods. Cooking techniques of simmering and boiling, the proper use of knives, tools, small-wares and equipment will also be emphasized. (6 lab)

CULA 1600 - Garde Manger (3 credits)

Garde Manger (cold foods) involves the study of specialty foods and garnishes. Emphasis will be placed on design, techniques, and display of fine foods. Preparation of specialized deli (charcuterie) products including sausages; pates and terrines; carving of vegetables, fruits and ice; the seven families of hors d'oeuvres; composed salad; green salads and salad ingredients; and international cold sauces and dressings is addressed. Methods and techniques of preparation of cold foods, menu developments, and planning banquets and catering are also addressed. (6 lab)

CULA 2700 - Baking (4 credits)

This course is designed to introduce the student to the fundamentals of baking including dough, quick breads, pies, cakes, cookies, tarts, doughnuts, flours, fillings and ingredients. Other topics include baking terminology, tool and equipment use, formula conversions, functions of ingredients, and the evaluation of baked products. Emphasis on advanced techniques is included in the study of classical desserts, French and international pastries, hot and cold desserts, ice creams and ices, chocolate work and decorations. (1 lect., 6 lab)

CULA 2800 - Meat Prep and Cooking (4 credits)

Basic meat preparation and cooking methods applicable to beef, lamb, veal, pork, fish, and poultry are the focus of this course. Cooking procedures such as roasting, sauteing. braising, grilling, baking, broiling, pan broiling, and pan-frying are emphasized. Identification and characteristics of cuts of meat, U.S.D.A. quality grades, and Federal Meat Inspection Regulations are addressed. Overall kitchen functions for preparing and expediting food during service hours in a restaurant are emphasized. (1 lect., 6 lab)

CULA 2900 - Fish and Shellfish Prep and Cooking (3 credits)

This course will study advanced concepts in the preparation of fish and seafood through lab demonstrations and hand-on experience. The course will identify types, species, and market forms of fish and seafood; prepare a variety of seafood menu items; and demonstrate proper processing and preparations of raw fish and seafood. (6 lab)

ECON - Economics

ECON 1010 - Macroeconomics (3 credits)

This course is designed to aid the student in understanding the basics of macroeconomics and how it applies in the community and nation. Discussion and analysis are focused on aggregate economic behavior or the "big picture." The student will explore how the measures of economic performance, such as GDP, inflation, and unemployment are constructed, and how to apply them to evaluate the macroeconomic conditions of an economy. The student will also evaluate basic analytical tools of macroeconomics, primarily the aggregate demand and aggregate supply models, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Recommended completion of or placement into MATH 0920 or higher. (3 lect.) ***SOC***

ECON 1020 - Microeconomics (3 credits)

This introductory microeconomics course helps the student understand economic principles relevant to everyday decisions. It focuses on how individuals, companies, and markets respond to the problem of scarcity. Topics include decision-making, supply and demand, market structures, shortages, surpluses, cost curves, and economic systems. The course encourages critical thinking about how economic choices impact society. Prerequisite: Recommend completion of MATH 0920 or test into MATH 0930 or higher. (3 lect.) ***SOC***

EDCI-Education Curriculum and Instruction

EDCI 3130 - Teaching Social Studies in Elementary School (2 credits)

The student will study content and pedagogy to become a reflective teacher of social studies in the elementary school. The following themes are addressed: curriculum, theory translated into instructional planning and practice, practices that promote effective learning, behavior and relationships, and teaching strategies. Prerequisites: Completion of or concurrent enrollment in EDEL 4500. (2 lect.)

EDCI 3140 - Teaching Reading in Elementary (2 credits)

This course acquaints the student with basic assumptions underlying curriculum and processes in reading and gives opportunities to select and use instructional materials. The course encompasses content and pedagogy to develop the reflective practitioner for teaching literacy in the elementary school. It addresses the following themes: curriculum, theory translated into instructional planning and practice, practices that promote effective learning, behavior and relationships, and teaching strategies. Prerequisites: Completion of or concurrent enrollment in EDEL 4500. (2 lect.)

EDCI 3150 - Teaching Math in Elementary School (2 credits)

This course is designed to prepare the Early Childhood and Elementary pre-service teacher with the research-based methods of teaching mathematics, and includes content and pedagogy in teaching math in the elementary school. The course addresses the following themes: curriculum, theory translated into instructional planning and practice, practices that promote effective learning, behavior and relationships, and teaching strategies. Prerequisites: Completion of or concurrent enrollment in EDEL 4500. (2 lect.)

EDCI 3160 - Teaching Science in Elementary (2 credits)

This course is designed to prepare the Early Childhood and Elementary pre-service teacher with the research-based methods of teaching science. It includes content and pedagogy in teaching science in the elementary school. It addresses the following themes: curriculum; theory translated into instructional planning and practice, practices that promote effective learning, behavior and relationships, and teaching strategies. Materials, methods, and strategies for teaching life, physical, and earth sciences will be presented. Prerequisites: Completion of or concurrent enrollment in EDEL 4500. (2 lect.)

EDCI 4580 - Early Childhood Special Education Endorsement Practicum (3 credits)

The student will participate in a 45-hour practicum experience under the supervision of a special education teacher. A current Wyoming substitute teaching permit or a completed background check is needed before placement in a classroom. (3 lect.)

EDEC - Early Childhood

EDEC 1020 - Introduction to Early Childhood Education (3 credits)

This course is designed to introduce the student to the field of early childhood education through lecture, discussion, observation, and active participation. The student will be exposed to different programs currently in operation in the community and region. Attention will be given to children with special needs and multiculturalism. Emphasis will be placed on evaluating early childhood education as a career. Prerequisites: Completion of or concurrent enrollment in EDFD 1101. (3 lect.)

EDEC 1030 - Infant and Toddler Care (2 credits)

This course provides information on growth and development of children under the age of three along with curriculum implications, defines the interactive role of the caregiver, and explores other components of infant/toddler care including implementation of quality programming and adult interactions. The course, along with EDEC 1035 Infant and Toddler Care Lab, meets the criteria for the Wyoming Infant/Toddler Credential. (2 lect.)

EDEC 1035 - Infant and Toddler Care Lab (1 credits)

This course requires a supervised experience in the care of infants and toddlers at an approved early childhood program. This course along with EDEC 1030, Infant and Toddler Care, meets the criteria for the Wyoming Infant/Toddler Credential. A current Wyoming substitute teaching permit or completed approved background check is needed before placement in a classroom. See instructor for information on appropriate forms and required fee. Prerequisites: Completion of EDEC 1030 or concurrent enrollment. (2 Lab)

EDEC 1100 - Observation and Guidance of Young Children (3 credits)

This course offers the opportunity to learn and practice effective and practical methods of meeting the needs of young children as individuals and as members of a group, in an approved early childhood setting. The lab component provides related, supervised on-site experience in an approved early childhood center. Emphasis is on creating and maintaining positive and constructive learning environments, completing assessments of children, recording behaviors, planning activities, creating materials and learning environments, scheduling, behavior management, and maintaining parent-teacher communication. A current Wyoming substitute teaching permit or completed approved background check is needed before placement in a classroom. See instructor for appropriate forms and required fee. Prerequisites: Completion of EDEC 1020. (2 lect., 2 lab)

EDEC 1200 - Administration in Early Childhood Education (3 credits)

This course examines the early childhood educator's role and responsibilities for starting and operating a preschool or childcare facility. Topics include setting-up programs, managing and supervising staff, business practices, community relations, and making decisions about equipment, materials, meals, and nutrition. Prerequisite: Completion of EDEC 1020. (3 lect.)

EDEC 1205 - CDA Portfolio and Observation (2 credits)

After the completion of 120 hours of formal training, candidates for the Child Development Associate Credential (CDA) are required to have a minimum of three hours of formal classroom observation and create a Professional Resource File. Class Assignments, discussions, and activities will be used to create the resource file. Observations will be coordinated by the instructor in the appropriate setting for the credential being sought. Prerequisites: Completion of EDEC 1020, EDEC 1200, and FCSC 2131, or documentation of equivalent 120 hours of formal training with current employment in a childcare/preschool setting. (2 lect.)

EDEC 1300 - Curriculum Planning and Development for Young Children (2 credits)

This course will examine appropriate curriculum and instructional practices for children from birth through age eight. Other areas of examination will be positive and supportive relationships with parents and communities, integrated goals, and a physically and psychologically safe and healthy learning environment. Prerequisite: Completion of EDEC 1020. (2 lect.)

EDEC 1305 - Curriculum Planning/Dev Young Child Lab (1 credits)

This field experience course provides opportunities for supervised teaching experiences in an approved early childhood education center. Students will plan, implement, and evaluate curriculum activities. A current Wyoming substitute teaching permit or approved background check is needed before placement in a classroom. See instructor for appropriate forms and required fee. Prerequisites: Completion of EDEC 1020 and completion of or concurrent enrollment in EDEC 1300. (2 lab)

EDEC 2000 - Engaging Families in Early Childhood Education Settings (3 credits)

The student will focus on the philosophical, psychological, and sociocultural aspects of working with families and children in early childhood educational, home, and community settings. (3 lect.)

EDEC 2200 - Early Childhood Practicum (3 credits)

The student will gain intensive, supervised teaching experience in an early childhood education setting. The focus will be on developing skills for the care and education of young children, developing a portfolio, plus increasing awareness of administrative skills and current issues in the field. During the semester, the student is required to work/volunteer a total of 60 hours in a directed field experience at an instructor-approved site. A current Wyoming substitute teaching permit or completed approved background check is needed before placement in a classroom. See instructor on appropriate forms and required fee. Prerequisites: Completion of EDEC 1100, EDEC 1300, and EDEC 1305 or instructor's permission. (1 lect., 4 lab.)

EDEC 2470 - Endorsement Practicum (3 credits)

This course is a practicum experience in an education setting. The focus will be on developing a portfolio, increasing awareness of growth and development, teaching strategies, academic content, and classroom management. The course includes an online component of coursework and discussions. (2 lect., 1 lab)

EDEC 3220 - School Programs for Young Children (3 credits)

The student will develop skills in planning, implementing and evaluating developmentally appropriate experiences to encourage intellectual, physical, social, emotional, and creative growth in young children with the focus on the role of learning environments, materials, and play in supporting the teaching and learning process. Prerequisites: Completion of EDEC 1300, EDEC 1305 and EDEC 2200. (3 lect.)

EDEC 4230 - Creating Curriculum for Children with Special Needs (3 credits)

In this course the student will compare curriculum options that are developmentally appropriate for young children with special needs. Completion of EDEC 1300, EDEC 1305, and EDEX 3340. (3 lect.)

EDEC 4250 - Laws and Litigation in Early Childhood Special Education (2 credits)

This course is an overview of the laws and litigation that have influenced the education of young children with disabilities. Prerequisite: Completion of EDEX 2484. (2 lect.)

EDEC 4320 - Oral and Written Language Acquisition (3 credits)

The student will explore the nature of language development as it pertains to oral and written communication in education. Recent research in the areas of oral and written language acquisition is compared and contrasted. Implications for facilitating the development of all language modes in educational settings are emphasized. Prerequisite: Completion of FCSC 3220. (3 lect.)

EDEC 4350 - Health Management Issues in Early Education (3 credits)

The student will examine the implications of a child's physical and mental health status on his/her personal, social, cognitive, language and motor development. The impact of development on quality of child and family life and educational progress is emphasized, working with young children, including young children with disabilities and their families, examples of family-centered, trans-disciplinary and relationship-based approaches to physical and mental health care and education intervention planning. Prerequisites: Completion of EDEC 1020, EDFD 2100, and PSYC 1000. (3 lect.)

EDEL - Education Elementary

EDEL 1410 - Elementary School Mathematics I (1 credits)

This course is designed to allow education students the opportunity to discuss and implement instructional strategies and activities for teaching math. It will provide a linkage between what prospective teachers study and how they will teach materials related to the course material they study. This course will be offered in conjunction with MATH 1100, Mathematics for Elementary School Teachers I. (1 lect.)

EDEL 1430 - Life Science in Elementary School (1 credits)

This course covers the selection and application of basic life science concepts and curricula appropriate for elementary school . Students will prepare appropriate experiments which in turn will be presented to student peers and in elementary classrooms. This course must be taken concurrently with life science class approved for elementary education majors. (1 lect.)

EDEL 1440 - Physical Science in Elementary School (1 credits)

This course covers the selection and application of basic physical science concepts and curricula appropriate for elementary school. Students will prepare appropriate experiments which in turn will be presented to student peers and in elementary classrooms. This course must be taken concurrently with life science class approved for elementary education majors. (1 lect.)

EDEL 1450 - Earth Science in Elementary School (1 credits)

This course covers the selection and application of basic earth science concepts and curricula appropriate for elementary school. Students will prepare appropriate experiments which in turn will be presented to student peers and in elementary classrooms. This course must be taken concurrently with earth science class approved for elementary education majors. (1 lect.)

EDEL 1500 - Introduction to After-School Programs (3 credits)

This course is the first course in a series of three courses leading to a credential in after-school and youth development designed for those interested in working in after-school programs with school-age children. Topics include child development, guidance and observation of school-aged children, human relations, working with families, professional growth and creating environments. (3 lect.)

EDEL 1505 - Planning & Dev of After-School Programs (3 credits)

This course is the second course in a series of three courses leading to a credential in after-school programs designed for those interested in working in after-school programs with school-aged children. Topics include learning environments, scheduling and formats, activity planning and implementation, special events, promoting social emotional development, providing homework and support and professional ethics. Prerequisites: Completion of EDEL-1500. (3 lect.)

EDEL 1510 - Partnerships in After-School Programs (3 credits)

This course is the third course in a series of three courses leading to a credential in after-school and youth development designed for those interested in working with after-school programs with school-age children. Topics include creating quality programs, developing policy, budgets and marketing strategies, current trends and issues and collaborating with families. The students will also gain intensive, supervised experience in an after-school program setting. During the semester, students are required to work/volunteer a total of 30 hours in a directed field experience at an instructor-approved site. A current Wyoming Substitute teaching permit or completed background check are needed before placement. See instructor for appropriate forms and required fee. Prerequisite: Completion of EDEL-1505. (2 lect., 30 hours of practicum required during the semester)

EDEL 2140 - Teaching Literacy in the Elem School (3 credits)

This course acquaints the student with basic assumptions underlying curriculum and processes in literacy and gives the student an opportunity to select and use instructional materials. Prerequisites: Completion of ENGL 1010, and either EDFD 2020 or EDEC 1020 (3 lect.)

EDEL 2280 - Literature for Children (3 credits)

Wide reading and discussion of the literature for children is emphasized. Books that have won recognition as distinguished contributions to the American literature for children are examined. The selection of books for school, home and public library is considered. Besides becoming acquainted with a wide sampling of children's literature, students also establish criteria for evaluation. Prerequisite: Completion of ENGL 1010. (3 lect.) ***HUM***

EDEL 2410 - Elementary School Mathematics II (1 credits)

This course is designed to allow education students the opportunity to discuss and implement instructional strategies and activities for teaching math. It will provide a linkage between what prospective teachers study and how they will teach materials related to the course material they study. This course will be offered in conjunction with MATH 1105, Mathematics for Elementary School Teachers II. (1 lect.)

EDEL 4500 - Residency in Teaching (11 credits)

Residency in Teaching comprises the final two semesters of the teacher education program and provides candidates the opportunity to apply experience and skills from coursework, differentiated instructional practices, multiple learning environments, professional collaboration, school policies and procedures, and reflective practice. During student teaching, candidates steadily increase classroom responsibilities and demonstrate competency in planning, instruction, assessment, and other professional tasks, culminating in their assuming full responsibility for students in a classroom setting. The student demonstrates professionalism throughout all components of the experience.
Prerequisites: Substitute Teaching Permit, 2.75 cumulative GPA, 2.5 GPA in major content courses, completion of all content courses. Concurrent enrollment with appropriate methods courses (Fall-Math & Science /Spring-Language Arts & Social Studies). Instructor permission required for enrollment. (11 lab) (Max 22)

EDEX - Education-Exceptional Child

EDEX 2484 - Intro to Special Education (3 credits)

This course is designed to meet the needs of education majors. It provides a broad overview of effective intervention models of instructional and/or behavior techniques for special needs students within an inclusion setting and/or other continuum of special education options which meet the least restrictive environment. This course would also be helpful for individuals in other fields who need an introduction to the field of exceptional children. Prerequisites: Completion of EDEC 1020 or EDFD 2020. (3 lect.)

EDEX 3340 - Differentiating Instruction in Diverse Classrooms (3 credits)

The student will explore and employ a variety of instructional strategies for the development of cognitive, academic, social, language and functional life skills in inclusive and intervention settings. A foundation for decision making surrounding curriculum development and differentiation will be established. The student will compare specific strategies for differentiating instruction, including co-teaching, differentiating for student needs and characteristics, and addressing content, process, and products. Prerequisite: Completion of EDEX 2484. (3 lect.)

EDFD - Education-Foundations

EDFD 1101 - Intro to Education (2 credits)

This course is intended for students who are interested in working in the field of education. It provides an overview of the different aspects of teaching. The teacher certification process, strategies for successful completion of the teacher education program, job opportunities in education and the creation of an electronic portfolio. (2 lect.)

EDFD 2020 - Foundations of Education (3 credits)

This course offers a general philosophical and sociological survey of educational thought and practice in the United States, viewed as a part of social progress. Students will critically examine the historical, sociological, and philosophical foundations of the present American educational system. They will discuss current significant educational issues and practices. This course is intended for undergraduates who have decided to enter the teaching profession. Prerequisite: Completion of ENGL 1010 and EDFD 1101. (3 lect.)

EDFD 2100 - Educational Psychology (3 credits)

Students will demonstrate knowledge and understanding of psychological concepts, principles, and research relevant to teaching and learning with emphasis on the school setting. Prerequisite: Completion of EDFD 2450 or Instructor Permission. (3 lect.)

EDFD 2450 - Human Life Span Development (3 credits)

This course offers a multi-disciplinary and holistic overview of human development from conception to old age. To understand how and why people function as they do, we will examine the physical, cognitive, psychological, sociological, and emotional aspects of being human and inquire into how goals, interests, and roles in life change over time. (3 lect.) ***SOC***

EDST Educational Studies

EDST 2250 - Educational Assessment (3 credits)

The student will develop skills to select, score and interpret educational assessments. The student will become familiar with standards and benchmarks, reliability and validity, standardized tests and performance assessments. The student will also explore special issues surrounding the assessment of individuals with special needs, and practice designing tests and rubrics for the classroom setting. Prerequisites: Completion of or concurrent enrollment in EDFD 2450. (3 lect.)

EDUC - Education

EDUC 1055 - Introduction to Outdoor Education (3 credits)

This course will show students how to use physical, cognitive, and affective methods to teach lessons in varied settings to different audiences linking educational theories to teaching methods and applications to foster optimal learning. Students will apply educational theories to outdoor teaching methods and learn to select and deliver the instructional strategy that works best for their audience, whether working for a secondary school, college, camp, tour operator, environmental learning center, guide service, or government agency. (2 lect. 2 lab)

EDUC 2001 - Online Course Design (2 credits)

This course introduces the student to best practices in online course design. It focuses on up-to-date research regarding online instructor andragogy. Students learn how to utilize course and unit objectives in relation to choosing appropriate instructional materials and designing assessment strategies. The student studies how to apply the best elements of course design. Practical experience in the use of resources and tools, such as an Learning Management System, is included. Experience with curriculum development as evidenced by college teaching experience is recommended. Prerequisite: Instructor Permission. (2 lect.)

EDUC 2015 - Outdoor Educator: (1 - 5 credits)

This course is offered in conjunction with the National Outdoor Leadership School and prepares students to be safe, competent, responsible wilderness leaders and travelers, familiar with the NOLS outdoor education techniques and philosophies. Students will learn how to supervise novices during a basic wilderness experience. Students will apply environmental ethics during the wilderness experience. This course is offered in more than one environmental setting and may be repeated for a maximum of twelve credits if taken in a new environment each time. (1-5 lect.) (Max 12)

EDUC 2045 - Outdoor Leadership Instructor (1 - 5 credits)

This course prepares instructors to teach and practice responsible habits that promote the health and safety of self and others. Students are exposed to the theory and practice of outdoor leadership, teamwork and expedition behavior which involves commitment to the group, a positive attitude and cooperation to achieve goals. Students will live, travel and guide others in the outdoors within a framework of safety and care for the environment. An awareness of how to apply minimum impact ideas to their lives beyond the course will be developed. Students are expected to be prepared as wilderness educators as well as wilderness leaders. (1-5 lect.)

EDUC 2050 - Outdoor Education & Leadership (1 - 5 credits)

The outdoor education component of the NOLS semester course includes theory and specific techniques for education in the outdoors. The leadership component of this course uses a progression that includes theory, modeling by staff, extensive coached practice, and independent student application in real situations. Students will be given the opportunity to become certified as "Leave No Trace Trainers." This course is part of the NOLS semester course and must be taken concurrently with BIOL 2045 and GR 2050. On certain semesters it is also taken concurrently with HLED 2010. NOLS semesters are taught experientially, so climate, season, terrain, participants, specific course selection, and other factors generally support some outcomes more than other. (1 - 5 lect.)

EDUC 2100 - Practicum in Teaching (3 credits)

The student will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a certified teacher. Letter grade option only. A current Wyoming substitute teaching permit or completed background checks are needed before placement in a classroom. See instructor for appropriate forms and required fee. Prerequisite: Completion of EDFD 2020 or EDFD 2100. (2 lect. 60 hours of practicum required during the semester.)

EDUC 2360 - Teaching With Microcomputers (3 credits)

This class will equip students with the information, skills, and insights necessary for successful integration of computer-based technologies in classroom teaching. Through hands-on experience with word processing, desktop publishing, database, spreadsheet, specialized course-specific software, internet application, multi-media and distance education technology, students will become knowledgeable about computer assisted instruction. (3 lect.)

EHS - Environmental Health and Safety

EHS 1650 - Defensive Driving (0.5 credits)

This Defensive Driving course is designed to emphasize driver safety through increased awareness and hazard recognition. The course addresses driving risks and risk reduction techniques, collision avoidance, personal responsibilities, and impaired driving. Each student will be required to pass the National Safety Council?s examination for certification (4.0 hour defensive driving). Passing the examination for certification does not guarantee a passing final grade. (0.5 lect.)

EHS 2500 - Environmental Compliance Technology (3 credits)

This course explores the application of environmental laws and regulations to the implementation of appropriate compliance strategies, industry processes, and current technologies. Regulations concerning the handling and transport of hazardous materials, air and water pollution prevention and management, and environmental auditing and inspections will be explored in detail.

ELAP - Electrical Apprenticeship

ELAP 1515 - Electrical Apprenticeship 1A (2 credits)

This course is the first in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 1 requirements of the National Center for Construction Education and Research (NCCER). This course introduces students to electrical safety, basic electrical theories, electrical testing equipment, hand bending conduit, and installing fasteners and anchors. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 32 hours lecture - 48 hours outside coursework)(2 lect.)

ELAP 1525 - Electrical Apprenticeship 1B (2 credits)

This course is the second in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 1 requirements of the National Center for Construction Education and Research (NCCER). This course introduces students to the National Electrical Code, and instructs them in the topics of raceways, boxes, fittings, conductors, electrical blueprints, and commercial, industrial, and residential wiring. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 32 hours lecture - 48 hours outside coursework) (2 lect.)

ELAP 1535 - Electrical Apprenticeship 2A (4 credits)

This course is the third in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 1 requirements of the National Center for Construction Education and Research (NCCER). This course continues instruction in the National Electrical Code, and instructs students in the topics of alternating current, motors, ground, conduit bending, boxes and fittings, and conductor installations. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 64 hours lecture - 48 hours outside coursework) (4 lect.)

ELAP 1545 - Electrical Apprenticeship 2B (3 credits)

This course is the fourth in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 1 requirements of the National Center for Construction Education and Research (NCCER). This course continues instruction in the National Electrical Code, and instructs students in the topics of cable trays, conductor terminations and splices, installation of electrical services, circuit breakers and fuses, contractors and relays, and electrical lighting. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 48 hours lecture - 48 hours outside course-work) (3 lect.)

ELAP 1555 - Electrical Apprenticeship 3A (4 credits)

This course is the fifth in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 1 requirements of the National Center for Construction Education and Research (NCCER). This course continues instruction in the National Electrical Code, and instructs students in the topics of load calculators (branch and feeder circuits), conductor selection and calculations, overcurrent protection, raceway, box and fitting fill requirements, wiring devices, and equipment distribution. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 64 hours lecture - 48 hours outside coursework) (4 lect.)

ELAP 1565 - Electrical Apprenticeship 3B (4 credits)

This course is the sixth in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 1 requirements of the National Center for Construction Education and Research (NCCER). This course continues instruction in the National Electrical Code, and instructs students in the topics of distribution system transformers, lamps, ballasts and components, motor calculations, motor maintenance, motor controls, and hazardous locations. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 64 hours lecture - 48 hours outside coursework) (4 lect.)

ELAP 1575 - Electrical Apprenticeship 4A (3 credits)

This course is the seventh in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 4 requirements of the National Center for Construction Education and Research (NCCER). This course will instruct students in the topics of load calculations, lighting, emergency and alarm systems, basic electronic theory, and specialty transformers. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 48 hours lecture - 48 hours outside coursework)(3 lect.)

ELAP 1585 - Electrical Apprenticeship 4B (4 credits)

This course is the final course in a series of eight courses at the electrical apprentice level. This course meets the related apprenticeship training requirements of the State of Wyoming, Department of Fire Prevention and Electrical Safety. It is not required that students be participating in an apprenticeship program to enroll in this course, but it is recommended. The curriculum for this course corresponds to the level 4 requirements of the National Center for Construction Education and Research (NCCER). This course continues instruction in the National Electrical Code, and instructs students in the topics of advanced motor controls, HVAC controls, heat tracing and freeze protection, motor maintenance, and high voltage terminations and splices. Students can expect to complete a minimum of 3 hours coursework outside of class each week. (Related apprenticeship training hours: 64 hours lecture - 48 hours outside coursework) (4 lect.)

ELEC - Electrical

ELEC 1600 - Electrical Principles (3 credits)

This course provides instruction in basic electrical concepts, such as alternating and direct current theory, magnetism, application of Ohm's law and the power formula to series, parallel and combination circuits. Additional course topics include wire sizing, conductor and motor characteristics, circuit requirements, numbering systems, and codes. The student will wire, operate and use a digital multi-meter to troubleshoot and repair various electrical circuits commonly found in residential, commercial and industrial facilities. Prerequisite: Completion of MATH 1500 or MATH 0920. (2 lect., 2 lab)

ELEC 1610 - Electrical Motor Controls (5 credits)

This course provides instruction in alternating current (AC) and direct current (DC). Students identify motor control components, and explain their function and operation. Students will be expected to draw electrical schematics to meet given specifications and then use their schematics to wire the control and power circuits. Students will verify proper operation of circuits and use multi-meters and electrical schematics to troubleshoot and repair various circuits. Prerequisite: Completion of ELEC 1600. (4 lect., 2 lab)

ELEC 1650 - Electrical Examination Preparation (2 credits)

This course is designed to prepare students to take the journeyman state electrical examination by helping them to be organized, employ exam taking strategies, and being both physically and mentally prepared. Students will read and understand the Wyoming Electrical Contractor/Trades Bulletin in order to answer questions most raised by examination candidates. Students will prepare for and take a simulated state journeyman examination under conditions similar to the state test. This examination will include National Electrical Code, electrical theory, and National Electrical Code calculations questions comparable to those likely to be seen on the state examination. After taking the examination, the instructor will review challenging questions with the students. (2 lect.)

ENGL - English

ENGL 0510 - Reading Improvement I (4 credits)

Students in this basic course will do extensive reading and reading improvement activities at an appropriate skill level as determined by evaluations and advisement. Topics covered include word structure, vocabulary enrichment, reading comprehension, and inferential reading skills. A one hour per week tutor-assisted study session is required in addition to regular class time. Students who satisfactorily complete the course will be required to take ENGL 0520, unless they score above the current ENGL 0520 requirement on the retake of the COMPASS placement test. Enrollment in the individualized section will require the instructor's permission. Prerequisite: Test into ENGL 0510. (4 lect.)

ENGL 0520 - Reading Improvement II (3 credits)

Students in this intermediate reading course will do extensive reading and reading improvement activities designed to prepare students for college level reading requirements. Topics covered include comprehension strategies, metacognitive skills, vocabulary enrichment, and critical reading skills. Prerequisite: Completion of ENGL 0510 or appropriate placement score. (3 lect.)

ENGL 0610 - Fundamentals of Composition I (3 credits)

English 0610 is designed as a review of the fundamentals of English sentences with intensive practice in writing clear, coherent sentences and paragraphs. conventions of grammar, usage, punctuation, and spelling will be reviewed. Prerequisite: Test into ENGL 0610. (3 lect.)

ENGL 0620 - Fundamentals of Composition II (3 credits)

English 0620 is designed as a review of the fundamentals of expository writing with intensive practice in writing clear, coherent paragraphs and essays. Emphasis will be placed on focus, development and organization; conventions of punctuation and grammar will be reviewed as necessary. Prerequisite: Completion of ENGL 0610 or placement into ENGL 0620. (3 lect.)

ENGL 1007 - English Writing Workshop (1 credits)

This course is a writing workshop component to work on specific areas of concern tailored to student's unique writing issues and thus prepare them for their assignments for the non-workshop portions of the class. A central objective of the course is to prepare students to successfully complete various writing assignments frequently required of college students. The course emphasizes clear well-ordered expository and argumentative writing, with variety in sentence structure, carefully developed paragraphs, smooth transitions and appropriate use of the language. Prerequisite: Completion of ENGL 0610 or placement into ENGL 0620 or higher. (1 lect.)

ENGL 1010 - English Composition I (3 credits)

A course designed to help the student improve their ability to communicate in writing. A central objective of the course is to prepare the student to successfully complete various writing assignments frequently required of college students. The course emphasizes clear, well-ordered expository and argumentative writing, with variety in sentence structure, carefully developed paragraphs, smooth transitions, and appropriate use of the language. Prerequisite: Placement into ENGL 1010 or concurrent enrollment in ENGL 1007. (3 lect.) ***WR1***

ENGL 1020 - English Composition II (3 credits)

An extension of ENGL 1010. Further refines the student's abilities to gather and synthesize material from independent reading. The student will study language both to appreciate its precise control and to interpret the experience of others. College-level essays (including a research paper) and oral presentations are required. Prerequisite: Completion of ENGL 1010. (3 lect.) ***WR2***

ENGL 1210 - Engcomp I - International Student (3 credits)

The course addresses basic academic writing. It is designed to meet the needs of students of diverse cultures, at different levels of language proficiency. The objective of the course is to equip the student with procedural knowledge (a set of routines) that can be applied to various academic writing patters such as description, process analysis, argumentation and the research essay. By the end of the course, the student will be able to apply The Writing Process efficiently to produce written text in other academic settings. (3 lect.) ***WR1***

ENGL 1220 - Eng Comp II - International Student (3 credits)

This course is designed for non-native speaking (NNES) students at the high-intermediate to advanced level of language proficiency. In this course, the student will engage in the following: the analysis of rhetorical and linguistic features in research articles in their field; the collection of academic sources for summary the synthesis; and the analysis, revision, and discussion of their own writing. By the end of the course, the student will be better able to translate their scholarly activities into written reports that conform to the expectations of the English-speaking academic community. (3 lect.) ***WR2***

ENGL 2002 - Technical Writing (3 credits)

This course focuses on the theory and practice in the planning and writing of technical papers and reports, with emphasis on effective research methods and documentation. This course is designed primarily for students in technical and vocational programs. Each student will concentrate upon the vocabulary and technical aspects related to his or her specific field of study or interest by writing a culminating research project for a real audience. Prerequisite: Completion of ENGL 1010. (3 lect.) ***WR2***

ENGL 2017 - Introduction to Research (3 credits)

This course provides an introduction to the critical and creative aspects of the research process, to the variety of physical and on-line resources available, and to the steps in formulating and writing a research paper. Topics include: locating, using, and evaluating information; online catalogs and databases; search tools and strategy on the Web; information ethics; writing, editing, and finalizing a research paper; documentation style, and more. Prerequisite: Completion of ENGL 1010. (3 lect.)

ENGL 2047 - Writer's Conference (1 credits)

This course is associated with the attendance of a Writer's Conference (approved by the CWC English Department). The student will participate in an intensive study of various aspects of writing at the professional level for magazine publishers, book publishers, blog publishers, and other related fields. The student will interact with professionals in the field and have their writing evaluated by editors, agents, and others working in the writing profession. (1 lect.)

ENGL 2050 - Creative Writing: Fiction (3 credits)

In this course students will be introduced to, and will analyze the formal elements of fiction, such as theme, plot, character, setting, tone, and so on. Students will experience these basic elements as both part of their own process of writing fiction and their understanding of fiction as a finished product--their own, or that of others. The course involves participation in the "creative writing workshop," where fellow artists constructively critique one another's work. This course may be repeated for a maximum of 6 credits applicable toward graduation. Prerequisite: Completion of ENGL 1010. (3 lect.) (Max 6) ***ARTS***

ENGL 2140 - World Literature (3 credits)

This course uses world literature to study the culture, history, and artistic endeavors of many peoples. Students will be presented with information about history, the writers, their works, and literary movements. Students will engage in a wide variety of activities, including practicing writing strategies, essays, and speeches and presentations. Prerequisite: Completion of ENGL 1010. (3 lect.) ***HUM***

ENGL 2186 - Mythology and Folklore (3 credits)

This course emphasizes the diversity of individuals and cultures through the study of a variety of mythos and demonstrates how their respective myths and folktales affect the social, political, and religious backgrounds of their people. Additionally, students learn how myth is played out in a modern setting allowing them to see and help understand differences with their community peers. Prerequisite: Completion of ENGL 1010. (3 lect.) ***HUM***

ENGL 2195 - Irish Literary Studies (3 credits)

Irish Literary Studies provides a general introduction to Ireland, its literature, and its people. The course begins with the Celtic invasion of Ireland then continues to the current attempts to create peace in Northern Ireland. Along the way, this course will examine the lasting influence of the Celtic, Viking, Norman, and English invasions. The course focuses on some central questions about the relationship between politics and language, the varieties of "revolution" in Irish culture, the question of what it means to be an "Irish" writer, the relation between the Irish present and past, and what kinds of "narrative" modern Ireland needs and wishes to construct about itself. (3 lect.)

ENGL 2210 - English Literature I (3 credits)

This course studies the works of major writers from the medieval period through the eighteenth century in English literary history. Reading, writing, and discussion focus on the social, political, and intellectual context of individual works. This course is offered on an infrequent basis; check with the English Department for availability. Prerequisite: Completion of ENGL 1020 or instructor's permission. (3 lect.) ***HUM***

ENGL 2220 - English Literature II (3 credits)

English Literature from the Romantic Period to the present is studied in this survey of major writers. Works of literature are viewed as they influence and are influenced by the events and movements shaping the modern world. Reading, writing, and discussion are the methods of instruction. This course is offered on an in- frequent basis; check with the English Department for availability. Prerequisites: Completion of ENGL 1020 or instructor's permission. (3 lect.)

ENGL 2230 - Intro to Shakespeare (3 credits)

This course is a study of selected plays, poems, and sonnets of Shakespeare, with concentration upon tragedies, comedies, and historical plays. While studying the plays and other writings as works of literature, the student is encouraged to consider them in the context of the times and audiences for which they were written. Prerequisite: Completion of ENGL 1010. (3 lect.) ***HUM***

ENGL 2286 - Legends and Lore (3 credits)

This class focuses on legends and folktales from around the world, stories that are traditional and have some basis in historical events, e.g. King Arthur. Additionally, this class also allows students to delve deeply into legends and lore by completing a semester-length project. While doing this, students will discover and comprehend the meanings and purposes of legends and folktales finding a social relevance for our time and culture. (3 lect) ***HUM***

ENGL 2310 - American Literature I (3 credits)

This survey of American writing begins with the literatures of native peoples, of exploration and settlement, and extends through the develop- ment of a distinct American literature, to the middle of the nineteenth century. Written works are studied within the context of social, poli- tical, and economic changes. Through reading, writing, and discussion of texts and biography, students consider how ideas and movements in- fluenced and were influenced by American litera- ture. This course is offered on an infrequent basis; check with English Department for avail- ability. Prerequisites: Completion of ENGL 1020 or permission of the instructor. (3 lect.) ***HUM***

ENGL 2320 - American Literature II (3 credits)

Beginning with the aftermath of the Civil War, this course examines the works of selected writers up to the present, in the context of social, political and economic changes. Through reading, writing, and discussion of texts and biography, students consider how ideas and movements influenced and were influenced by American literature. This course is offered on an infrequent basis; check with English Department for availability. Prerequisites: Completion of ENGL 1020 or permission of instructor. (3 lect.)

ENGL 2340 - Native American Culture and Literature (3 credits)

This course is a broad study of the literature of American Indian peoples. It includes both oral and written traditions, from the pre-Columbian era to the twentieth century. Legends, oratory, songs, poems, and stories are the matter of the course. Students earning credit for ENGL 2340 may not also receive credit for NAIS 2340. Prerequisites: Completion of ENGL 1010. (3 lect.) ***HUM***

ENGL 2370 - Western American Literature (3 credits)

This course is a study of some major works of western literature, with emphasis on the Northern Rocky Mountain region and Wyoming. It will include novels, poetry, criticism and history of Anglo, Native American and Hispanic literary heritages. This course is offered on an infrequent basis; check with the English Department for course availability. Prerequisites: Completion of ENGL 1020 or instructor's permission. (3 lect.)

ENGL 2492 - Literary Topics: (1 - 3 credits)

This course provides the student with knowledge, understanding, and appreciation of literary works in a condensed, highly focused format. The works will be analyzed using the conventional literary elements of plot, character, diction, setting, and theme. Students may also analyze ancillary issues which will inform their understanding of the works such as historical, social, political, religious effects of the works or influences on the works. Other methods of understanding may also be employed, according to the needs of the students and the demands of the text. The focus will be to give an intensive understanding of a small number of works within a single genre, rather than a broad overview of a large number of texts. (1-3 lect.) (Max 3)

ENR - Environment and Natural Resources

ENR 1005 - Trailbuilding I (1 - 3 credits)

This course prepares the student to design, lay out, construct and maintain natural surface multi-use single track trails using hand-tools. The student will master the fundamentals of sustainable trails through classroom and field-based activities. The student will identify, plan, and complete a sustainable trail project. (2-6 lab.)

ENR 2005 - Trailbuilding 2 (4 credits)

This course builds on students' trail construction and maintenance skills by introducing them to machines commonly used in trail construction. The student will learn to safely operate and maintain a mini-excavator, compact utility loader, compactor, and chainsaw. The student will construct and evaluate retaining walls, drainage features, water crossing structures and mountain bike specific advanced trail features. The student will expand their project planning and design skills by estimating project costs, interpreting and creating construction documents, incorporating universal design principles, interpretation opportunities, and mastering permitting requirements (4 lab, 2 lect.).

ENR 2010 - Environmental Law (3 credits)

This survey course introduces the major federal and state laws that establish environmental standards and resource management requirements for energy-industry activities in Wyoming. An introduction to relevant constitutional and administrative law principles will be followed by study of the National Environmental Policy Act, Endangered Species Act, Wyoming Environmental Quality Act, Clean Air Act, Clean Water Act and others. Wyoming case law and examples will be emphasized. (3 lect.)

ENR 2020 - Soils in the Environment (3 credits)

This course will introduce soils and their properties as components of landscapes and ecosystems. Soils knowledge will be applied to problems in environmental sciences and towards the management of agricultural, wildland, and urban landscapes. Additional topics will include principles of soil remediation in impacted landscapes, soil reconstruction practices, and treatment science to repair contaminated soil systems. Prerequisite: Completion of or concurrent enrollment in CHEM 1000. Completion of BIOL 1080 recommended. (2 lect., 2 lab)

ENR 2030 - Environmental Toxicology (3 credits)

This course will provide an introduction to the general principles of toxicology and the impacts of pollutants upon biological health. Major topics include: source and exposure routes of pollutants, basics of quantitative toxicology, effects of exposure, risk perceptions and assessments, and governmental regulations of pollutants. Prerequisites: completion of either BIOL 1010 or BIOL 1020, and completion of CHEM 1000 or CHEM 1020. (3 lect.)

ENR 2040 - Environmental Regulatory Agencies (1 credits)

This course introduces the primary federal and state agencies that regulate energy industry activities impacting natural resources in Wyoming. Foundational review of governmental structure and Wyoming land ownership will be followed by detailing the identity, roles and respective responsibilities and authority of the primary environmental regulatory agencies in Wyoming. Agencies discussed include the Environmental Protection Agency, Wyoming Department of Environmental Quality, Bureau of Land Management, Wyoming Game and Fish Department, Wyoming Oil and Gas Conservation Commission, and others. Agency knowledge will be applied to Wyoming case studies. (1 lect.)

ENR 2050 - Environmental Field Methods (3 credits)

This course will introduce students to sampling protocols, procedures, quality control, preservation technology, field analysis and data interpretation. Course material will be delivered via both lectures and lab; course completion will require several consecutive days of field effort. (2 lect., 2 lab)

ENR 2060 - Intro to Reclamation (3 credits)

This course will provide an introduction to the background and techniques in reclaiming western rangelands. Major topics include the principles of ecology, agronomy, soils, hydrology, and other relevant disciplines as applied to mitigate adverse environmental impacts of land disturbance. Prerequisites: Completion of REWM 1300 and GEOL 1470. Completion of SOIL 2010, REWM 2000, and REWM 2500 or concurrent enrollment or instructor permission. (2 lect., 2 lab)

ENR 2150 - NAI Certified Interpretive Guide (3 credits)

The Certified Interpretive Guide course is designed for students who will be interactive with the public at various venues including visitor and nature centers, parks, museums, zoos, or backcountry and wilderness environs. The program and certification by the National Association for Interpretation NAI are nationally recognized. The student will receive instruction in both the theoretical and practical foundations of environmental interpretations, and will receive training in how to deliver quality interpretive programming to visitors. To gain certification as an interpretive guide the student will attend all sessions of the workshop, prepare a written outline of a 10-minute thematic presentation, and deliver the presentation. (3 lect.)

ENR 2200 - Greater Yellowstone Ecosystem Naturalist (4 credits)

This course will provide in-depth training in the ecology and environmental interpretation of the Greater Yellowstone Ecosystem. The student will receive instruction in aquatic and terrestrial ecosystems and will learn the skills required to adeptly document and describe these environs. The course will provide the ecological foundations and naturalist skills to adeptly lead and teach others at an introductory level. Participation in the course will involve daily hiking and field activities and much of the course time will be spent outside. Successful completion of this course includes a one-hour interpretive field presentation and submission of a detailed field journal. (3 lect., 3 lab)

ENR 2425 - Mountain Environments (4 credits)

This course is designed to provide an introduction to the principles of general science using the Greater Yellowstone Ecosystem as a focal point. Major topics to be covered are: mountain ecology and geography, glaciology, mechanisms of mountain formation, mountain climates and geomorphology, soils, vegetation and wildlife, and lakes and streams. Similarities and dissimilarities of the Wind River Range to other major mountain ranges of the North American Cordillera will be compared. (3 lect., 3 lab)

ENTK - Engineering Technology

ENTK 1580 - Principles of Technology I (4 credits)

Principles of Technology I is designed to be a first semester course introducing students to the concepts of force, work, rate, resistance, energy, power, momentum, force transformers, waves and vibration, energy converters, transducers, and light optical systems as they relate to mechanical, fluid, electrical, and thermal systems. All concepts are reinforced through technology-related laboratory experiments. Prerequisites: Completion of MATH 1500. (3 lect., 2 lab)

ENTR - Entrepreneurship

ENTR 1501 - Survey of Entrepreneurship (1 - 3 credits)

An independent study wherein students work on individualized learning projects related to their interest and occupational objectives in entrepreneurship. A student may earn and apply no more than six credits toward graduation. The specific topic will be named after the colon. (2 lab; 4 lab; 6 lab) (Max 6)

ENTR 1505 - Entr I: Entrepreneurial Mindset (3 credits)

This course explores the entrepreneurial mindset within both its economic and social contexts, examining the opportunities that entrepreneurship provides. The student will study the key skills, attitudes, and behaviors that successful entrepreneurs have demonstrated, while also analyzing the challenges and obstacles they faced. By comparing historical and modern-day entrepreneurs, the student will gain insights into how an entrepreneurial mindset can drive innovation and overcome adversity. Through critical reflection, the student will assess the core elements of the entrepreneurial mindset and consider how these principles can shape their own approach to entrepreneurship. (3 lect.)

ENTR 1525 - ENTR II: Opportunity Analysis (3 credits)

This course will focus on analyzing the entrepreneurial opportunities. The student will explore the feasibility of using his or her ideas to create a successful business and begin the process of writing a business plan. Prerequisite: Completion of ENTR 1505 or concurrent enrollment. (3 lect.)

ENTR 1590 - Entrepreneurial Leadership I (1 credits)

This course is the first of a two part series to introduce students to other entrepreneurs and their experiences. There will be a series of webinars/seminars with entrepreneurs. It will consist of professional networking opportunities and group discussions. (1 lect.)

ENTR 2510 - ENTR III: Financing Your Business (3 credits)

This course will focus on researching the options for financing the student's entrepreneurial activity. The final weeks of this course will give the student the opportunity to present his or her business to several financial leaders. Prerequisite: Completion of ENTR 1525 or concurrent enrollment. (3 lect.)

ENTR 2520 - Legal Issues for Entrepreneurs (3 credits)

This course provides a broad overview of the laws that affect the entrepreneur. The course emphasizes the legal challenges faced by entrepreneurs. From leaving a current job to taking a company public, the course will help the student avoid potentially costly missteps. This course focuses on the legal issues related to each stage of a start-up business. (3 lect.)

ENTR 2535 - ENTR IV: Strategic Planning (3 credits)

This course will assist the student in putting together a "Roadmap for Success" for his or her business. The student will finalize all materials that will be used to start his or her business. Local networking opportunities will be explored. Prerequisite: Completion of ENTR 2510 or concurrent enrollment (3 lect.)

ENTR 2590 - Entrepreneurial Leadership II (1 credits)

This course is the second of a two part series to introduce students to the business leaders and local, state, and national organizations whose purpose is to assist an entrepreneur in his or her quest towards business ownership. There will be a series of webinars/seminars. It will consist of professional networking opportunities and group discussions. Prerequisite: Completion of ENTR 1590. (1 lect.)

ENTR 4050 - Entrepreneurship Essentials (4 credits)

This course prepares entrepreneurs with the essential framework for examining and launching a new start-up or improving an existing business. The student will explore the fundamentals of building a business model and then apply that model to their own idea or business concept. (4 lect.)

EQST - Equine Studies

EQST 1510 - Equine Nutrition (3 credits)

A study of feed compositions, ration balancing, carbohydrates, proteins, minerals and vitamins, figuring Total Digestible Nutrients (TDNs) as they relate to horses. Mineral and vitamin supplements and additives will also be figured. (3 lect.)

EQST 1590 - Horsemanship I (3 credits)

Fundamental knowledge and skill development in horse anatomy and function, conformation, and riding. Western tack is emphasized with an introduction to English tack and riding. Cues, aids, gaits and maneuvers are thoroughly explained, demonstrated and practiced. Individual help is given in areas needed. The student needs to supply a horse and tack for this class. (2 lect., 2 lab)

EQST 1595 - Horsemanship II (3 credits)

A continuation of EQST 1590 with emphasis on correct horsemanship practices, stabling, training, health care and parasite control. Provides fundamental knowledge and skill development in horse anatomy and function, conformation, and riding. Western tack is emphasized with an introduction to English tack and riding. Cues, aids, gaits, and maneuvers are thoroughly explained, demonstrated and practiced. Individual help is given in needed areas. The student must supply a horse and tack for this class. Prerequisite: Completion of EQST-1590. (2 lect., 2 lab)

EQST 1600 - Training the Barrel Horse (3 credits)

The student will study how fundamental concepts and basic horsemanship skills apply to training a barrel horse. Topics covered include conformation and bloodlines, types of equipment and its use, and training methods. Physical and mental conditioning of both horse and rider will also be stressed. The student will be introduced to the National Barrel Horse Association and the concept of 4-D barrel racing. The course will include a 4-D competition in barrel racing and pole bending. The student must supply a horse and tack for this course. (2 lect., 2 lab)

EQST 1601 - Horse Event Production (2 - 4 credits)

This course is designed to provide the future equine professional with the necessary tools to organize any show, event, or clinic related to the equine industry. Major topics include: planning, fund-raising, financing, insurance and advertising. These principles are utilized to plan and operate a horse show and clinic sponsored by Central Wyoming College Equine Program. This course may be repeated for a maximum of eight credits applicable toward graduation. (1 lect., 2 lab; 1 lect., 4 lab; 1 lect., 6 lab) (Max 8)

EQST 1602 - Training the Barrel Horse II (3 credits)

Training the Barrel Horse II is a continuation of Training the Barrel Horse. The student will continue to develop barrel horse performance by implementing current training methods and skills. The student will analyze their horse's performance, implement training steps, and prepare the horse for competition. The student will be introduced to barrel racing formats, 4D, futurity, and rodeo competitions. The student must supply their own horse and tack for this class. (2 lect., 2 lab).

EQST 1605 - Equine Facility Mgmt I (3 credits)

This course is designed to educate students in safe and effective equine facilities management. Students boarding a horse in a CWC facility must sign up for a Facility Management class. (2 lect., 4 lab).

EQST 1670 - Training the Roping Horse I (3 credits)

This course focuses on the study of conformation and breed characteristics desirable in the roping horse. Included in the course is the examination of various types of equipment and correct fittings for both the horse and rider. Methods of starting the horse on cattle are covered. The student must supply a horse and tack for this course. (2 lect., 2 lab)

EQST 1675 - Training the Roping Horse II (3 credits)

This course is a continuation of EQST 1670, taking the horse started on cattle through the many stages of roping, both in the pen and from a roping box. The emphasis is on correct horseman- ship principles as well as physical and mental preparation of the horse and rider. The student must supply a horse and tack for this course. (2 lect., 2 lab)

EQST 1690 - English Equitation I (3 credits)

The fundamental knowledge and skills required to ride the horse as an English mount will be presented to the student. The student will learn how to progressively develop the correct position, balance and independent use of the aids when riding with English tack, and will be introduced to the disciplines associated with English riding including hunt seat, saddle seat, dressage, jumping, and endurance. Other topics covered include conformation considerations and selection of the English mount, equipment, rules and regulations for different disciplines, systematic training techniques and arena exercises. The student must supply a horse for this class. (2 lect., 2 lab)

EQST 1695 - English Equitation II (3 credits)

A continuation of EQST 1690 with emphasis on correct horsemanship skills and safety. A continuation of basic English equitation with emphasis on refinement of basic dressage and jumping skills. The student must supply a horse for this class. Prerequisite: Completion of EQST-1690. (2 lect., 2 lab)

EQST 1805 - Farrier Science I (3 credits)

This course will provide a detailed study of the equine hoof, including its structure, function, defects, conditions, care and correction. (2 lect., 2 lab)

EQST 1810 - Farrier Science II (3 credits)

This course is a continuation of Farrier Science I and will provide students with an in-depth study of the form and function of a horse's lower leg with emphasis on the hoof. Students will review and utilize various terms of the horseshoeing industry while performing proper normal trimming of the hoof to go barefoot, and while performing normal shoe selection, sizing, preparation of the hoof, and shoeing the hoof properly. This course covers form to function, and how it affects normal conditions and corrective shoeing. Prerequisite: Completion of EQST 1210. (2 lect., 2 lab)

EQST 1811 - Farrier Science III (3 credits)

In this advanced farrier science course, students will be working with forge, cold and hot shaping shoes, mapping out hoof, trimming and dressing of the hoof, determine appropriate size and type of shoe, horsemanship, lameness issues, nailing on shoes, and finishing the feet. Prerequisite: Completion of EQST 1810. (2 lect., 2 lab)

EQST 2210 - CHA Standard Certification (3 credits)

The Certified Horsemanship Association (CHA) Standard Certification is a certification from CHA, the International Association for Safety and Education in Group Riding. This course will evaluate the student's teaching riding skills through written tests, safety practices, skills demonstrations, lesson teaching, and interviews with clinic staff. Officials from CHA issue the Standard Certification. A fee for certification is required. Prerequisites: Completion of EQST 2800. (3 lect.)

EQST 2600 - Horse Showmanship I (3 credits)

This course is designed to improve the knowledge and skills of those who plan to show, sell, train, judge or examine horses. Areas covered include structure, conformation, way-of-going, manners, apparel and equipment, rules and requirements of various classes and breed associations, grooming and fitting, handling and showing techniques for both halter and performance classes. The course will include a class horse show. The student needs to supply a horse for class. (2 lect., 2 lab)

EQST 2605 - Horse Showmanship II (4 credits)

This is an advanced course in horse showmanship designed to provide the future equine professional with horse showing experience. The course will cover show preparation, hauling, performance horse care, warm-up strategies, show ring strategies, performance evaluation, and expense tracking. Students will attend a minimum of three pre-approved open horse shows. At least one attended show must be out of county. Students must supply their own horse, tack, and transportation for this class. Prerequisite: Completion of EQST 1595 and EQST 2600. (1 lect., 6 lab)

EQST 2615 - Stock Horse Use & Showing I (3 credits)

A thorough study of the stock horse and its expected performance on the ranch and in the show ring. The student learns how to develop stock horse performance by focusing on: correct horsemanship, reining readiness, penning and snaffle bit and cutting contests. The student must supply a horse and tack for this class. (2 lect., 2 lab)

EQST 2625 - Stock Horse Use & Showing II (3 credits)

A continuation of EQST 2615, this class includes a thorough study of the stock horse and its expected performance in both ranch work and the show ring. The student continues to develop stock horse performance by focusing on: correct horsemanship, reining readiness, penning, working cow horse, snaffle bit and cutting contests. The student must supply a horse and tack for this class. Prerequisite: Completion of EQST 2615. (2 lect., 2 lab)

EQST 2705 - CHA Equine Facility Mgt Certification (3 credits)

The Certified Horsemanship Association (CHA) Equine Facility Management (EFM) Certification is a certification from the CHA, the International Association for Safety and Education in Group Riding. This course will evaluate the student's EFM skills through written tests, skills demonstrations, lesson teaching, and interviews with clinical staff. Officials from CHA issue the EFM certification. A certification fee will be determined based upon the number of student enrolled and the cost assessed by CHA. Prerequisite: Completion of EQST 1605. (3 lect.)

EQST 2720 - Training the Cutting Horse I (3 credits)

Training the Cutting Horse I is an introduction to cutting. The student will study of rules of cutting, necessary equipment, current training methods and theories. The student will develop and demonstrate the basics of positioning the horse correctly in relation to the mechanical flag and live cattle. The student must supply a horse and tack for this class. (2 lect., 2 lab)

EQST 2725 - Training the Cutting Horse II (3 credits)

Training the Cutting Horse II is a continuation of Training the Cutting Horse I. The student will develop cutting horse performance by implementing training techniques while working the mechanical
flag and live cattle. The student will analyze their performance, implement training steps, and prepare to show. The student must supply a horse and tack for this class. Prerequisite: Completion of EQST 2720. (2 lect., 2 lab)

EQST 2800 - Fundamentals of Teaching Riding I (3 credits)

Fundamentals of Teaching Riding is a methods course to prepare the prospective riding instructor to teach individual and group riding. It includes methods of teaching safety around a horse, basic knowledge of a horse, seat and saddle. It includes application to dressage, jumping, western riding, longe line work, and kinesiology of riding and psychological problems. The student needs to supply a horse and tack for this course. (2 lect., 2 lab)

EQST 2815 - Fundamentals of Teaching Riding II (3 credits)

Fundamentals of Teaching Riding II is a continuation of EQST 2800. It includes preparation for the prospective riding instructor, safety around a horse, proper seat position and its application to dressage, jumping, western riding, class control, longe line work and evaluation of physiological problems in riding. During this course the student will prepare lessons and teach alongside another instructor, then progress to teaching lessons independently. Prerequisite: Successful completion of EQST 2800. (2 lect., 2 lab)

EQST 3600 - Training and Development of the Young Horse I (6 credits)

This course is an advanced riding and training course where the student will develop proper techniques to initiate training and development of young horses, building a foundation upon which more advanced training can be applied. This course includes basic groundwork, trailer loading, longeing, ground driving, saddling, and first ride. The student will implement training techniques to develop a solid foundation, resulting in a green broke horse who is prepared for more advanced training. The student will need to provide a 2 to 3 year-old horse that has little prior handling. Working with young horses is a challenge, due to the unpredictable nature of horses, and requires the successful student to be physically, mentally, and emotionally fit. The student will be directly assessed on their ability to apply acquired training techniques by demonstrating their competency, mastery, and positive progression through the training and development of their young horse. This course requires the strong skills gained in previous EQST courses. Prerequisites: Completion of EQST 2625, instructor permission, and a suitable horse (1 lect., 10 lab)

EQST 3605 - Training and Development of the Young Horse II (6 credits)

This course is part two of Training and Developing the Young Horse. This is an advanced riding and training course where the student will further the training and development of their green broke horse toward a higher level of training for a specific discipline or preparation for marketing for sale. The student will determine specific end goals for the training period and will work with the instructor to develop a training timeline that is realistic and attainable. The student will need to provide a 2 to 4 year-old horse that they have taken through Training and Development of the Young Horse I. Working with young horses is a challenge, due to the unpredictable nature of horses, and requires the successful student to be physically, mentally, and emotionally fit. The student will be directly assessed on their ability to apply acquired training techniques by demonstrating their competency, mastery, and positive progression through the training and development of their young horse toward their determined end goal. This course requires the strong skills gained in previous EQST courses. The student will also create a training contract template. Prerequisites: Completion of EQST 3600, instructor permission, and a suitable horse (1 lect., 10 lab)

ES - Engineering

ES 1000 - Orientation to Engineering Study (1 credits)

A survey of the engineering profession including engineering curriculum, types of engineers, what services they perform, and engineering ethics and professionalism. The course also covers basic analytical methods used by engineers and engineering students. Prerequisites: Completion of MATH 0930 or test into MATH 1400 or higher. (1 lect.)

ES 1060 - Intro to Engineering Problem Solving (3 credits)

This course is an overview of the methodology and tools used in the engineering profession for analyzing problems. Example problems are solved using spreadsheet tools and structured programming languages. Prerequisite: Successful completion of MATH 2200 or concurrent enrollment. (2 lect., 3 lab)

ES 2110 - Statics (3 credits)

Statics is the study of vector mechanics of particles and rigid bodies in static equilibrium. Prerequisites: Completion of or concurrent enrollment in MATH 2200. (3 credits)

ES 2120 - Dynamics (3 credits)

Dynamics is the study of vector dynamics of particles and rigid bodies, including impulse-momentum and work-energy application. Prerequisites: MATH-2205 and ES-2110. (3 lect.)

ES 2210 - Electric Circuit Analysis (3 credits)

Electric Circuit Analysis introduces the student to the basic concepts of electric circuit theory, dependent sources, network theorems, first and second order circuits, phasors, and three-phase circuits. Prerequisites: Completion of or concurrent enrollment in MATH 2205. (2 lect., 2 lab)

ES 2310 - Thermodynamics (3 credits)

Thermodynamics is the study of macroscopic systems involving energy and its various forms, fundamental concepts including energy, mass and entropy balances, pure substances and availability, reversible and irreversible processes. Prerequisites: Completion of MATH 2210 and ES 2120 or PHYS 1310. (3 lect.)

ES 2330 - Fluid Dynamics (3 credits)

Introduction to the fundamental aspects of fluid dynamics. Topics include hydrostatics, the Bernoulli equation, the Reynolds transport theorem, the Navier-Stokes equations, pressure drops in piping systems, analysis of dimensionless groups and evaluation of centrifugal pumps. Prerequisites: Completion of MATH 2210 and ES-2120 or PHYS-1310. (3 lect.)

ES 2410 - Mechanics of Materials (3 credits)

Mechanics of Materials will study the mechanics of deformable bodies, including energy methods. Prerequisite: Completion of ES 2110 and MATH 2205. (3 lect.)

ESL - English Second Language

ESL 0510 - Bas Reading,Pronunciation &Conversation (3 credits)

This course focuses on reading, comprehension and vocabulary development. A special emphasis will be placed on contemporary American idioms. The course is intended to provide the ESL student with the foundation skills necessary for academic reading in degree programs. (3 lect.)

ESL 0610 - Composition and Grammar (4 credits)

This course is designed as a review of the fundamentals of English sentences with intensive practice in writing clear, coherent sentences and paragraphs. conventions of grammar, usage, spelling and punctuation will be reviewed, with special emphasis on ESL related grammar problems. Students who satisfactorily complete the course will be required to take ENGL 0610, unless they score above the current ENGL 0610 requirement on the retake of the COMPASS placement test. Prerequisite enrollment in CWC's Intensive English Institute. (4 lect.)

ESL 1000 - American Culture & English Conversation (3 credits)

This course is designed to help students who are not from the United States and for whom English is a foreign language become familiar with American culture and conversation. The course encourages students to recognize differences between their own culture and American culture, focusing on the importance of good communication among the people of the world. The students will be exposed to various cultural and social institutions in the West by visiting areas like, but not limited to, the Wind River Indian reservation, local ranches, historic pioneer and mining/ghost town sites on South Pass. Students will be required to complete a writing assignment after each experience detailing the similarities and differences between their own culture and the culture of those they interacted with. The course will also offer students opportunities to converse with native English speakers in contexts outside of the classroom. Prerequisite: enrollment in CWC's Intensive English Institute. (3 lect.)

FCSC - Family & Consumer Science

FCSC 1140 - Nutrition (2 credits)

This class will provide students with an in-depth study of nutrition. Students will gain fundamental principles of nutrition and physiology, and apply these to his/her life as well as influence others in proper nutritional concepts. This course is designed for students interested in general body nutrition and for those who have the desire to keep abreast of the latest technology in food as it relates to health and well-being. This course is recommended for students in physical education, nursing, early childhood development but is open to others as well. (2 lect.)

FCSC 2121 - Child Development (4 credits)

The student will assess various societal and cultural influences on the growth and development of children during the early childhood period. Emphasis will be placed on the period from conception to age eleven. The student will observe infants, toddlers, preschoolers, and primary grade children for a total of 30 hours during the semester in order to relate theory to the actual behavior of children. Prerequisite: Current DFS or criminal background check. (3 lect., 1 lab)

FCSC 2131 - Family Relations (3 credits)

This course provides an overview of current research on family relations, family theory, and family dynamics across the lifespan. An ecological and family system approach will be used, with particular focus paid to the understanding of contextual influences on families. (3 lect.)

FCSC 3220 - Multicultural Influences on Children and Families (3 credits)

The student will examine diversity in families whose children are enrolled in early childhood education classrooms. The student will research cultural diversity in parenting and family communication, family stressors, risk and protective factors, and parenting styles. A variety of strategies for communicating and collaborating with families and involving them in the curriculum planning and assessment will be evaluated. Prerequisite: Completion of EDEC 2000, FCSC 2121, EDFD 2100, or PSYC 2300. (3 lect.)

FCSC 4124 - Families of Young Children with Special Needs (3 credits)

The student will explain the importance of including the family in the process of early intervention with the preschool child, particularly if the child has special needs. Examining and assessing family needs, engaging the family in goal setting, and working with the family to create a strong parent-professional partnership will be the main content areas in this course. Prerequisites: Completion of FCSC 2121 or PSYC 2300. (3 lect.)

FDSC - Food Science

FDSC 1410 - Scientific Study of Food (3 credits)

This introductory food science course deals with current questions and concerns about foods. The student will consider food composition, effects of food processing, food labeling, diet, degenerative diseases, and general health. The student will become familiar with foods and food industry. (3 lect.)

FDSC 1500 - Beef Fabrication (1 - 3 credits)

The student will utilize proper techniques of beef fabrication. The student will be directly involved in carcass fabrication in the CWC Meat Laboratory. (0.5-1 lect., 1-4 lab)

FDSC 1501 - Pork Fabrication (1 - 3 credits)

The student will utilize proper techniques of pork fabrication. The student will be directly involved in carcass fabrication in the CWC Meat Laboratory. (0.5-1 lect., 1-4 lab)

FDSC 1502 - Lamb Fabrication (1 - 3 credits)

The student will utilize proper techniques of lamb fabrication. The student will be directly involved in carcass fabrication in the CWC Meat Laboratory. (0.5-1 lect., 1-4 lab)

FDSC 1504 - Poultry Slaughter and Fabrication (1 - 3 credits)

The student will utilize proper techniques of poultry slaughter and fabrication. (0.5-1 lect., 1-4 lab)

FDSC 1510 - Livestock Harvest (3 credits)

The student will practice proper techniques of livestock harvest utilizing Instructor approved facilities, equipment and tools. Prerequisite: Completion of or concurrent enrollment in FDSC-1410. (1 lect., 4 lab)

FDSC 1520 - Food Safety and Meat Processing: (0.5 - 3 credits)

The student will practice techniques of harvesting meat animals and fabrication of the carcass in the CWC Meats Laboratory. The student will also practice food safety during the process. (.5 lect. - 3 lect.) (Max 6)

FDSC 1580 - Wild Game Processing (1 - 3 credits)

The student will utilize proper techniques of wild game fabrication. (0.5-1 lect, 1-4 lab)

FDSC 2040 - Principles of Meat Animal Evaluation (3 credits)

The student will evaluate livestock and carcass beef, lamb and pork. Slaughter, meat inspection and anatomy are discussed. (2 lect., 2 lab)

FILM - Film

FILM 1000 - Introduction to Film (3 credits)

This course explores the relationship between form and content within film. The course introduces students to how the audio and visual aspects of a film are created. Students will learn the roles involved in a film production crew and how each position can use form to influence content. The course will identify where art and culture meet in the movie theater and how global and national markets are influenced and respond to film as an art and a business. (3 lect.) ***HUM***

FILM 1050 - Film Expeditions: (1 credits)

This course provides students with a film industry experience that exceeds what is possible in the classroom. Students will explore different film communities, film festivals or trade shows with an aim to identify and explore pre-production, production and post-production on a larger scale. Examples are: Sundance Film Festival, NAB Show, etc. The specific location will be named after the colon. (1 lect.)

FILM 1100 - Film Production I (4 credits)

This course is designed to introduce students to the preproduction, production, and postproduction process of creating a moving image. The course focuses on the basic skills of a production crew including on-set experience along with hands-on-training of the nuts-and-bolts aspects of filmmaking. Basic post-production skills include using digital editing software that incorporates shot/reverse, spatial, graphics, parallel, temporal, rhythmic, continuity and transition editing techniques into the student's work. The student will demonstrate the role of each key member in a production crew. Students will create and screen short film productions and provide critical feedback to classmates. (3 lect., 2 lab) ***ARTS***

FILM 1300 - Editing (3 credits)

This course focuses on teaching students the process of postproduction in the television and film industry. Video editing software is used to prepare students for the basic process of storytelling, introducing techniques in video, audio, graphics and effects editing. The psychological and emotional effects of editing on the overall story are discussed. Classes are supplemented with individual consultations at the computer. (3 lect.)

FILM 1400 - Screenwriting I (3 credits)

This course focuses on the fundamentals of storytelling within the screenplay format, and provides students with constructive analysis and support as they take a script through the screenwriting process to write the first 60 pages of a feature-length screenplay or a television pilot workshop table readings and provide feedback to classmates. Students are encouraged to tell their stories visually and not rely solely on dialogue. (3 lect.)

FILM 2000 - Film Production II (3 credits)

This course is an advanced exploration of the art of filmmaking. Film Production II is designed to build upon basic skills learned in Film Production I. Students apply advanced techniques in the art of preproduction, production, and postproduction including advanced on-set experience along with hands-on-training in all aspects of filmmaking. Film Production II student experience advanced training in various film crew jobs that continue to develop their ability to work on a large production. Film Production II students will also be trained and certified on all CWC film equipment. Prerequisite: Completion of FILM 1000. (3 lect.)

FILM 2100 - Cinematography (3 credits)

This course focuses on the fundamentals of cinematography in the film production realm. Students will analyze and apply the concepts of advanced cinematography; specifically, the use of cameras and lighting. Innovative camera techniques as well as progressive lighting concepts will be studied and applied to various film projects. The management and efficient application of camera, electrical, and grip departments will complete the study of the motion picture cinematographer. (3 lect.)

FILM 2300 - Directing (3 credits)

This course introduces students to the language and craft of film directing. Students apply techniques to communicate and collaborate effectively with their actors and crew. Students demonstrate unique ways that a director approaches visual storytelling and how the director manages the task of staging scenes, and moving actors within the frame. Prerequisite: Completion of FILM 2100. (3 lect.)

FILM 2380 - Cinema History (3 credits)

This course is designed to enhance the student's understanding, appreciation, and critical perceptions of cinema as an art form and cultural force. An historical survey approach is used to trace the artistic and technical development of cinema from its origins to today. Significant world films representing key historical periods, styles and national movements will be screened in class and analyzed within their historical and cultural contexts. A student earning credit in this course may not earn credit in COMM 2380. (3 lect.) ***HUM***

FILM 2400 - Screenwriting II (3 credits)

This course builds upon the knowledge and fundamental skills mastered in Screenwriting I. Students will take their script to completion to write the final 60 pages of a feature length screenplay or a revision of a 60 page television pilot; workshop table read-throughs, and provide feedback to classmates. Screenwriting II students will meet with Screenwriting I students to provide advanced feedback based on their experience in Screenwriting I. Students are still encouraged to tell their stories visually and not rely solely on dialogue to tell the story. Prerequisite: Completion of FILM 1400. (3 lect.)

FIN - Finance

FIN 1000 - Personal Finance (3 credits)

This is an introduction to personal financial planning. The student will focus on practical application and decision-making involving personal budgeting, savings, credit scores, consumer credit cards and loans, insurance, financing major purchases, income tax, investments, retirement, real estate, personal values, and social responsibility. (3 lect.)

FIN 1001 - Personal Financial Planning (1 credits)

This course is designed for students with diverse educational backgrounds and provides foundation instruction on the basics of real-world, personal financial topics. The emphasis is on practical application and decision-making involving personal budgeting, savings, time value of money, credit scores, consumer credit cards, and loans. (1 lect.)

FIN 1002 - Risk and Credit Management (2 credits)

This course is designed for students with diverse educational backgrounds and provides foundation instruction on the basics of real-world, personal financial topics. The emphasis is on practical application and decision-making. Besides personal budgeting, savings, time value of money, credit scores, consumer credit cards, and loans covered in this course, additional topics include income tax, insurance, buying a car, financing major purchases, fundamentals of investments, and healthcare costs. (2 lect.)

FMT - Facilities Maintenance

FMT 1500 - Custodial-Facilities Attendant (3 credits)

This course introduces students to the safe, efficient, and effective performance of custodial duties in a commercial environment. Major topics of this course include chemical cleaning agents, effective disinfectant application, cleaning and polishing techniques for a variety of surfaces, cleaning techniques for different floor coverings including carpet, tile, and hardwood floors, and spot and stain removal techniques for a variety of surfaces. This course also introduces students to techniques used to efficiently and effectively clean restrooms, showers and culinary facilities. Students will be required to demonstrate mastery of safety, work ethic, soft and technical skills required of custodial - facilities attendant. Prerequisites: Completion of CNTK 1510. (2 lect., 2 lab)

FMT 1505 - Intro to Life Safety Codes (2 credits)

This course introduces students to codes and guidelines applicable to Facilities Maintenance Technology. Emphasis is placed on using codes and guidelines to answer relevant facilities maintenance questions. Codes and guidelines examined in this course include: National Fire Protection Association (NFPA) 101 Life Safety Codes, International Building Code (IBC), Americans' with Disabilities Act (ADA) Codes, National Electric Code (NEC), and the National Standard Plumbing Code (NSPC). (2 lect.)

FMT 1510 - Grounds Keeping (2 credits)

This course introduces students to the grounds safety hazards, tools and equipment safety and operation. Students are taught accident prevention practice, shop housekeeping, equipment inspections and preventative maintenance. Emphasis is also placed on sustainable landscaping, mulching and composting, planting techniques, caring for lawn, trees, and shrubs. Students are taught water managements systems and conservation practices. Students are provided opportunities to develop and apply grounds maintenance skills including safety, work ethic, technical skills. (1 lect., 2 lab)

FMT 1515 - Grounds Equipment Maintenance (2 credits)

This course provides students hands-on learning to safely operate, maintain and repair grounds tools and small engine equipment. Students will demonstrate effective use and care of precision measuring instruments and electrical and mechanical testing devices. Students will also learn equipment inspection techniques, preventative maintenance systems, accident prevention practices and the importance of shop housekeeping. (1 lect., 2 lab)

FMT 1520 - Industrial Mechanics (4 credits)

This course introduces students to the mechanical body of knowledge needed to perform maintenance on facilities equipment. Emphasis is placed on precision measurement instruments, basic concepts of industrial chain and belt drive systems, bearings and lubrication systems, shaft alignment procedures, maintenance and troubleshooting of valves, gears, and pumps. Students will be required to calculate sprocket and pulley sizes to acquire desired machine shaft speeds, use both reverse dial/rim and rim/face shaft alignment procedures, perform vibration analysis, and maintain and trouble shoot valves, gears, and pumps. (3 lect., 2 lab.)

FMT 1530 - Crew Leadership I (2 credits)

This course introduces students to the tools necessary to manage a crew. Specific attention is given to developing the skills to enhance quality, productivity, and safety in the work environment. This course also provides students the opportunity to develop skills supervising a work crew under the direction of an instructor. (2 lect.)

FMT 1540 - Crew Leadership II (2 credits)

This course is a continuation of FMT 1530, Crew Leadership, which develops an entry-level supervisor's skills and will focus on critical thinking skills to implement the core concepts that are vital to crew leadership. Students will have the opportunity to continue to develop entry-level supervisory skills under the direction of an instructor. Prerequisite: Completion of FMT 1530. (2 lect.)

FMT 1550 - Energy & Environmental Mgt (3 credits)

This course will introduce to students how their daily activities at work and home affect the green environment. Topics include carbon footprint, solid waste, alternative construction methods and materials, heating and cooling, pollution and control measures, and indoor quality air. Best practices in energy, site protection and restoration, landscaping, water and waste water management are addressed. (3 lect.)

FMT 1600 - Building Maintenance (5 credits)

This course is designed to introduce students to basic building maintenance skills. The course is an overview of the anatomy of a house, types of building materials, building codes and permits. Prerequisites: Completion of CNTK 1510, CNTK 1520 and CNTK 1700. (4 lect., 2 lab)

FMT 1650 - Basic HVAC Control Systems (3 credits)

This course is designed to provide students with instruction on basic HVAC theory, control systems concepts, and terminology. Students will receive hands-on training operating, troubleshooting and repair basic heating, ventilation, and air conditioning (HVAC) systems. Prerequisite: Completion of ELEC 1610. (2 lect., 2 lab)

FREN - French

FREN 1010 - First Year French I (4 credits)

The fundamental skills of the language are studied through a grammatical and conversational approach. Emphasis is placed on developing speaking, listening, writing and reading skills. It is primarily for those with no previous language experience. (4 lect.)

FREN 1020 - First Year French II (4 credits)

This course offers continued study of the basic FREN 1010 skills with additional emphasis on writing, speaking and reading. Prerequisite: Completion of FREN 1010 or two years of high school French equivalent. (4 lect.)

FREN 2030 - Second Year French I (4 credits)

Reading from novels, short stories, and other sources; review of grammar principles, and speaking skills are the focus of FREN 2030. Prerequisites: Completion of FREN 1020 or three years of high school French or equivalent. (4 lect.)

FREN 2140 - Introduction to Reading (3 credits)

This course introduces the literature of French authors. Analysis of literary types and concepts is studied. Emphasis is on reading, speaking and writing skills. Prerequisites: Completion of FREN 2030 or three years of high school French or equivalent. (3 lect.)

GEOG - Geography

GEOG 1000 - World Regional Geography (3 credits)

The course explains the modern world's great geographic realms and their human and physical contents, their assets and liabilities, links and barriers, potentials and prospects. It introduces geography itself, the discipline that links human societies and natural environments. (3 lect.)

GEOG 1010 - Intro to Physical Geography (4 credits)

This course provides a systematic exploration of patterns and processes of the Earth's physical geographic environment, including the atmosphere, climate, hydrological cycle, tectonics, landforms, soils, ecosystem dynamics, and the influence of humans on these systems. The student will learn principles and tools within the discipline of geography and apply them to studying relationships between the Earth's atmosphere, lithosphere, biosphere, and hydrosphere at multiple spatial and temporal scales. (3 lect., 3 lab) ***LSCI***

GEOG 1020 - Intro to Human Geography (3 credits)

An introductory course in human (cultural) geography for students who may not have previously taken a college-level geography course. The main purpose of the course is to introduce students to the study of geography as a social science by emphasizing the relevance of geographic concepts to human problems. We try to answer two basic questions: Where are people located on the earth's surface, and why are they located in particular places? (3 lect.) ***SOC***

GEOG 2950 - Research In: (3 credits)

This course provides an introductory level opportunity for students to design and conduct a field- or lab-based research project in anthropology, environmental science, human or physical geography, and/or applied geospatial science. The student will work with a faculty mentor to conduct a foundational literature review, discuss principles of scientific research and project design, perform supervised data collection and analysis, and present their work. Specific research topics will vary. (3 lect.)

GEOL - Geology

GEOL 1070 - The Earth: Its Physical Environment (4 credits)

This course is a broad introductory level course in earth and space science covering topics from physical and historical geology, meteorology, oceanography, planetary astronomy and stellar astronomy. It illustrates fundamental concepts, processes, products and the relationships between them. The course emphasizes the nature of science and relationships between selected topics and society. This course serves elementary education majors (who should also enroll in EDCI 1450 concurrently or the next semester) as well as other non-science majors. This course cannot be used for LSCI credit toward any A.S. degree in Science or Math. Students earning credit in GEOL 1070 may not earn credit in ASTR 1070. (3lect. 3 lab) ***LSCI***

GEOL 1100 - Physical Geology (4 credits)

This course examines the modern concepts of Earth's physical makeup, the processes and forces acting on our planet, and the changes that occur with time. Specific course topics include: plate tectonics, planetary evolution and structure, geologic time, minerals and rocks, the rock cycle, earthquakes, volcanism, mountain building, the ocean floor, running water and groundwater. In addition, the topics of glaciers, deserts and shorelines, geologic hazards and economic resources may be included. Laboratory exercises will focus on mineral and rock identification, topographic maps and landscape formation. This course serves both majors and non-majors. A field trip is required. (3 lect., 3 lab) ***LSCI***

GEOL 1200 - Historical Geology (4 credits)

This course presents the origin and history of Earth, as well as the evolution of its life, based on the rock and fossil record. The course also reviews the changing geography of Earth through geologic time, emphasizing climate change, the theory of plate tectonics and the evolution of North America. The connection between geologic and biologic evolution is emphasized. Laboratory exercises will focus on mineral, rock, and fossil identification, structural block diagrams, stratigraphy, sedimentary rocks, and structures, and geologic time. This course serves both majors and non-majors. A field trip is required. (3 lect., 3 lab) ***LSCI***

GEOL 1470 - Environmental Geology (4 credits)

Environmental geology is the study of the interactions between humans and their surface or near-surface geologic environment: rocks, water, air, soil, life. Humans are impacted by Earth processes, and by their activities, have an impact on Earth. Using physical geologic principles (rocks, minerals and plate tectonics) as a foundation for the study of these environmental interactions, this course will explore issues relating to natural hazards such as earthquakes, volcanoes, floods, and mass movement; natural resources including water, soil and energy; climate change; human population; pollution and environmental policies. Laboratory exercises will apply geologic principles to environmental problems. Field trip required. (3 lect., 3 lab) ***LSCI***

GIST Geospatial Information Science and Technology

GIST 1050 - GNSS Field Data Collection (3 credits)

This course introduces the student to cloud-based GIS applications and field data collection using ArcGIS Online. The student will learn the fundamentals of GNSS/GPS technology and collect GNSS/GPS data using Field Maps, Survey123, and QuickCapture. The course emphasizes practical skills in creating Web maps and completing projects that integrate field-collected data making it ideal for the student interested in land management and/or outdoor recreation. (2 lect., 2 lab)

GIST 1100 - Workshop in UAV Mapping and GIS Applications (1 credit)

This course provides a hands-on introduction to using Uncrewed Aerial Vehicles (UAVs) for geospatial data collection and analysis. The student will learn basic flight planning, safety protocols, data capture techniques, and how to process UAV data to create maps and 3D models. The course also explores real-world applications of UAV technology in fields like agriculture, environmental monitoring, and land management along with key ethical considerations. (1 lect.)

GIST 1200 - Geospatial Foundations (4 credits)

This course provides an overview of the role of geographic information science, maps, and technology in contemporary geospatial problem solving. Major topics include the foundations and applications of geographic information systems (GIS), global positioning systems (GPS), and remote sensing (RS). The course will involve the application of geospatial concepts, including coordinate systems and map projections, introductory mapping skills, and societal applications of geospatial technologies. Prerequisites: Completion of MATH 0900 or test into MATH 0920 or higher. (3 lect. 3 lab) ***LSCI***

GIST 2000 - Professional GIST: (1 - 6 credits)

This course offers classroom, lab, or field opportunities that explore various professional applications of geospatial information science and technologies (GIST). Specific topics will vary. (1 - 6 lect.) (Max 9)

GIST 2110 - Techniques in Cartography (4 credits)

This course introduces the principles and practices of digital map making and cartographic representation. Content will emphasize basic principles of map design and creation and will employ techniques associated with geographic information system (GIS) data analysis and output phases. Topics will include map design principles, symbolization, data classification, map scale and generalization, typography, and color theory. Prerequisites: Completion of GIST 1200 and GIST 2310. (3 lect., 3 lab)

GIST 2120 - Geographic Information System Databases (3 credits)

This course presents and introduction to the structure and use of geodatabases. Topics include general database theory; and the creation, editing, and management of relational databases and geodatabases. Prerequisites: Completion of GIST 1200, GIST 2310 and GIST 2410. (3 lect.)

GIST 2125 - Geographic Info Systems Database Apps (1 credits)

This course provides instruction and practical exercises relating to the design and creation of geodatabases, the geodatabase inter-face with global positioning systems (GPS); and techniques for optimizing geodatabases. Prerequisites: Completion of GIST 1200, and GIST 2310; and completion of or concurrent enrollment in GIST 2120. (0.5 lect., 1 lab)

GIST 2130 - Spatial Analysis (4 credits)

This course introduces students to using statistical techniques for solving spatial problems. Students will learn to apply the principles of statistics to address the distributional and locational aspects of spatial data within a variety of situations. Topics include spatial sampling, measures of dispersion and central tendency in spatial analysis, spatial autocorrelation, regression analysis, hypothesis testing, and decision support analysis. Prerequisites: Completion of GIST 1200, GIST 2310 and GIST 2410; MATH 1000 or MATH 1400; and STAT 2050 or STAT 2070. (3 lect., 3 lab)

GIST 2135 - Applied GPS for GIS (3 credits)

This course covers the principles and fundamentals of global positioning systems (GPS) and the integration of GPS into geographic information systems (GIS). Major topics include GPS system principles, operations, and techniques to improve accuracy. Course content also includes applications of datum, projections, coordinate systems, differential correction and accuracy assessments. (2 lect., 2 lab)

GIST 2140 - Survey of Remote Sensing Applications (4 credits)

This course provides a foundation in the skills and techniques to acquire, enhance, interpret, and analyze aerial-photography and digital imagery using visual and computer-based methods. Topics include the basics of electromagnetic radiation, imaging systems, digital data, landscape interpretation, and digital image processing techniques. This course also includes mobile mapping and the use of the global positioning system (GPS) in geographic information system (GIS) integration. Prerequisites: Completion of GIST 1200, GIST 2310 and GIST 2410. (3 lect., 3 lab)

GIST 2180 - Geospatial Web Applications (4 credits)

This course involves the design, creation, configuration, and optimization of geospatial servers and applications to deliver content across the Internet. The student will be introduced to the design of geospatial servers and maintenance of basic geospatial Web services and applications. The course includes an introduction to browser and mobile-enabled interactive applications. Prerequisites: Completion of GIST 1200. (3 lect., 3 lab)

GIST 2190 - Intro to Programming Geospatial Information Science and Technology (3 credits)

This course provides an introduction to advanced geoprocessing techniques and scripting. Topics include working with a model builder, scripting fundamentals and geographic information system (GIS) customization. Prerequisites: Completion of GIST 1200, GIST 2310, GIST 2410, and MATH 1400. (3 lect.)

GIST 2310 - Intro to Geographic Information Systems (4 credits)

This course introduces fundamental concepts associated with Geographic Information Systems (GIS). Topics include geospatial data models; data acquisition; data integration from global positioning systems (GPS) and geocoding. Additional class time will be devoted to data manipulation, presentation and editing. Prerequisites: Completion of MATH 0900 or test into MATH 0920 or higher. (3 lect., 3 lab.)

GIST 2395 - Capstone Project in Geographic Information Systems (3 credits)

This course is designed to provide support to students as they establish, design and complete a capstone project using geographic information systems (GIS). The completion of this project will require researching, planning, building, implementing, testing and presenting the GIS solution. Topics for this course include: project selection, developing a project plan, data capture and management, data analysis, data output and project closure. Prerequisites: Completion of GIST 1200, GIST 2310, and GIST 2410. (3 lect.)

GIST 2410 - Advanced Geographic Information Systems (4 credits)

This course provides and introduction to the analysis techniques used in Geographic Information Systems (GIS) and the application of the techniques to GIS problem solving. Topics include analyzing and querying tabular data, editing and modification of GIS data, spatial joins, raster and vector analysis, and the use of overlay tools. Prerequisites: Completion of GIST 2310. (3 lect., 3 lab)

GIST 4950 - Research in: (1 - 6 credits)

This course provides an opportunity for students to design and conduct a field- or lab-based research project in anthropology, environmental science, human or physical geography, and/or applied geospatial science. The student will conduct a literature review, discuss scientific research and project design, perform relevant data collection and analysis, and present their work. Specific research topics will vary. (1 - 6 lect.) (Max 9)

G&R - Geography & Recreation

G&R 2032 - Winter Expedition: (1 - 5 credits)

This course is designed to enable you to enjoy winter in the mountains safely and comfortably. Snow travel may be either by skiing or snowboarding. Winter mountain skills taught include cold injuries, dressing for winter, avalanche awareness, and snow shelters. Skills will be practiced both in the backcountry and a base camp or other accommodations. Traveling with a pack will be required. This course may be repeated with a different skill set or in a different location. (1-5 lect.) (Max 4-6)

G&R 2033 - Rock Climbing: (1 - 5 credits)

This is a base camp course that includes some backcountry travel, emphasizing leadership and teamwork. Outdoor skills learned in this course include map reading, navigation, hiking and low-impact camping. Climbing skills include belaying, knots, rope handling, signals, top-roping and rappelling, climbing ethics, protection placement, anchor building and climb leading. While this course will focus on outdoor skills, expedition behavior will be part of the course curriculum. Students will learn to live and work closely with their course mates. Tolerance for adversity and uncertainty, respect for others and the environment, and a willingness to work hard will be critical to success. Students should expect ongoing verbal coaching and feedback throughout the course, as well as verbal performance summaries at the end of each section. There will also be opportunities for interpreting and understanding the natural environment. This is a demanding and fast-paced course. This course may be repeated once with a different skill set or in a different location. (1-5 lect.) (Max 6)

G&R 2034 - Water Expedition: (1 - 5 credits)

This is a small group travel-based course, emphasizing leadership and teamwork. Various offerings of this course include water sections emphasizing different skills, such as kayaking, canoeing, sailing or rafting. While this course will focus on outdoor skills, expedition behavior will be part of the course curriculum. Students will learn to live and work closely with their classmates. Tolerance for adversity and uncertainty, respect for others and the environment, and a willingness to work hard will be critical to success. Students should expect ongoing verbal coaching and feedback throughout the course, as well as verbal performance summaries at the end of each section. There will also be opportunities for interpreting and understanding the natural environment. This is a demanding and fast-paced course. This course may be repeated once with a different skill set or in a different location. (1-5 lect.) (Max 6-10)

G&R 2050 - Environmental Ethics & Management: (1 - 5 credits)

This course if offered in conjunction with the National Outdoor Leadership School (NOLS). This course involves immersion in the geography and culture of the area in which the course is held. Class work in physical and cultural geography will provide students with information that is easily integrated with the environmental ethics of land management and low impact camping. This course is part of the NOLS semester and must be taken concurrently with EDUC 2050 and BIOL 2045. On certain semesters it is also taken concurrently with HLED 2010. NOLS semesters are taught experientially, so climate, season, terrain, participants, specific course selection, and other factors generally support some outcomes more than others. (1-5 lect.)

HIST - History

HIST 1110 - Western Civilization I (3 credits)

Western Civilization I examines major world civilizations and their development from their beginnings to approximately 1500 A.D., with emphasis on Europe. It surveys significant political, social, economic, religious, and intellectual institutions of the Western world, from their origins in the ancient Near East through medieval society. The course is intended to provide an appreciation of the past as well as a frame of reference for contemporary life. (3 lect.) ***HUM***

HIST 1120 - Western Civilization II (3 credits)

Western Civilization II examines the development of major civilizations since 1500 A.D. with emphasis on Europe. It is a study of the institutional history designed to provide an understanding of current events within their historical setting. (3 lect.) ***HUM***

HIST 1210 - U.S. History I (3 credits)

HIST 1210 is study of the discovery and colonization of the U.S., the American Revolution, establishment of the Constitution, foreign affairs, westward expansion, sectionalism, the Civil War and reconstruction. It includes instruction in the history of Wyoming. (3 lect.)

HIST 1220 - U.S. History II (3 credits)

HIST 1220 is a study of the emergence of the United States as a world power; including industrialization and urbanization, American imperialism, progressivism, world wars, New Deal and current problems. It includes instruction in the history of Wyoming. (3 lect.)

HIST 1250 - History of Wyoming (3 credits)

HIST 1250 emphasizes the developments Wyoming has experienced before and after statehood in the context of the growth of the United States. It includes instruction in U.S. history. (3 lect.)

HIST 1270 - Indians of the Wind River (3 credits)

This course is a survey of the history of the Wind River Indian Reservation, home to the Eastern Shoshone and Northern Arapaho Tribal Nations. In addition to the historic development of the Wind River Reservation, this course will provide overviews of the traditional (pre-contact) cultures of both tribal groups and follow the significant historical and contemporary events that have led to the cultural changes here in the 21st century. A focus of this course will be towards a clearer understanding of the historical evolution of the relationships between the Eastern Shoshone, the Northern Arapaho, and the Euro-American cultures and how these diverse cultures have managed their social, political, and economic interactions over time. (3 lect.)

HIST 1290 - History of the U.S West (3 credits)

This course is an introductory survey of the American West. The course will cover developments in both the 19th and 20th centuries of the history of the American West. (3 lect.)

HIST 1300 - Crazy Horse, Custer, & Two Worlds (3 credits)

This course compares Euro-American and Plains Indian cultures by focusing on the surprising similarities and the differences in the lives of two renowned figures: the great Lakota Sioux leader, Crazy Horse, and Union Civil War hero, Bvt. General George A. Custer. This course examines the history and mythology of cultural conflict on the western plains during the late nineteenth century. This course examines the origins of that violent discord, historic attempts to find compromise, the experiences of participants and victims, and the impacts and ramifications of those years of bloodshed and turmoil. (3 lect.)

HIST 1305 - Cowboys & Indians (3 credits)

This course explores the origins of race and race relations through time and around the globe, with an emphasis on colonialism, and examines how these conceptions have been represented in popular culture. In other words, how do diverse peoples "get along" and how do they represent or interpret their relationships to explain or justify their actions? Particular attention is given to the catalytic roles played by hundreds of Northern Arapaho and Eastern Shoshone actors in the development of Hollywood's western film industry, many of which will be viewed in class. (3 lect.) ***HUM***

HIST 1355 - Introduction to Museum Studies (3 credits)

This course examines the history of museums, archives, and collections, and the nature and variety of museum works in contemporary society. It looks at the development of American museums and their relationship to other exhibitionary forms including wild west shows and world's fairs. The course introduces students to theoretical arguments about the nature and function of cultural representations and provides an introduction to museum organization; museological theory and philosophy; concepts of museum exhibition and interpretation. It discusses how collections and objects can be used as sources of meaning and information, and how museums and numerous other institutions can be used as educational resources. Course will include case studies and applied field experiences with CWC and regional museum and repository staffs and institutions. (3 lect.)

HIST 2010 - Mormon Migration (3 credits)

This class is a historical overview of the Mormon Migration, beginning with an investigation of the origin of the church of Jesus Christ of Latter Day Saints. This course's focus is on the exodus of believers from New York State and their movement through various frontiers to a final settlement in their Zion in Utah. (3 lect.)

HIST 2015 - South Pass & Wind River Basin History (3 credits)

This course is a historical overview of South Pass, the Sweetwater and Wind River Country. This course examines: the prehistoric and historic roles of the Great South Pass through the Rocky Mountains; its place in the development of the American nation during the great Migration; unique local race and women's rights issues; and the experiences, lives and historic roles of peoples who lived in the neighboring valleys of the Sweetwater and Wind River in shaping their own homes and the nation. (3 lect.)

HIST 2060 - Topics in History: (1 - 3 credits)

This course focuses on special topics that fall outside the traditional chronological and geographical offerings in history. Specific content varies from semester to semester in accordance with faculty interest and student demand. This course may be repeated for a maximum of 6 credits applicable toward graduation. (1-3 lect.)

HIST 2215 - Oregon Trail Field Experience (3 credits)

This outdoor, experiential learning course is a living history reenactment of mid-1800s covered wagon train life on the western trails. This quintessential American experience consists of multiple days traveling and tent camping along the actual historic Oregon, California and Mormon Trails near South Pass. Students travel with saddle horses and covered wagons and/or handcarts to numerous nationally significant historic and archaeological sites, prepare maps and written records of their experiences, help with camp chores, attend lectures and participate in discussions of history, geography, political science and other disciplines. Learning how to travel as safely as possible with livestock and nineteenth century technology is a major emphasis of the course. This is a physically demanding field course, unless special arrangements are made all applicants should be in good physical health, able to walk long distances over rough terrain, carry heavy objects and sleep on the ground. All participants must have health insurance. Prerequisites: Completion of at least two of the following: HIST 1290, HIST 1210, HIST 1220, HIST 1250, HIST 1270, instructor-guided independent readings and instructor's permission. (3 lect.)

HIST 2225 - History of Christianity (3 credits)

This course is a survey of Christianity from Jesus and Paul to today. Political, social, and theological issues are stressed. Christian history is studied through readings, lecture, video, and some internet resources. Special emphasis is given to events in Western Europe and the United States. Students receiving credit for HIST 2225 may not receive credit for RELI 2225. (3 lect.) ***HUM***

HIST 2250 - American Religious History to 1865 (3 credits)

This course will trace the history of religion in the United States through the Civil War. Particular attention will be paid to the intertwining of religion and colonialism; the tension between emerging Protestant hegemony and religious pluralism; the roles religion has played in justifying oppression and pursuing liberty in American history; and the development of religious communities such as Mennonites and Mormons in the American West. (3 lect.)

HIST 2290 - History of Northern American Indians (3 credits)

The course examines major developments in Indian history since European contact. Concentration will be upon geographical groups, their migrations and relationships to the United States government. Students earning credit in HIST 2290 may not earn credit in NAIS 2290. (3 lect.)

HIST 2315 - Equality State Gender & Ethnicity (3 credits)

This course explores the racial, religious and cultural divides that have sometimes created chasms between diverse groups of Wyoming's inhabitants from prehistoric times to the present, and attempts to bridge those gaps. It dissects race relations between Caucasian, Native-, Asian-, Latin-, and African American groups including Wyoming's extraordinary lynching heritage. It assesses gender-based divides in this place known as "the birthplace of women's suffrage," as well as the crucial feminine role in opening South Pass and catalyzing the Great Migration of wagon trains across the continent. (3 lect.) ***HUM***

HIST 2320 - History of Islam (3 credits)

This course will focus on the origins of Islam and its early formation, its growth and spread across the world, and its intellectual, spiritual and historical character. Time will also be spent on the formation of Islam in the modern world and how that impacts the views and actions of its members. Students earning credit in HIST 2320 may not earn credit in RELI 2320. (3 lect.) ***HUM***

HIT - Health Information Technology

HIT 1550 - Medical Office Administrative Procedures (3 credits)

This course provides instruction in the administrative duties and responsibilities of front office staff in healthcare agencies. Topics include verbal and written communication, scheduling appointments, arranging clinical procedures, billing and collection, and managing supply inventory. Concepts in medical law and ethics are emphasized as well as professionalism in the workplace. Simulated computer data entry for patient records, procedure and diagnostic coding, and electronic transmission of insurance claims are integrated into learning activities. (3 lect.)

HLED - Health Education

HLED 1221 - Standard First Aid and CPR (1 credits)

This course provides a basic study of accident prevention and procedures and techniques for first aid care of accident or sudden illness victims. Students who pass with a C or higher will receive American Red Cross certification. (1 lect.)

HLED 1235 - Emergency Medical Training (4 credits)

Designed for the Emergency Medical Technician. Includes anatomy and physiology of the human body, techniques of emergency treatment for various injuries and emergency situations, and other topics relative to emergency medical and first aid practices. Minimum of 60 hours classroom instruction and 24 hours of hospital training. Prerequisite: Standard First Aid or equivalent training. (4 lect.)

HLED 1240 - First Aid and CPR (0.5 - 3 credits)

This course meets American Red Cross or American Heart Association Standards for certification and prerequisites for further study in emergency care. Students who satisfactorily complete the course will receive either the American Red Cross or American Heart Association certification in First Aid, CPR, and/or AED. Students may not receive credit in both HLED 1221 and HLED 1240. (.5-3 lect.)

HLED 1281 - Health and Wellness (1 credits)

Wellness constitutes one of the major components of a healthy lifestyle and general health promotion. The knowledge and experience gained in this course will enable students to make informed decisions about their own health as it relates to their quality of life and longevity. (1 lect.)

HLED 1282 - Exercise, Health & Wellness (2 credits)

Wellness constitutes one of the major components of a healthy lifestyle and general health promotion. The knowledge and experience gained will enable the student to make informed decisions about their own health as it relates to quality of life and longevity. This course includes an individualized exercise program coordinated with the instructor whereby the student will participate in an activity for a minimum of two hours per week that must be fully documented in a participation log. Students with disabilities or restrictions for physical activity must provide documentation signed by a qualified healthcare provider describing the limitations and accommodations needed. The instructor will coordinate an alternative educational activity based in individual needs and recommendations. (1 lect., 2 lab)

HLED 1599 - Wellness for the Community (0.5 credits)

Community members who want to use the CWC gym and fitness center for fitness/ wellness activities on their own time when these facilities are open and no classes are in session should register for this course. They must have a current application to CWC on file to register. Students will be required to attend a MANDATORY fitness safety briefing. Grading will be Audit only, and the course CANNOT be used toward meeting academic requirements in any CWC academic program.

HLED 2006 - Health for Elementary Educators (1 credits)

In this course, students will examine national and state health standards in elementary schools. Sample health curricula, learning models and approaches will be compared. Students will present health lesson plans and demonstrate how they can integrate into language arts curricula. Current health related issues facing the elementary age student, families, and the elementary classroom teacher will be evaluated. (1 lect.)

HLED 2010 - Wilderness First Responder (4 credits)

This course is designed to provide outdoor leaders, instructors, guides, rangers, and wilderness and foreign travelers with the knowledge needed to deal with emergencies in remote settings. The curriculum covers standards of care for urban situations with additional protocols for remote situations. Special topics include but are not limited to: CPR considerations (when not to start and when to stop), wilderness wound and burn management, clearing patients of spine and head trauma, athletic injuries, realigning fractures and dislocations, improvising splinting techniques, patient monitoring and long-term management problems, up-to-date information on all environmental emergencies, common simple medical problems, plus advice on drug therapies. Emphasis is placed on prevention and decision-making. Certifications upon successful completion include: Adult & Child CPR certification and a Wilderness First Responder certification. Current EMTs will earn a Wilderness EMT certification. All certifications are current for two years. All levels of prior training are welcome. (3 lect., 2 lab)

HLED 2015 - Wilderness EMT (9 credits)

This comprehensive course integrates the urban Emergency Medical Technician (EMT)-Basic curriculum with a wilderness medicine curriculum delivered through classroom education, practical skills, scenarios and full-scale outdoor mock rescues. Successful completion of the course and both written and practical examinations will certify the student as a National Registry of Emergency Medical Technicians (NREMT) Basic EMT. Students also receive a Wilderness EMT certification from the course provider. Both certifications are current for two years. Students must have a current healthcare provider level CPR certification (most commonly called CPR for the Professional Rescuer or BLS Healthcare Provider CPR) and a TB test completed within 1 year prior to the last day of the course. For clinical rotations, students may also be required to pass a criminal background check, a 9-panel drug screen or other location specific requirements. (6 lect., 6 lab)

HLTK - Health Technology

HLTK 1200 - Medical Terminology (3 credits)

This computer-based course presents a basic study and practical application of the language of medicine and introduces the student to proper spelling, definition, and pronunciation of medical terms and abbreviations used by healthcare professionals. An overview of the structure and function of the body systems is presented so the student can relate terms to pathology diseases, and diagnostic and treatments procedures of selected systems. The course provides an organized approach to medical word construction based on the concept of combining word roots, prefixes, and suffixes. (3 lect.)

HLTK 1625 - AHA BLS for the Provider (0.5 credits)

In this course, the student will recognize life-threatening emergencies, perform high-quality CPR, deliver appropriate ventilations, and provide early use of an automated external defibrillator (AED) device. A blended delivery format includes a required online component followed by a hands-on skills session led by an instructor in the campus lab. Following completion, the student will receive American Heart Association BLS Provider Certification, valid for two years. (.5 lect.)

HLTK 1665 - Electrocardiography Techniques (1 credit)

This course introduces electrocardiography principles and procedures. Topics include the structure and function of the heart with emphasis on the conduction system, electrode and lead placement, and rhythm interpretation. Also covered is troubleshooting EKG recording abnormalities and interventions in response to cardiac dysrhythmias. (1 lect.)

HLTK 2900 - Healthcare Professional Simulation: (0.5 credits)

This course provides hands-on opportunities for the students to manage complex patient situations in a simulated learning environment. Clinical decision-making and skill development are encouraged through the use of medium and high fidelity simulation technology. Student may repeat HLTK 2900 with different topics up to 3 credits toward degree completion. S/U grading only. Prerequisite: Instructor Permission Required. (.5 lect.)

HMDV - Human Development

HMDV 2411 - Graduate Assessment Requirement (0 credits)

All students graduating with any Associate degree from Central Wyoming College (CWC) must complete required graduate assessment. The data obtained from this requirement is an essential component of the college's assessment plan and is focused on achievement of program and institutional student learning outcomes. Results for an exam associated with the graduate assessment requirement will not affect or determine the final grade for any coursework at CWC.

HMSV - Human Services

HMSV 1020 - Service Learning (1 credits)

Students participate in community service projects that meet the needs of the community and are integrated into and enhance the academic curriculum of the students. As well as hands on participation, structured time is provided for reflection on the community service. This course may be repeated for a maximum of two credits applicable toward graduation. (2 lab)

HMSV 1110 - Ethics for Helping Professions (3 credits)

This course provides an introduction to the study of applied professional ethics. Issues concerning due process, least restrictive environment, right to treatment, dual relationships, client advocacy, value clarification and professional responsibility are discussed. Case studies will be analyzed with professional standards applied. (3 lect.)

HMSV 1460 - Field Experience in Human Services I (4 credits)

This 99-hour supervised field experience is designed to give students the opportunity to integrate previous academic learning with hands-on practical experience in a human service setting. A weekly one-hour seminar, in addition to the agency hours worked, is required. (4 lect.)

HMSV 2000 - Human Services Administration (3 credits)

This course provides students with an understanding of human services agencies including organizational types, inter-organization relationships, and administrative structures and functions. Agency role and function is understood in the context of the services provided, clients served, and program goals. Special attention is given to the function of supervision and the role of middle management personnel in the design and delivery of services to clients. (3 lect.)

HMSV 2130 - Understanding the Addiction Process (3 credits)

In this course the student will examine the concepts of chemical use, abuse and addiction from several perspectives. The student will learn assessment techniques and types of treatment plans. Counseling techniques for working with the chemically dependent will be discussed. (3 lect.)

HMSV 2460 - Field Experience in Human Services II (4 credits)

This second level 99-hour supervised field experience is designed to give students the opportunity to integrate previous academic learning with "hands-on" practical experience in a human service setting. When possible, agency placement will be related to each student's program concentration. A weekly one hour seminar, in addition to the agency hours worked, is required. Prerequisites: Completion of HMSV 1460. (1 seminar, 9 practicum)

HMSV 2461 - Field Experience in Human Services III (4 credits)

This third level 99-hour supervised field experience is designed to give students the opportunity to integrate previous academic learning with "hands on" practical experience in the human service setting. When possible, agency placement will be related to each student's program concentration. A weekly one-hour seminar, in addition to the agency hours worked, is required. Prerequisites: Completion of HMSV 2460. (1 lect., 3 lab)

HORT- Horticulture Science

HORT 2025 - Horticultural Science (4 credits)

This course examines the propagation, growth, development, and utilization of horticultural plants. The student will study plant classification, anatomy, interactions with the environment, and genetic improvement through lecture presentations and laboratory experiences. (2 lect., 4 lab) ***LSCI***

HRM - Hotel Restaurant Mgmt

HRM 1500 - Intro to the Hospitality Industry (3 credits)

This course lays the groundwork for a basic understanding of the lodging and food service industry by tracing the industry's growth and development both nationally and internationally. A review of the organization of hotel and food and beverage operations, as well as focusing on industry opportunities and future trends are included. (3 lect.)

HRM 1501 - Lodging Management / Front Office Procedures (3 credits)

This course presents a systematic approach to lodging management and front office procedures by detailing the flow of business through a hotel, from the reservations process to check out and settlement. This course also examines the various elements of effective front office management, paying particular attention to the planning and evaluation of front office operations and to human resources management. Front office procedures and management are placed within the context of overall operation of a hotel. (3 lect.)

HRM 1505 - Sanitation (3 credits)

This course outlines the fundamentals of high quality sanitation practices for food service employees. The course focuses on practical guidance in safe food handling without neglecting scientific and sanitation principles. Emphasis is placed on the problem of food borne illnesses and how important sanitation is from an economic, legal, and moral point of view. (3 lect.)

HRM 1510 - Dining Rooms Management and Food Del (3 credits)

This course is designed to focus the student on the basic principles and applications of food delivery systems. Emphasis is placed on customer service in hotels, restaurants of lodging, independent restaurants, and institutional operations. (2 lect. 2 lab)

HRM 1515 - Planning and Control Food and Beverage Ops (3 credits)

Students enrolled in this course are taught the essential principles and procedures for effective food and beverage planning and cost control. Using the appropriate software to calculate food, beverage, and labor costs, students will develop an effective sales income control system. The basic principles of food production and service management, including menu planning, purchasing, and storage are addressed. (3 lect.)

HRM 2500 - Quantity Food Purchasing (3 credits)

This course concentrates on the development and implementation of an effective food purchasing program emphasizing the development of dependable supplier relations, negotiating techniques, and selecting and evaluating food purchasing. Students will develop purchase specifications to match menus and document each stage of the purchasing cycle. Online purchasing and procedures will be explored. (3 lect.)

HRM 2501 - Facilities Management (3 credits)

This course is designed to provide hospitality managers with information they need to know to manage the physical plant of a hotel or restaurant and work effectively with the engineering and maintenance departments. Special emphasis will be placed on environmental issues, modernization, building operating systems, and resource management. (3 lect.)

HRM 2506 - Sales & Marketing / Hospitality Industry (3 credits)

This course is designed to provide students with basic knowledge and practical experience that will enable them to develop and implement strategic marketing plans for hospitality properties. It stresses the marketing orientation and philosophy that guides the design and delivery of guest services, and includes advertising, promotions, and practical sales techniques for selling to targeted audiences. (3 lect.)

HRM 2510 - Menu Planning and Analysis (3 credits)

Effective menu planning is crucial to the success of a restaurant operation. This course focuses on the importance of menu planning. Principles of developing a professional menu including analyzing marketing conditions, pricing, and availability of kitchen equipment are emphasized. (3 lect.)

HRM 2515 - Human Resource Management/Hospitality (3 credits)

This course is designed to present a systematic approach to human resource management related to the hospitality industry. Students will analyze contemporary issues and practices, as well as employment laws, staffing, hiring, termination, training and development, etc. (3 lect.)

HRM 2520 - Wines for the Culinary Professional (1 credits)

This is an introductory course describing the wine producing regions of the world. The influence of a region's soil, weather, grapes, vine species, chemistry, and biology to produce wine is explored. Wine quality standards, processing, storage, and service as related to wine regions and categories are studied. Students are taught the principles of compiling wine lists, serving wine in the proper wine glass, and recommending wine with food combinations. (3 lect.)

HRM 2525 - Wine Production, Service and Appreciation (3 credits)

This is an introductory course describing the wine producing regions of the world, the principles of compiling wine lists, and serving wine in the proper wine glass. The influence of a region's soil, weather, grapes, vine species, chemistry, and biology to produce wine is explored. Wine quality standards, processing, storage, and service as related to wine regions and categories are studied. The universe of wine is constantly evolving culmination of people, places, cultures, technology, tradition, and economics. The purpose of this course is to provide the student with the basic knowledge necessary to encourage and promote a lifelong interest in wine that will benefit both personally and professionally. The goal of this course is to provide the basic aspects of wine theory and analysis, while at the same time fostering and enhancing each individual's enthusiasm and understanding of wine. (3 lect.)

HRM 2530 - Beverage Management (3 credits)

This course is designed to provide students with the practical knowledge needed to manage a bar or beverage operation. Also it lays the groundwork for basic understanding of beverage service by explaining the beverage service process and focusing on such beverages as beer, spirits, and wine. Primary focus on beverage products, beverage and labor cost control, purchasing, inventory management, bar setup, bar layout and design, production, service, and cash handling. (3 lect.)

HSEC - Homeland Security

HSEC 2001 - Overview of Homeland Security Law (3 credits)

This course is an overview of laws, policy, strategy, organization, and plans for dealing with various natural, accidental and premeditated threats to homeland security. Students review the respective and relative roles and responsibilities of government agencies, non-government organizations and individual citizens for U.S. national security. In addition, homeland security planning is addressed, including strategic planning, the National Response Plan, the National Incident Management system, various planning scenarios, and other federal and state guidelines. Students discuss various policy and strategy issues, including balancing security and civil liberties and information sharing and protection. (3 lect.)

HSEC 2005 - Politics and Terrorism (3 credits)

This course focuses on an historical overview of politics and terrorism. Fundamental questions of what is terrorism, who defines terrorism, who or what perpetrates terrorism, and what are the motives and intentions of terrorism and terrorists are addressed. Students develop an understanding of the vocabulary, concepts, and perceptions of domestic and international terrorism to help them effectively ask and answer these fundamental questions. Students will examine religious and political extremism from a historical and political perspective reviewing various key philosophies, as well as current ideologies and personalities. Students will also explore the realm of data and information available that attempts to understand the existence of such conflict. (3 lect.)

HSEC 2015 - RHST in: (0.5 - 3 credits)

This course offers training to law enforcement officers in Wyoming and other States. This course cannot be used as a general education requirement but can be used as a major requirement or program elective in the Criminal Justice and Homeland Security programs (A.A., A.S. AND A.A.S.). This course can be used as a general elective in other programs and appropriate. (.5-3 lect.)(Max 12)

HUMN - Humanities

HUMN 1070 - Class Stratification in the United State (3 credits)

This course surveys the diversity of social / economic class stratification in the United States. Historical development and contemporary issues will be addressed in the contexts of race, culture, gender, and political power. A primary focus will be on how social class impacts the individual's power. A primary focus will be on how social class impacts the individual's personal development of values, attitudes, and behaviors within and between class hierarchies. The important role of social class traditions and their complex interdependence as a primary institutional force within the dominant United States culture will be examined in a format that requires the student to place themselves within this structure and to focus their analyses on the identification of specific strategies that will strengthen and enhance their ability to successfully navigate through this system. (3 lect.)

HUMN 2025 - Humanities Through the Arts (3 credits)

This course surveys theatre, music, literature, painting, sculpture, and architecture. Each art form is examined from four perspectives: historical context, elements of the art, form/meaning, and criticism/evaluation. Arts from selected world cultures will be explored in order to give a global awareness to human creativity. (3 lect.) ***HUM***

HUMN 2380 - Popular Culture (3 credits)

This course is a study of film, music, print and broadcast media, and other forms of popular cultural expression. The course emphasizes popular arts of the last two centuries, especially in the United States. Students will discuss the distinctions between popular and elite arts and explore rationales and critical bases for the study of popular culture. Prerequisites: ENGL 1010. (3 lect.)

HUMN 2430 - World Religions (3 credits)

This course is an investigation of universal spiritual questions and the ways world religions suggest answers. Themes include the purpose of creation and human life, ritual encounters with the sacred, death and the afterlife. Current questions and movements will be considered. Students will have the opportunity to discuss a variety of spiritual practices in an objective context. (3 lect.) ***HUM***

IMGT - Information Management

IMGT 2400 - Intro to Information Management (3 credits)

This course focuses on the role of information systems in managing organizations to make them more competitive and efficient. Specific topics include organizational and technical foundations of information systems and building and managing systems. (3 lect.)

INET - Internet Web Development

INET 1650 - Web Programming I (3 credits)

This course covers the basics of client-side web programming. The student will build and style web pages with HTML and Cascading Style Sheet (CSS). The student will review fundamental programming constructs (variables, statements, sequences, decision control structures, loops, and objects) within the context of JavaScript. The student will write code to manipulate web pages and respond to user input. Prerequisites: Completion of or concurrent enrollment in COSC 1010. (3 lect.)

INET 2010 - Data Driven Sites (3 credits)

This course provides a general introduction to the basic framework of a database-driven web site using a server-side programming language. The student will integrate HTML, Cascading Style Sheets (CSS), JavaScript, and a database storage container to build a dynamic web site that takes user input. The course also covers the Model-View-Controller (MVC) framework and requires the student to build an application that utilizes an MicroMVC framework. Prerequisite: Completion of INET 1650, and completion of or concurrent enrollment in COSC 2050. (3 lect.)

INST - International Studies

INST 2000 - Intro to International Business (3 credits)

In order to remain competitive in today's market, all businesses must recognize and understand the international forces in the business environment. Firms must recognize and analyze these international forces to remain competitive. This course will be a broad survey of international business - with emphases placed on basic concepts of international trade activity, global economic and financial environment, international environmental forces, and strategic management for the global environment. Students will also develop cultural awareness and appreciation. (3 lect.)

ITEC - Informational Technology

ITEC 2210 - Integrating Technology: (1 - 3 credits)

The purpose of this course is to provide the knowledge and skills necessary to utilize up-to-date media tools in the classroom and other educational venues. Each student will be required to design and create a curriculum project that utilizes software and electronic tools. Specific instructional tools taught in this class are considered current or cutting edge technology and are expected to change as technology advances. Course may be repeated for a maximum of 9 credits applicable toward graduation. Prerequisite: Students should have the appropriate computer skills for the desired class. (1-3 lect.)

ITEC 2360 - Teaching and Learning with Educational Technology (3 credits)

The student will discover how technology adds value to PK12 curriculum, exploring and evaluating technological and educational resources. Content includes learning to model educational technology, nurturing creativity, making decisions about appropriate applications, and collaborating with others to create culturally competent communities while developing information literacy, ethical responsibility, problem-solving, digital communication, and computational thinking. Prerequisites: Completion of EDFD 2020 or EDEC 1020 (3 lect.)

LEAD - Leadership

LEAD 3050 - Leadership Pathways (3 credits)

This course examines personal traits, characteristics, and practices central to the development of an effective leader. The student will explore aspects of self-awareness: emotional intelligence theory, self-care practices, personality assessment, mindset theory, accountability, and feedback. Prerequisite: Completion of LEAD 3110. (3 lect.)

LEAD 3060 - Leading From The Middle (3 credits)

This advanced level course addresses the post-pandemic role of mid-level leadership. The student will develop extended theoretical knowledge in the differences between leading and managing while looking at what is involved with being a leader from a mid-level position. The student will examine leadership styles best suited to mid-level positions, critique strategic thinking in making decisions, analyze the roles of accountability and growth mindset in mid-level leadership, and examine personal traits that can strengthen and weaken leadership. Prerequisites: Completion of LEAD 3050, LEAD 3110, and LEAD 4005. (3 lect.)

LEAD 3070 - Self-Aware Leadership (3 credits)

This advanced course gives a unique perspective on time management geared toward juggling many obligations as it is created from input provided by experts at Central Wyoming College who assist directors, deans, vice presidents, and the president. Lists, calendars, prioritization, brain dumps, timed allotments, task efficiency, self-care, and being able to draw solid boundaries are necessary skills for keeping on track. Time management is crucial in management and leadership, and being able to do so can mean successful completion of desired goals or derail plans for advancement in all walks of life. This course is designed to give the student tools to manage time, discover where they are giving away valuable time, and enable efficiency to not only achieve but to have personal time to put towards practices that provide rejuvenation and well-being. Prerequisite: Completion of LEAD 3050. (3 lect.)

LEAD 3100 - Next Level Leadership (3 credits)

In this course, the student will expand their understanding and awareness of the different lenses through which they view the world. The student will explore the impact their views have on the world and how those paradigms lead to their behaviors, interactions, decision-making, and leadership foundation. (3 lect.)

LEAD 3110 - Foundations of Leadership (3 credits)

This foundational course in Leadership Studies provides a broad overview of the constructs and processes required for effective leadership. The student will examine leadership models, theories, and frameworks. The student will critique the evolution of leadership and the role of power and influence. (3 lect.)

LEAD 4005 - Leading Others (3 credits)

This course examines leadership in organizations. The student will evaluate team leadership models, change constructs, and feedback theories. The student will design a process for navigating conflict, will create an organizational vision statement, and will construct a process for diversity in organizations. Prerequisite: Completion of LEAD 3110 and LEAD 3050. (3 lect.)

LEAD 4050 - Primal Leadership (3 credits)

This advanced course looks at the brain and how it impacts perceptions and conclusions that influence our ability to embrace diversity and lead without prejudice. The student will critique brain function in relation to perception, prejudice, discrimination, and stereotyping. The student will evaluate the components of emotional intelligence, the impact of emotional hijacking on emotional intelligence, the role of emotional intelligence in teams, leadership styles that promote emotional intelligence, and styles that do not. The student will create a process for developing emotional intelligence in teams and a process for addressing prejudice, discrimination, and stereotyping perceptions in teams. Prerequisites: Completion of LEAD 3110, LEAD 3050, and LEAD 4005. (3 lect.)

LEAD 4060 - Relational Leadership (3 credits)

In this advanced course the student will create processes that address components of relational leadership including empowerment, purpose, ethical behaviors, and process orientation. The student will evaluate communication practices for effectively leading teams by formulating teamwork empowerment and workplace multi-cultural practices. The student will create processes for communication in navigating conflict to achieve collaboration and empowerment through delegation and feedback. Prerequisites: Completion of LEAD 3050, LEAD 3110, and LEAD 4005. (3 lect.)

LEAD 4395 - Leadership Capstone (3 credits)

This capstone course offers the student an opportunity to showcase their knowledge and critical thinking skills in the field of leadership. The student will develop a theoretical project that is centered around a complex and real-life problem related to organizational leadership and present their final project to their peers. Prerequisite: Completion of LEAD 3050, LEAD 3110, and LEAD 4005. (3 lect.)

LEAD 4410 - Innovative Change Leadership (3 credits)

This course explores how leaders and organizations not only survive but thrive and innovate during uncertain and volatile times. The student will explore leadership adaptability, innovation, and comfort with ambiguity during times of rapid and disruptive change. This course is intended for the student with a background in leadership or completion of LEAD 3110, LEAD 3050, and LEAD 4005. (3 lect.)

MATH - Mathematics

MATH 0900 - Pre-Algebra Arithmetic (4 credits)

This is an arithmetic course designed for the student with little or no mathematical background. Topics covered include whole numbers, fractions, decimals, ratio and proportion, percent, signed numbers, solving basic equations, and introductory algebraic concepts. Applications are applied throughout. Prerequisite: Test into MATH 0900 or higher. (4 lect.)

MATH 0920 - Elementary Algebra (4 credits)

This course is for students who have not taken a full year of algebra in high school or who need to review basic algebra. Topics covered include operations involving integers and rational numbers, functions and relations, polynomials and word applications, and solving linear equations and linear inequalities algebraically, graphically, and numerically. Prerequisite: Completion of MATH 0900 or test into MATH 0920 or higher. (4 lect.)

MATH 0923 - Beginning Algebra Workshop (1 credit)

This workshop is a co-requisite class with MATH 0920 and is not a stand-alone course. The purpose of this workshop is to provide intermediate arithmetic and beginning algebra skills necessary to be successful in MATH 0920, Elementary Algebra. Topics covered include rational numbers, equations and inequalities, ratios, rates and proportions, and relations and functions. Prerequisite: Test into MATH 0923 and concurrent enrollment in MATH 0920. (1 lect.)

MATH 0930 - Intermediate Algebra (3 credits)

This course prepares students for MATH 1400 or MATH 1450. Topics covered include operations involving polynomials and rational expressions, special products and factoring, solving equations and inequalities, exponents, radicals, systems of linear equations, graphing, and word problems. Prerequisite: Completion of MATH 0920 or test into MATH 0930 or higher. (3 lect.)

MATH 1000 - Problem Solving (3 credits)

This is a course for the student not planning to enroll in Math 1400. The course focuses on methods, processes, and strategies used to analyze, understand and solve mathematical problems. It examines modern topics chosen for their applicability and accessibility. Problems included involve puzzles, patterns, probability, geometry, and statistics. Prerequisite: Completion of MATH 0920, test into MATH 1000 or higher, or concurrent enrollment in MATH 1001. (3 lect.) ***MATH***

MATH 1001 - Math Workshop I (2 credits)

This workshop must be taken in conjunction with MATH 1000 and is not a standalone course. Its purpose is to provide the necessary algebra skills required to be successful in MATH 1000, Problem Solving. Topics covered include operations involving integers and rational numbers, polynomials and work applications, and solving linear equations and inequalities algebraically, graphically, and numerically. Prerequisites: Completion of MATH 0900 or test into MATH 0920 or higher. (2 lect.)

MATH 1009 - Elementary Algebra Workshop (1 credit)

This workshop is a co-requisite class with MATH 1100 and is not a stand-alone course. The purpose of this workshop is to provide the basic arithmetic, algebra, and statistics skills necessary to be successful in MATH 1100, Numbers and Operations for Elementary School Teachers. Topics covered include rational numbers, linear equations and inequalities, quadratic equations, functions, and data analysis. Prerequisite: Completion of MATH 0920 or test into MATH 1009 and concurrent enrollment in MATH 1100. (1 lect.)

MATH 1100 - Number and Operations for Elementary School Teachers (3 credits)

This course is for prospective elementary school teachers. Its purpose is to prepare the student to be competent in teaching major concepts and skills related to the real number system with the four arithmetic operations. It includes asking and answering critical questions about subsets of the real number system, including natural, integer, and rational numbers. Prerequisite: Test into MATH 1100 or higher, or concurrent enrollment in MATH 1009. (3 lect.) ***MATH***

MATH 1105 - Data, Probability and Algebra for Elementary School Teachers (3 credits)

This course is designed for elementary students. The emphasis is on asking and answering critical questions about our world through algebra, probability, and data analysis to prepare student to be competent in teaching these major concepts. Explorations will focus on representing, analyzing, and generalizing, formalizing, and communicating patters and the chances of future events. Prerequisite: Completion of MATH 0930, test into MATH 1400 or higher, or concurrent enrollment in MATH 1331. (3 lect.)

MATH 1331 - Intermediate Algebra Workshop (1 credit)

This workshop is a co-requisite class with MATH-1400 and is not a stand-alone course. Its purpose is to provide the intermediate algebra skills necessary to be successful in MATH-1400, College Algebra. Topics covered include operations involving polynomials and rational expressions, special products and factoring, solving equations and inequalities, exponents, radicals, systems of linear equations, graphing, and word problems. Prerequisite: Completion of MATH 0920 or test into MATH 1331 and concurrent enrollment in MATH-1400. (1 lect.)

MATH 1400 - College Algebra (4 credits)

This course emphasizes aspects of algebra that are important in the study of calculus. Functions and their inverses are evaluated and analyzed graphically, numerically, and algebraically. Factoring and applying exponential and logarithmic properties to simplify and condense expressions and to solve equations are routinely applied. Graphing calculators are used frequently both in class and with homework assignments. Prerequisite: Completion of MATH 0930, test into MATH 1400 or higher or concurrent enrollment into MATH 1331. (4 lect.) ***MATH***

MATH 1405 - Trigonometry (3 credits)

This course explores the relationships between angles and side lengths of triangles, including trigonometric functions like sine, cosine, and tangent. A foundation in trigonometry helps prepare the student intending to enroll in Calculus I (MATH 2200). The student earning credit in MATH 1405 may not earn credit in MATH 1450 toward graduation. Prerequisite: Completion of MATH 1400 or test into MATH 1405 or higher. (3 lect.)

MATH 1450 - Algebra and Trigonometry (5 credits)

This course combines the content in MATH 1400 and MATH 1405. It emphasizes aspects of algebra and trigonometry which are important in the study of calculus as well as functions and their applications to real world problems. Topics include polynomial, exponential, logarithmic and trigonometric functions and their inverses. Functions are evaluated and analyzed graphically, numerically, and algebraically. Graphing calculators are required both in class and with homework assignments. Students earning credit in MATH 1450 may not earn credit in MATH 1400 or 1405. Prerequisite: Completion of MATH 930 or test into MATH 1400 or higher. (5 lect.) ***MATH***

MATH 1500 - Applied Math (3 credits)

This course is designed to develop the student's ability to solve mathematical problems related to technology careers such as automotive, construction trades, plumbing, machining, electrical systems, etc. Major topics include the use of whole numbers, fractions, decimal calculation, positive and negative numbers, exponents, metric system, algebra, equations, formulas, geometry, and trigonometry. A calculator or other electronic devices related to the appropriate technology career will be used to solve mathematical problems. Prerequisite: Completion of MATH 0500 or test into MATH 0600 or higher. (3 lect.) ***APPM***

MATH 2200 - Calculus I (5 credits)

Calculus, one of the classical topics in mathematics, is the study of change. It is useful both in scientific fields and in applied studies from engineering to the life sciences. The primary goals of this course are to master the fundamental concepts and techniques of differential calculus in one variable, and to develop problem solving and critical thinking skills. Prerequisite: Completion of MATH 1405, MATH 1450, or test into MATH 2200 or higher. (5 lect.) ***MATH***

MATH 2205 - Calculus II (5 credits)

Calculus, one of the classical topics in mathematics, is the study of change. It is useful both in scientific fields and in applied studies from engineering to the life sciences. The primary goals of this course are to master the fundamental concepts and techniques of integral calculus in one variable, and to develop problem solving and critical thinking skills. Prerequisite: Completion of MATH 2200. (5 lect.)

MATH 2210 - Calculus III (5 credits)

Calculus, one of the classical topics in mathematics, is the study of change. It is useful both in scientific fields and in applied studies from engineering to the life sciences. The primary goals of this course are to master the fundamental concepts and techniques of differential and integral calculus in more than one variable, and to develop problem solving and critical thinking skills. Prerequisite: Completion of MATH 2205. (5 lect.)

MATH 2250 - Elementary Linear Algebra (3 credits)

This course emphasizes linear equations and matrices, vector spaces, linear transformations, determinants, orthogonality, eigenvalues, and eigenvectors. Prerequisite: Completion of MATH 2200 or MATH 2350. (3 lect.)

MATH 2300 - Discrete Structures (3 credits)

This course introduces mathematical concepts that are fundamental for computer science and advanced mathematics. The student will focus on logic, set theory, relations and functions, graph theory, combinatorics, probability and proof methods. Students earning credit in COSC 2300 cannot also earn credit in MATH 2300. Prerequisite: Completion of COSC 1030, MATH 2200 or MATH 2350. (3 lect.)

MATH 2310 - Applied Differential Equations (3 credits)

This course provides an introduction to the analysis of ordinary differential equations. It includes the solution of ordinary differential equations and integral transforms. The construction of mathematical models arising in the physical sciences and other areas is emphasized. Prerequisite: Completion of MATH 2205. (3 lect)

MATH 2350 - Business Calculus (4 credits)

The first in a two course calculus sequence aimed toward accounting and business. The student will explore various calculus topics with a focus on how they apply to business and economics. Topics include functions and their graphs, limits and continuity, derivatives, and integrals. Students earning credit in MATH 2350 may not earn credit in MATH 2200 toward graduation. Prerequisite: Completion of MATH 1400, MATH 1450, or test into MATH 2350 or higher. (4 lect.) ***MATH***

MATH 2355 - Mathematical Applications for Business (4 credits)

This course will include business and economic applications of mathematics, linear equations, programming, finance, probability, statistics, and use of spreadsheet software. Prerequisite: Completion of MATH 1400 or test into MATH 2350, MATH 2355 or higher. (4 lect.)

MATH 2485 - Math Major Seminar (2 credits)

This course introduces mathematics majors to mathematical investigation, proof, and problem-solving techniques. Emphasis is placed on oral and written communication skills in mathematics. Offered S/U only. (2 lect.)

MDIA - New Media

MDIA 1000 - Intro to Mass Media (3 credits)

This course surveys the communication process through the lens of convergence, showing how different aspects of media are parts of a whole and examines how they influence each other and society. Topics include contemporary and traditional views of communication with an historical perspective. Students earning credit for MDIA 1000 may not earn credit for COMM 1000. (3 lect.) ***HUM***

MDIA 1005 - Podcasting (3 credits)

This course introduces the student to the pre-production, production, and post-production process required for audio and video podcasting. The student will implement communication and interviewing techniques for the development and delivery of content utilizing new media technology. (2 Lect., 1 Lab)

MDIA 2100 - Media Writing (3 credits)

This course is designed to provide the student with a solid introduction to the practice of journalistic writing for print, broadcast, and the web. Emphasis will be on planning, evaluating, analyzing, and organizing information using basic news gathering techniques. Students are introduced to various types of scripting formats used in print, broadcast, and the Internet. Students earning credit for MDIA 2100 may not earn credit in COMM 2100. Prerequisite: Completion of ENGL 1010. (3 lect.) ***WR2***

MDIA 2115 - Website Structure & Style (3 credits)

This course addresses entry-level website coding using modern syntax to create page structures and apply corresponding styles. Topics covered include site hierarchy, page wireframing, usability, structure markup, stylizing content, web hosting, and file transfer management. (3 lect.)

MDIA 2200 - Electronic Media Production (3 credits)

This course explores basic principles and proper use of electronic media tools. Students will need to take this course four times in order to take full advantage of all skills available. Each course will deal with both audio and visual tools. The course will focus on specific techniques used in the production process. (3 lect.) ***ARTS***

MDIA 2202 - Audio Production (3 credits)

In this course students will focus on the practical application of using various radio production elements; and the proper use and care of radio production equipment, such as an audio console, recording/playback equipment, and a digital editor. In addition, students apply different methods of planning, scripting, and editing radio audio commercial productions. Students should expect to spend a minimum of four hours per week participating in radio production activities for completion of on-air assignments. (3 lect.)

MDIA 2235 - Directing for New Media (4 credits)

This is a hands-on, introductory television production operations course. This course explores the functions of a television production system, and the major pieces of television production equipment and their operation. Emphasis will be placed on directing for multi-camera and single-camera studio productions. (2 lect., 4 lab)

MDIA 2260 - Interviewing (3 credits)

This course introduces students to interviewing concepts through the process of interpersonal communication. How to structure the interview and develop questions for both informational and persuasive interviews will be emphasized. Students study and apply interview techniques, including styles, accurate note-taking, the process of re-telling people's stories, and active listening. Students will analyze live and taped interviews and impart information through interviewing in both private and public situations. (3 lect.)

MDIA 2280 - Documentary (3 credits)

This course focuses advanced storytelling for new media. Skills developed in previous courses are amplified, enhanced, and refined through the development of ideas, storytelling and a greater sophistication in all areas of interactive storytelling. Prerequisite: Completion of MDIA 2300. (3 lect.)

MDIA 2300 - Journalism for New Media (3 credits)

This course focuses on video storytelling for New Media. It stresses script analysis and working effectively with the community, classmates, and actors. This course highlights effective lighting design and organizational skills and processes commonly used in pre-production, production and post-production. Skills developed in previous media production courses are amplified, enhanced, and refined through a combination of in-class exercises and outside projects. Prerequisites: Completion of ENGL 1010. (3 lect.)

MDIA 2455 - Video Field Production (3 credits)

This course is designed to develop advanced skills using a single camera for video field production. The course stresses advanced techniques in camera, lighting, sound, and nonlinear editing. This is a field-based course in which students will be required to create media content outside of a traditional television studio setting. (3 lect.)

MDIA 2970 - Radio Practicum (3 credits)

In this course students are introduced to broadcasting's day-to-day operations and applications, such as show prep, planning, preparing, delivery, scripting, and performance and operational standards. Students are expected to satisfy practicum requirements by assuming KCWC-FM station responsibilities. This course may be repeated for a maximum of 12 credits applicable toward graduation. (3 lect.)

MDIA 3050 - New Media Ethics (3 credits)

Communication and media are rapidly changing in an age where technology and the distribution of messages is pervasive. This course explores common ethical questions encountered in personal and professional settings related to new media communication, as well as the role of digital communication in society. The student will examine legal, ethical, and policy issues related to new media, focusing on those that impact digital and public communication, Topics include cultural, social, political, and economical issues in new media communications and the effect on personal growth, self-concept, world view, creative thinking, personal relationships and social processes. The course focuses on the importance of ethics in new media communication through the practical application of communication-bases principles. (3 lect.)

MEDA - Medical Assistant

MEDA 1520 - Clinical Role of the Medical Assistant I (3 credits)

This course introduces the student to the theoretical concepts and practical applications associated with the clinical role of a medical assistant. Classroom and laboratory activities provide the student with the necessary knowledge and skills to assist licensed healthcare providers with routine and emergent care of patients in ambulatory care. Procedural skills associated with specialty practices will be explored. The student will demonstrate exam room preparation, patient intake and screening, measuring vital signs, and documenting patient information. Components of a patient examination are covered. Instruction includes key aspects of effective communication and patient interaction. Emphasis is placed on patient confidentiality, legal scope of practice, and ethical behavior. (1.5 lect., 3 lab)

MEDA 1525 - Clinical Role of the Medical Assistant II (3 credits)

A continuation of MEDA-1520, this course provides the student with more advanced theoretical concepts and skills associated with the clinical role of a medical assistant. Emphasis is on respiratory testing, electrocardiography procedures, assisting with minor surgical procedures, and sterile technique. Other topics include patient education and health promotion. Prerequisite: Completion of MEDA-1520. (1.5 lect., 3 lab)

MEDA 1530 - Pharmacology for the Medical Assistant (3 credits)

This course introduces the principles of pharmacology related to the role of the medical assistant. Emphasis is placed on the correlation of drug therapy and pathophysiologic conditions, patient education regarding medications, and researching drugs using a drug reference. Instruction includes the usage, action, side effects, and contraindications of drugs commonly administered in ambulatory care. Routes of administration and the preparation and administration of medications using proper technique will be studied. Also covered are legal and ethical considerations related to the administration of drugs. Prerequisite: Completion of MEDA-1520. (1.5 lect., 3 lab)

MEDA 1720 - Medical Assisting Fundamentals I (4 credits)

This course introduces the student to the theoretical concepts and practical applications associated with the clinical and laboratory responsibilities of the medical assistant. Online coursework provides the student with the knowledge and skills needed to assist healthcare providers with routine and emergent care of patients in ambulatory care settings. Topics include the principles of confidentiality, scope of practice, specialty practices, standard precautions, infection prevention and control, medical lab practice, specimen collection, diagnostic testing, and documentation. This course is for students enrolled in the Medical Assistant Apprenticeship Program. Instructor permission is required. The student must maintain employment at an affiliated healthcare agency throughout enrollment in the course. (4 lect.)

MEDA 1725 - Medical Assisting Fundamentals II (4 credits)

This course provides the student with advanced theoretical concepts and skills associated with the clinical role of a medical assistant. Emphasis is on medication administration, cardiopulmonary testing, sterile technique, wound care, patient education, and health promotion. This course is for students enrolled in the Medical Assistant Apprenticeship Program. Instructor permission is required. The student must be employed by an affiliated healthcare agency throughout enrollment in the course. (4 lect.)

MEDA 1800 - Phlebotomy Principles in Practice (3 credits)

This course introduces the student to laboratory tests and procedures routinely performed in ambulatory care. Topics include the fundamental principles of medical lab practice, disposal of biohazardous materials, specimen collection, handling samples, diagnostic testing, documentation, quality assurance, and patient safety measures. Also included is basic life-support training. Completion of the required number of unaided venipuncture and capillary collections qualifies the student to take the phlebotomy technician certification examination administered by the National Center for Competency Testing. (1.5 lect., 3 lab)

MEDA 1970 - Medical Assistant Practicum (5 credits)

This practicum course provides the opportunity to apply the concepts and principles learned in the classroom and laboratory to a real-world work environment. The student is required to complete 160 hours at a partnering healthcare agency. This clinical learning experience allows the student to practice and demonstrate skills and competencies under the supervision of a qualified preceptor. A weekly on-campus seminar is designed to assist the student in transitioning to the professional workplace. Preparation for the certifying examination and assessment of job readiness are emphasized. Successful completion of the course qualifies the student to take the National Certified Medical Assistant examination. Prerequisite: Completion of MEDA-1520. (1 lect., 12 practicum)

MGT - Management

MGT 2130 - Human Relations (3 credits)

This course is designed to help the student develop effective human relations skills for the workplace and personal life. The student will explore human relations from a personal, interpersonal, and organizational perspective. The student will examine their ability to solve problems and think critically about relationships with peers, co-workers, supervisors, and others. Developing an understanding of human relation skills critical for success is essential in today's changing and diverse environment. A student earning credit in this course may not earn credit in COMM 2130 (3 lect.) ***ORAL***

MGT 3000 - Financial Analysis Budgeting (3 credits)

This course explores financial statements and how to analyze from internal and external perspectives. The course focuses on horizontal, vertical, and ratio analysis. The student will forecast financials, apply budgeting strategies, and address capital budgeting and working capital management theory using computer applications. The student will gain critical thinking and analysis skills revolving around financial literacy and its application in management and leadership positions. (3 lect.)

MGT 3010 - Personal Leadership (3 credits)

This course comprehensively examines personal patterns of leadership, including conflict resolution, communication, listening, empowerment/delegation, organization, and decision-making. Through analysis, case study, and personal assessment, the student will grow in awareness and critical thinking around best leadership approaches to use in a given situation based on their own predispositions. The student will develop a personal leadership vision, goals, and development plan. Prerequisite: Completion of MGT 3005. (3 lect.)

MGT 3110 - Business Ethics (3 credits)

This course is designed to equip the student with practical concepts and methodologies essential for developing a successful career as an organizational leader and ethical decision-maker. The student will engage with critical issues relevant to all businesses, such as corporate responsibilities to both society and the organization, ethical challenges, leadership rooted in integrity, organizational governance, and the frameworks for responsible and strategic decision-making. (3 lect.) ***HUM***

MGT 3210 - Management and Organization (3 credits)

The student will examine and evaluate the concepts, theories, and principles of management. The functions of planning, organizing, staffing, controlling, and leading are emphasized. The student incorporates case problem analyses and principle concepts to make decisions and recommendations in management and leadership. (3 lect.)

MGT 3400 - Business Internship (2 credits)

This business internship course is directly related to the student's program of study and provides learning experiences not available in the classroom setting. The internship is designed to provide the student with career-related experiences and workplace competencies that will be valuable to future career goals. (2 lect.)

MGT 3415 - Applied Human Resources Management (3 credits)

This course examines the formal systems used to manage people at work and issues related to organizing and staffing. Specific attention is given to legal issues, employment needs analysis, staffing, employee training, compensations, and union relations. The student will evaluate concepts and procedures of Equal Employment Opportunity, diversity, job analysis, job evaluation, wage and salary administration, performance evaluation, safety, employee services, and fringe benefits. (3 lect.)

MGT 4020 - Innovation Management (3 credits)

Innovation management combines the processes of innovation and change management to address the challenges of operating in fast-moving, competitive environments. This course explores the strategies and tools needed to drive meaningful change for organizational sustainability and growth. The student will examine key theories and develop fundamental skills in creative and innovative processes. The student will generate new ideas, design innovations, formulate implementation strategies, and critically assess their impact. Additionally, the student will analyze systems that may hinder or foster innovation and explore how to build and sustain a culture of innovation within organizations. (3 lect.)

MGT 4390 - Mgmt and Leadership Capstone (3 credits)

This capstone course offers the student an opportunity to create a theoretical solution to a current issue in leadership. The student will develop a solution-based project using the knowledge and skills obtained in the leadership classes in the Bachelor of Applied Science in Organizational Management and Leadership Degree. The student will present their final project to a group of peers and the instructor. This class is highly self-driven, and the student will need excellent time management skills to ensure timely project completion. Prerequisite: Completion of MGT 3005, MGT 3010, and MGT 4005. (3 lect.)

MGT 4395 - Business and Entr Capstone (3 credits)

This capstone course serves as a comprehensive evaluation, offering the student the opportunity to showcase their integrated knowledge and development in business and entrepreneurship. The student will apply core business concepts to tackle complex, real-world scenarios. Through critical problem-solving, the student will connect academic theory with global business practices. (3 lect.)

MGT 4400 - Leadership Practicum (2 credits)

This course provides the student the opportunity to incorporate their leadership skills in a structured environment. The student may use his or her own workplace, or establish a team or internship setting in which they will integrate comprehensive knowledge gained from previous coursework in effective leadership. The student will gain practical application of personal and organizational leadership within the context of a practicum. The student will summarize the experience and devise a plan in which they may continue to strengthen their effectiveness. Prerequisite: completion of or concurrent enrollment in MGT 3005, MGT 3010, and MGT 4005. (1 lect., 2 lab)

MKT - Marketing

MKT 1000 - Sales (3 credits)

The student will gain an understanding of sales and other marketing practices used in today's changing and diverse environment. The student will explore marketing and communication strategies for professional sales, customer and public relations, and advertising on various platforms and channels. Professional communication strategies will be examined, as well as the influence of culture, technology and media on advertising and sales. (3 lect.)

MKT 1510 - Entrepreneurial Marketing (3 credits)

Entrepreneurial marketing is designed to instruct learners how to create, develop, and execute marketing tactics to grow a successful business. A marketing plan will be created, which can be used as a tool to market successful businesses. The student will gain insights essential for marketing their entrepreneurial venture using innovative and financially responsible marketing strategies. The student will create effective marketing communication materials for use in his or her operation. The student will prepare a marketing plan to launch the entrepreneurial venture and implement the first two years of business operation. (3 lect.)

MKT 2010 - Problems in Marketing (3 credits)

This course examines common problems in business related to the marketing environment. The student will work on an individualized learning project related to their interest and occupational objectives in business and marketing. Ethical practices and problems in business related to marketing functions are examined. (3 lect.)

MKT 3050 - Social Media Marketing (3 credits)

This course explores social media and the role it plays in communicating and marketing to consumers. Current social media platforms and their role in digital marketing strategies are examined, along with the concepts and scope of Integrated Marketing Communication, search-engine marketing, and content marketing. The student will set objectives to develop a social media marketing plan and utilize new media technologies. The evolution of social media marketing strategies, ethical issues involved in their use, and the macro-environmental issues affecting social media will be researched in-depth. The student will examine social consumers and their behaviors and e-commerce in relation to social media marketing campaigns and initiatives. (3 lect.) ***SOC***

MKT 3210 - Principles of Marketing (3 credits)

This course is designed to provide the student with the nature, significance and scope of marketing. The student will evaluate the relationships among product, place, promotion and price, in addition to examining marketing practices and problems in a changing environment. (3 lect.)

MOLB - Microbiology

MOLB 2210 - General Microbiology (4 credits)

This is a foundation course with emphasis on the structure, function, development, physiology, classification, and identification of microorganisms. Prerequisites: Completion of BIOL 1010, ENGL 1010 and test into MATH 1000 or higher. (3 lect., 3 lab)

MUSC - Music

MUSC 0200 - Convocation (0 credits)

Twice-monthly recital hour for students and guest performers. In addition to the scheduled convocations, students will be required to attend four approved concerts. Completion of four semesters with a grade of S is required for all music majors pursuing a music degree. Intended for, and required of music majors. Prerequisite: Concurrent in applied Music lessons: MUSC-1050, MUSC 1055, or MUSC 2070. (S/U Grading only)

MUSC 1000 - Intro to Music (3 credits)

A course in music appreciation for the student with or without prior musical experience. It is designed to increase understanding and enjoyment of the music of western civilization, and to increase critical discrimination in listening to music of all types. Attendance at specified public performances is required. (3 lect.) ***HUM***

MUSC 1010 - Music Fundamentals (3 credits)

This course is designed primarily for the student whose area of emphasis is not music. It acquaints the student with basic music theory (reading and writing music). Students actively participate in the process of creating and performing music. They develop an appreciation for the contribution of music to culture and learn to make aesthetic and intellectual judgments regarding music. (2 lect., 2 lab) ***ARTS***

MUSC 1030 - Written Theory I (3 credits)

Fundamentals and analysis of music including sound production, notation, scales, modes, intervals, key signatures, and triad construction. Prior musical knowledge is not required. To be taken concurrently with MUSC 1035. (3 lect.)

MUSC 1035 - Aural Theory I (1 credits)

Designed to develop the student's skills in ear-training and sight-singing, with emphasis on melody, harmony and rhythm. To be taken concurrently with MUSC 1030. (1 lab)

MUSC 1040 - Written Theory II (3 credits)

Continuation of MUSC 1030. Includes the structure of tonality, triads and their inversion, part writing, non-harmonic tones, phrase structure, cadences, harmonic progressions, and harmonization techniques. All topics reinforced with systematic analysis and practical application. To be taken concurrently with MUSC 1045. Prerequisite: Completion of MUSC 1030 and 1035. (3 lect.)

MUSC 1045 - Aural Theory II (1 credits)

MUSC 1045 is a continuation of MUSC 1035. To be taken concurrently with MUSC 1040. Prerequisites: Completion of MUSC 1030 and MUSC 1035. (1 lab)

MUSC 1050 - Private Lessons: (1 - 2 credits)

MUSC 1050 provides individual instruction on a musical instrument for non-music majors. Through the study of different periods and styles of music, students learn music theory related to their instrument, performance technique, and the cultural/historical context of those works of music. Students evaluate their skills through required video recording, discussion in Studio Class and optional performances. Credits earned in this course on the chosen instrument or voice are not transferable for students whose area of emphasis is music. Students should practice a minimum of 4 hours/week. Instructor's permission is required for lab scheduling purposes only. (.5 lect. for 1 credit, 1 lect. for 2 credits) Baritone/Euphonium Bass Cello Clarinet Flute French Horn Guitar Oboe Percussion Piano Saxophone Trombone Trumpet Tuba Viola Violin Voice Individualized instruction in various instruments is dependent upon availability of qualified instructors. ***ARTS***

MUSC 1055 - Individual Lessons: (1 - 2 credits)

MUSC 1055 provides freshman-level individual instruction on a musical instrument for Music Majors. Through the study of different periods and styles of music, students learn music theory related to their instrument, performance technique, and the cultural/historical context of those works of music. Students evaluate their skills through required video recording and recital performances. Students should practice a minimum of 12 hours/week. Permission of instructor required for scheduling purposes only. (.5 lect. for 1 credit, 1 lect. for 2 credits) Baritone/Euphonium Bass Cello Clarinet Flute French Horn Guitar Oboe Percussion Piano Saxophone Trombone Trumpet Tuba Viola Violin Voice Individualized instruction in various instruments is dependent upon availability of qualified instructors. ***ARTS***

MUSC 1290 - Class Piano I (1 credits)

Class Piano I provides group instruction for beginning piano students. This course emphasizes piano technique, piano music in its cultural/historical context, and music theory including simple accompaniments and transposition. Students should practice a minimum of 2 hours/week. A maximum of 4 credits is applicable toward graduation. (1 lect., 1 lab) ***ARTS***

MUSC 1292 - Class Guitar I (1 credits)

Class Guitar I provides group instruction for beginning guitar students. Through the study of different styles of music, students learn music theory and technique related to the guitar. The cultural/historical context of the guitar and music written for the instrument are discussed. Students should practice a minimum of 2 hours/week. (1 lect., 1 lab) ***ARTS***

MUSC 1378 - College Band (1 credits)

College Band is a performance-oriented course designed to study and rehearse/perform standard concert band literature encompassing periods of music history from the Renaissance through Contemporary. Students develop skills in sight reading, music theory, and instrumental technique within the ensemble setting. Band members evaluate music performed using recordings (video and audio) of concerts. In addition members evaluate recorded examples of literature the band is currently rehearsing. Each musical work is performed with consideration to its cultural/historical context. This course may be repeated for a maximum of four credits applicable toward graduation. (.5 lect., 1 lab) ***ARTS***

MUSC 1390 - Jazz Ensemble I (1 credits)

Jazz Ensemble I performs "big band" literature from the 1920's to contemporary styles. Students develop instrumental performance skills, and understanding of basic jazz theory, and jazz listening skills as they regularly evaluate their own and other's performances. Works for jazz ensemble are performed in consideration of their cultural/historical context. Regular attendance and concert attire are required. Ensemble performs both concerts and dances throughout the year. This course may be repeated for a maximum of 4 credits applicable toward graduation. An audition is required for proper placement. (2 lab) ***ARTS***

MUSC 1391 - Community Jazz Ensemble (0.5 credits)

Community Jazz Ensemble performs "big band" literature from the 1920's to contemporary styles. Students develop instrumental performance skills, and understanding of basic jazz theory, and jazz listening skills as they regularly evaluate their own and other's performances. Works for jazz ensemble are performed in consideration of their cultural/historical context. Regular attendance and concert attire are required. Ensemble performs in both concerts and dances throughout the year. An audition is required for proper placement. (2 lab)

MUSC 1400 - Collegiate Chorale (1 credits)

Collegiate Chorale is a performance-oriented course designed to study and rehearse/perform standard concert choir literature encompassing periods of music history from the Renaissance through Contemporary. Students develop skills in sight reading, music theory and vocal technique within the ensemble setting. Choir members evaluate music performed using recordings (video and audio) of concerts. In addition, members evaluate recorded examples of literature the choir is currently rehearsing. Each musical work is performed with consideration to its cultural/historical context. This course may be repeated for a maximum of four credits applicable toward graduation. (2 lab) ***ARTS***

MUSC 1404 - Master Chorale (0.5 credits)

Master Chorale is a community-based performance ensemble. This group performs with the Collegiate Chorale and is open to all singers without audition. Students will rehearse and perform a variety of choral works, including secular and sacred literature, choral masterworks, and possible choral/orchestral works. Performance attire is required. In addition to regular class time, performance time is required. (S/U grading only) (.5 lect.)

MUSC 1405 - Touring Ensemble: (2 credits)

Touring Ensemble is a performance-oriented class made up of select vocal and instrumental students. It combines vocal and instrumental jazz ensembles and tours through the state as representatives of CWC. Students develop instrumental performance skills, an understanding of basic jazz theory, and jazz listening skills as they regularly evaluate their own and other's performances. Works for jazz combo are performed in consideration of their cultural/historical context. Regular attendance and concert attire are required. This course may be repeated for a maximum of eight credits applicable toward graduation. An audition will be required. (4 lab)

MUSC 1410 - Vocal Ensemble (1 credits)

Vocal Ensemble is a performance-oriented course designed to study and rehearse/perform standard chamber choir literature encompassing periods of music history from the Renaissance through Contemporary. Students develop skills in sight reading, music theory, and vocal technique within the ensemble setting. Choir members evaluate music performed using recordings (video and audio) of concerts. In addition, members evaluate recorded examples of literature the choir is currently rehearsing. Each musical work is performed with consideration to its cultural/historical context. This course may be repeated for a maximum of four credits applicable toward graduation. Prerequisite: Instructor's permission. (2 lab) ***ARTS***

MUSC 1425 - History of Rock Music (3 credits)

This course introduces students to the international musical art form of rock music. It explores the origins of rock music and traces various style periods from the early years of Chuck Berry to The Dave Matthews band and its contemporaries. Students will learn how to listen to rock music from a casual, perceptive, and critical point of view. Major artists, styles, recordings, and developments will be covered. (3 lect.) ***HUM***

MUSC 1430 - Symphony Orchestra (1 credits)

Symphony Orchestra (Fremont County Orchestra) is a performance-oriented course designed to study and rehearse/perform standard orchestral literature encompassing periods of music history from the Baroque through Contemporary. Students develop skills in sight reading, music theory, and instrumental technique within the ensemble setting. Orchestra members evaluate music performed using recordings (video and audio) of concerts. In addition, members evaluate recorded examples of literature the orchestra is currently rehearsing. Each musical work is performed with consideration to its cultural/historical context. Members of the Fremont County Orchestra perform on string, brass, woodwind and percussionist instruments. A maximum of four credits are applicable toward graduation. Prerequisites: An audition is required for placement purposes only. (.5 lect., 1 lab) ***ARTS***

MUSC 1441 - Chamber Ensemble: (1 credits)

Chamber Ensemble is a performance-oriented course designed to study and rehearse/ perform chamber music literature encompassing the Renaissance through Contemporary periods. Through the study of different periods and styles of music, students learn music theory, instrumental or vocal technique, and the cultural /historical context of chamber music. Students evaluate their skills through required video recordings of performances. Students should practice a minimum of four hours/week. An audition will be required for placement purposes only. (2 lab) ***ARTS***

MUSC 1452 - Handbell Choir (1 credits)

Handbell Choir is a performance-oriented course designed to study and rehearse handbell literature employing proper ringing techniques and musicianship. This course may be repeated for a maximum of three credits applicable toward graduation. No music experience is required. (2 lab) ***ARTS***

MUSC 1453 - Community Handbell Choir (0.5 credits)

Community Handbell choir is a performance-oriented course designed to study and rehearse handbell literature employing proper ringing techniques and musicianship. No music experience is required. For community members only. (S/U grading only)(2 lab)

MUSC 1490 - Piano Ensemble (1 credits)

Piano Ensemble provides individualized piano instruction using multi-piano literature, including duets, piano concertos, and duo-piano compositions. Through the study of different periods, and styles of music, students learn music theory, piano technique, and the cultural/historical context of piano literature. Students evaluate their skills through required video recording of lessons, studio class and recital performances. Students should practice a minimum of 4 hours/week. A maximum of four credits are applicable towards graduation. An audition will be required for placement purposes only. (2 lab) ***ARTS***

MUSC 2030 - Written Theory III (3 credits)

MUSC 2030 is a continuation of MUSC 1030 and 1040. Deals with seventh chords, altered nonharmonic tones, altered sixth and seventh chords, modulation, and 9th, 11th, and 13th chords. All areas are rein- forced through systematic analysis, practical application and performance. Prerequisite: Completion of MUSC 1040. To be taken concurrently with MUSC 2035. (3 lect)

MUSC 2035 - Aural Theory III (1 credits)

MUSC 2035 is a continuation of MUSC 1035 and 1045. Including two-part melodic dictation, harmonic dictation, modulating exercises, and advanced sight-singing. Prerequisite: Successful completion of MUSC 1045. (1 lab)

MUSC 2040 - Written Theory IV (3 credits)

Continuation of MUSC 1030,1040 and 2030. Course breaks away from traditional harmonic practices of the 18th and 19th centuries and explores the 20th century techniques and practices. Student- centered activities in the application of knowledge, personal creativity, experimentation, composition, and performance are encouraged. Prerequisites: Successful completion of MUSC 2030. To be taken concurrently with MUSC 2045. (3 lect.)

MUSC 2045 - Aural Theory IV (1 credits)

MUSC 2045 is a continuation of MUSC 2035. Prerequisite: Successful completion of MUSC 2035. (2 lab)

MUSC 2050 - Music History Survey I (3 credits)

This is a survey course beginning with ancient times and continuing through the Middle Ages, Renaissance and the Baroque periods, ending about 1750. Music is studied within the context of its historical period. The cultures and belief systems of those cultures are considered for their influence on the musical composition during each period. In turn, music's impact on the quality of life in each society is discussed. (3 lect.) ***HUM***

MUSC 2055 - Music History Survey II (3 credits)

This course continues the study of music from the Pre-Classical through the Classic, Romantic, and the 20th Century-Contemporary periods. Music is studied within the context of its historical period. The cultures and belief systems of those cultures are considered for their influence on the musical composition during each period. In turn, music's impact on the quality of life in each society is discussed. (3 lect.) ***HUM***

MUSC 2057 - Jazz: A Listener's Introduction (3 credits)

This is a course designed to introduce students to the American multicultural indigenous musical art form of Jazz. It explores the origins of Jazz and traces the various style periods historically taking into consideration the cultures from which it grew including the Creole and European cultures. Students will learn the key elements of Jazz such as improvisation and learn how to listen to jazz. Major artists, styles, recordings, and developments will be covered. (3 lect.) ***HUM***

MUSC 2070 - Individual Lessons: (1 - 2 credits)

MUSC 2070 provides sophomore-level instruction on a musical instrument for Music Majors. Through the study of different periods and styles of music, students learn music theory related to their instrument, performance technique, and the cultural/historical context of those works of music. Required video taping and recital performances give students an opportunity to evaluate their skills. A maximum of 4 credit hours of Applied Music may be used by the student whose area of emphasis is music certifiable toward the Associate of Arts degree in a single instrument or in voice. Students should practice a minimum of 12 hours/week. Prerequisite: Completion of MUSC 1055 (2 credits) and permission of instructor for scheduling purposes only. (.5 lect, 1 lab for 1 credit, 1 lect., 2 lab for 2 credits). Baritone/Euphonium, Bass, Cello, Clarinet, Flute, French Horn, Guitar, Oboe, Percussion, Piano, Saxophone, Trombone, Trumpet, Tuba, Viola, Violin, Voice. Individualized instruction in various instruments is dependent upon availability of qualified instructors. ***ARTS***

MUSC 2379 - Fremont County Band (0.5 credits)

Fremont County Band is a performance-oriented course designed to study and rehearse/perform standard concert band literature encompassing periods of music history from the Renaissance through Contemporary. Musicians develop skills in sight reading, music theory, and instrumental technique within the ensemble setting. Band members evaluate music performed using recordings (video and audio) of concerts. In addition members evaluate recorded examples of literature the band is currently rehearsing. Each musical work is performed with consideration to its cultural/historical context. This course may be repeated for a maximum of two credits applicable toward graduation. Prerequisites: Prior instrumental experience and instructor's permission. (1 lab)

MUSC 2395 - Piano Proficiency (0 credits)

Completion of the piano proficiency examination is a graduation requirement of all music majors. Prerequisites: This course is only open to students enrolled in the AA Music degree program. (S/U Grading only).

MUSC 2406 - Advanced Projects in Music (1 - 3 credits)

Advanced Projects in Music offers a unique opportunity for students to receive both individual attention and group critiques. Students are permitted and encouraged to design their own in- depth projects and/or set performance goals. These will include performance, music technology, music composition/arranging, and/or historical perspectives. Prerequisite: Instructor permission. (1-3 lect.)

NAIS - Native American and Indigenous Studies

NAIS 1005 - Intercultural Communication (3 credits)

This course is designed to provide the student with the knowledge, skills, and tools to effectively function in intercultural environments situations, and relationships. Within this process, one focus will be communication between the American Indian and Euro- American cultures, although many different cultures will be included in this experience. The theoretical foundations and systematic structure of communication processes will lay the foundation from which intercultural relationships will be examined. Students earning credit in NAIS 1005 may not earn credit in COMM 1005. (3 lect.)

NAIS 1350 - American Indians in Contemporary Society (3 credits)

American Indians in contemporary society is a survey lecture course that examines social and cultural issues and concerns of American Indian people within the dominant society and American Indian culture will be explored. (3 lect.) ***SOC***

NAIS 2000 - Indians of the Wind River (3 credits)

Indians of the Wind River is an interactive course designed to provide an in-depth comprehension and a greater level of awareness both at an academic and cultural level. The course will examine the social, political, historical, cultural and contemporary issues facing the Eastern Shoshone and Northern Arapaho tribes in an ever changing world. (3 lect.)

NAIS 2050 - Native Language Curriculum and Materials (3 credits)

The focus of this course is integrating Native language into classroom curriculum to create a culturally relevant pedagogy. (3 lect.)

NAIS 2060 - Topics: (1 - 3 credits)

This course is a survey of contemporary political, economic, and social issues which directly affect the lives of Native Americans. Issues range from preservation of traditional values to modern tribal sovereignty. (1-3 lect.) (Max 6)

NAIS 2100 - Nation Building Leadership & Gvrnc (3 credits)

This course examines leadership and governance issues Indigenous nations face in the 21st century including political sovereignty, traditional governance, constitutional reform, treaty rights, economics, health and social welfare, education, cultural adaptation, and intergovernmental relations. Case studies and simulations derived from field research and experience are utilized to demonstrate multiple forms of successful tribal governments. (3 lect.)

NAIS 2290 - History of North American Indians (3 credits)

The course examines major developments in Indian history since European contact. Concentration will be upon geographical groups, their migrations and relationships to the United States government. Students earning credit in NAIS 2290 may not earn credit in HIST 2290. (3 lect.)

NAIS 2340 - Native American Culture and Literature (3 credits)

This course is a broad study of the literature of American Indian peoples. It includes both oral and written traditions, from the pre-Columbian era to the twentieth century. Legends, oratory, songs, poems and stories are the matter of the course. Students earning credit in NAIS 2340 may not earn credit in ENGL 2340. Prerequisites: Completion of ENGL 1010. (3 lect.) ***HUM***

NAIS 2350 - Cultural Institute (3 credits)

The focus of this course is developing a greater knowledge and comprehension of the people of the Wind River Indian Reservation. Students will attend events, presentations, and visit various locations on the Reservation that are historical and contemporary significance. (3 lect.)

NAIS 3300 - Federal Indian Law (3 credits)

This course surveys the law that applies to American Indians and tribal governments. History has played a crucial role in the development of Federal Indian law, and accordingly, is discussed throughout the course. (3 lect.)

NAIS 4100 - Tribal Government (3 credits)

This course examines traditional systems of tribal governance: the establishment of contemporary tribal governments; stakeholders and their goals; factors influencing tribal government operations, including the federal trust relationship, plenary power, tribal-federal and tribal-state relations; powers of tribal governments, and the future of tribal governments. Prerequisite: Completion of NAIS 3300. (3 lect.)

NAIS 4110 - Educational Foundations in American Indian Education (3 credits)

This course examines cultural, geographical, linguistic, spiritual, political, and societal factors before, during and after colonization. The student will evaluate teacher-pupil-community relationships that honor culture and language and enhance achievement. (3 lect.)

NAIS 4340 - Natural Resource Management on Western Reservations (3 credits)

This course examines natural resource management techniques on Indian reservations. The focus is on management and planning of water, grazing extractive industries, and forestry as tribal revenue for economic development. Fieldwork on the Winder River Indian Reservation is included. (3 lect.)

NAIS 4400 - Tribal Leadership Practicum (3 credits)

This course incorporates reflective work in tribal leadership in a practical setting. The student will complete supervised practicum work in areas affecting American Indians, which may include politics, economics, education, law, or human services. (3 lect.)

NRST - Nursing

NRST 1510 - Nursing Assistant (4 credits)

This course uses a blended delivery format that combines online learning with required meetings in a lab setting followed by 36 hours of direct care clinical. The student is introduced to the theory, principles, and skills necessary to provide patient-centered care as a nursing assistant in healthcare settings. Topics include scope of practice, patient rights, communication strategies, infection control, patient safety, and basic nursing skills. Upon satisfactory completion, the student is eligible to take the state competency examination for certification as a nursing assistant. (3 lect., 36 clinical hours)

NRST 1550 - Certified Nursing Assistant II (2 credits)

This course provides the Certified Nursing Assistant (CNA) an opportunity to prepare for practice in an expanded role in selected healthcare settings. The student will explore the rationale for skill procedures within the role of a CNA II, and will demonstrate those skills in the classroom and laboratory setting. On successful completion of the course, the student is eligible for certification as a CNA II. Eligibility criteria set forth by the Wyoming State Board of Nursing includes current, unencumbered Wyoming nursing assistant certification and documentation of 1500 work hours as a CNA. (S/U grading only.) (1 lect., 2 lab)

NRST 1600 - Medication Aide (4 credits)

This course provides the student holding current Wyoming Nursing Assistant II certification (CNA II) with the knowledge and skills needed for safe administration of medications with a predictable outcome, as delegated by an RN or LPN in selected settings. The student will explore the rationale for medication administration within the role of a Medication Assistant-Certified (MA-C) and will demonstrate these skills in the classroom and clinical settings. On successful completion, the student is eligible to take the National Medication Aide Certification Examination (MACE) to receive certification through the Wyoming State Board of Nursing. The student must have current, unencumbered CNA II certification. (S/U grading only.) (3 lect./lab, 40 total clinical hours)

NURS - Nursing

NURS 1100 - Professional Nursing Care in Health Promotion (8 credits)

This course introduces the learner to the concepts of health promotion, safety, clinical judgment, leadership, patient-centeredness, and professionalism. Health promotion includes learning about self-health and health in children, adults, older adults, and the family experiencing a normal pregnancy. Learners will value evidence about healthy lifestyle patterns and risk factors for disease and illness, apply growth and development theory, develop therapeutic relationships, conduct an age-appropriate and culturally sensitive health assessment, and promote health using the nursing process and standards of professional nursing. Prerequisites: Acceptance into the nursing program; completion of, or concurrent enrollment in ZOO 2025. (5 lect., 8 hours clinical per week)

NURS 1110 - Pharmacology in Health Promotion (1 credit)

This course guides the learner in applying the concepts of health promotion, safety, clinical judgement, leadership, patient-centeredness, and professionalism in the exploration of the basic pharmacological principles that include the mechanism of action, therapeutic responses adverse effects, and potential interactions of selected classes of drugs. The nursing process provides the framework for the study of therapeutic administration of common health-promoting and preventative medications, with emphasis of healthcare provider responsibilities, interprofessional teamwork, development of safe medication administration practices, and patient education for promotions of self-care. Prerequisites: Acceptance into the nursing program; completion of, or concurrent enrollment in ZOO 2025 and NURS 1100. (1 lect.)

NURS 1200 - Professional Nursing Care of the Patient w/Chronic Illness (8 credits)

This course introduces the learner to the patient and family with chronic illness using the concepts of health promotion, safety, clinical judgment, leadership, patient-centeredness, and professionalism. Learners will use caring behaviors, therapeutic communication, and advocacy when providing care to patients with chronic illness across the lifespan. The learner will identify the roles and values of the member of the interprofessional healthcare team. The patient and family lived experience is emphasized. Prerequisites: Completion of NURS 1100 and NURS 1110; completion of, or concurrent enrollment in PSYC 1000. (4 lect., 12 clinical hours per week.)

NURS 1210 - Pharmacology in Chronic Illness (1 credit)

This course guides the learner in applying the concepts of safety, clinical judgment, leadership, patient-centeredness, and professionalism in the exploration of pharmacological principles that include the mechanism of action, therapeutic responses, adverse effects, and potential interactions of the selected classes of medications. The nursing process provides the framework for the study of therapeutic administration of medications commonly used to treat various chronic health conditions. Healthcare provider responsibilities, interprofessional teamwork, safe medication administration practices, and patient education are emphasized for overall health maintenance. Prerequisites: Completion of NURS 1100 and NURS 1110; completion of, or concurrent enrollment in PSYC 1000. (1 lect.)

NURS 1400 - LPN Transition (2 credits)

The LPN Transition course is intended to provide the currently licensed practical nurse with the necessary tools for advanced placement into the second year of the Associate Degree Nursing Program. Emphasis is on role transition, orientation to the program, strategies for success in the classroom, and clinical readiness. Prerequisites: Completion of BIOL 1010, ENGL 1010, MATH 1400, PSYC 1000, ZOO 2015, and ZOO 2025; achieving the required score on the PN advanced placement assessment. (2 lect.)

NURS 1505 - PN Advanced Placement Test (8 - 16 credits)

Licensed practical nurses pursuing an RN license may enter the Associate Degree Nursing Program with advanced standing by achieving the required score(s) on the designated PN entrance test. The student is allowed two attempts per application cycle. Based upon achieved scores, 8-16 credits may be transcribed toward first-year nursing degree requirements.

NURS 2300 - Professional Nursing Care of the Patient w/Acute Illness (8 credits)

This course introduces the learner to the patient and family with acute illness using the concepts of safety, clinical judgement, leadership, patient-centeredness, and professionalism. Learners will use caring behaviors, therapeutic communication, and advocacy when providing care to patients with acute illness across the lifespan. The learner will facilitate the effectiveness of the interprofessional healthcare team. The patient and family lived experience is emphasized. Prerequisite: Completion of NURS 1200 and NURS 1210. (3 lect., 16 hours clinical per week)

NURS 2310 - Pharmacology in Acute Illness (1 credits)

This course guides the learner in applying the concepts of safety, clinical judgment, leadership, patient-centeredness, and professionalism in the exploration of pharmacological principles that include the mechanism of action, therapeutic responses, adverse effects, and potential interactions of the selected classes of drugs commonly prescribed for patients who are acutely ill. The nursing process provides the framework for the study of therapeutic administration of medications commonly used to treat various acute conditions. Healthcare provider responsibilities, interprofessional teamwork, safe medication administration practices, and patient education are emphasized for overall health stabilization and improvement. Prerequisites: Completion of NURS 1200 and NURS 1210. (1 lect.)

NURS 2400 - Professional Nursing Care of the Patient w/Complex Illness (8 credits)

This advanced course introduces the learner to the patient and family with complex illness using the concepts of health promotion, safety, clinical judgment, leadership, patient-centeredness, and professionalism. This semester is focused on the vulnerable patient, which could include multisystem acute and chronic disease processes, and physiological, mental, and socioeconomic factors that put the patient at risk. The patient and family lived experience is emphasized. Prerequisite: Completion of NURS 2300 and NURS 2310. (3 lect., 16 clinical hours per week)

NURS 2410 - Pharmacology in Complex Illness (1 credit)

This course guides the learner in applying the concepts of safety, clinical judgment, leadership, patient-centeredness, and professionalism in the exploration of pharmacological principles that include the mechanism of action, therapeutic responses, adverse effects, and potential interaction of the selected classes of drugs commonly prescribed for patients with complex illnesses. The nursing process provides the framework for the study of therapeutic administration of medications commonly used to treat various acute conditions. Healthcare provider responsibilities, interprofessional teamwork, safe medication administration practices, and patient education are emphasized for overall health stabilizations and improvement. Prerequisite: Completion of NURS 2300 and NURS 2310. (1 lect.)

OEAC - Outdoor Education Activity

OEAC 1175 - Ice Climbing (1 credits)

This beginner-intermediate level course is best suited for students with an understanding of rock climbing fundamentals. The student will learn the skills and techniques associated with climbing and belaying on vertical waterfall ice. The student will practice the proper use of ice tools, crampons, ice screws and safety equipment. Course focuses on assessing and mitigating potential hazards in steep mountainous terrain in winter conditions. All clothing and equipment must meet instructor approval. (2 lab)

OEAC 1258 - Skiing and Snowboarding (1 credits)

This is a beginning level course for the student interested in lift-served downhill skiing or snowboarding. The student will practice safe ski and snowboard techniques for resort skiing and snowboarding. The course will also present an overview of equipment, proper clothing, waxing, and risk management techniques. All clothing and ski or snowboard equipment must meet instructor approval and must be provided by the student. (2 lab)

OEAC 1287 - Outdoor Rock Climbing (1 credits)

This course exposes the student to the foundations of rock climbing outdoors. The student will have opportunities to climb on granite, sandstone, and limestone that will develop new skills in the areas of sport climbing, traditional climbing, belaying and following a lead climber, protection placement, lead climbing theory, mock leading, and toprope anchor construction. (2 lab)

OEAC 1288 - Mountain Biking (1 credits)

This mountain biking course will cover trail-riding techniques, bike maintenance, risk management, and clothing and equipment selection. The student should have some previous cycling experience and the physical ability to ride distances of 8-15 miles per day. (2 Lab)

OEAC 1297 - Whitewater Rafting and Rescue (1 credits)

This course provides an introduction to whitewater rafting and swiftwater rescue training. This course is geared to the beginner/intermediate boater and will provide the opportunity to boat rivers up to Class III in difficulty. An overview of equipment, proper clothing, and safe river practices will be presented. Rowing and paddling techniques for oar-rigs, paddle teams, and pack-rafts are covered. (2 lab)

OEAC 1380 - Outdoor Multisport (1 - 3 credits)

This aerobically intensive outdoor activity course introduces the student to a variety of non-motorized travel skills in outdoor settings such as wilderness trails, lakes, and rivers. The student will learn fundamentals of hiking, mountain biking, canoeing, paddle boarding, snowshoeing, and cross-country skiing. The student will also learn to manage risks associated with each sport including how to select and properly maintain equipment. The student should expect ongoing verbal coaching and feedback throughout the course. (2 lab, 4 lab, 6 lab) (Max 6)

OEAC 1400 - Avalanche Level 1 (1 credits)

This course provides a complete introduction to avalanche phenomena, avalanche terrain, decision making, and rescue protocol. The course is designed for those new to travel in avalanche terrain. Instruction will increase avalanche awareness and safety for participants in all forms of winter recreation: snowshoeing, skiing, snowboarding, and snowmobiling. The student will spend about 8 hours in the classroom and about 16 hours outdoors in the snow. This course is taught in partnership with providers following the American Avalanche Association's curriculum guidelines for Level 1 and Avalanche Rescue. The successful student will receive a certificate of completion from an AAA approved external provider. (.5 lect., 1 lab)

OEAC 2020 - Mountaineering: (1 - 5 credits)

Along with a wide range of mountaineering techniques, this course prepares students in map-reading and route finding, minimum-impact camping and first aid. Safety, judgment, leadership skills, and environmental ethics are stressed. While this course will focus on outdoor skills, expedition behavior will be part of the course curriculum. Students will learn to live and work closely with classmates. Tolerance for adversity and uncertainty, respect for others and the environment and a willingness to work hard will be critical to success. Students should expect ongoing verbal coaching and feedback throughout the course, as well as verbal performance summaries at the end of each section. This course may be repeated once in a different location. (1-5 lect.)

OEAC 2025 - Wilderness Navigation (1 credits)

This field-based course introduces skills for land-based wilderness navigation. The student will use topographic maps, compasses, and handheld GPS units for backcountry travel on and off-trail. Topics include map reading, route finding, "Leave No Trace" techniques, trip planning, documentation, digital map software, and fitness considerations for hiking. (2 lab)

OEAC 2030 - Wilderness Backpacking: (1 - 5 credits)

This course teaches wilderness users to practice responsible habits that promote the health and safety of self and others. Students are exposed to the theory and practice of outdoor leadership, teamwork and expedition behavior. Students will learn to live and travel in the wilderness within a framework of personal safety and care of the environment. Students will develop an awareness of how to apply "Leave No Trace" philosophy to their lives beyond the course. Students will apply principles of environmental ethics during the wilderness experience. This course may be repeated once if in a different location. (1-5 lect.) (Max 8)

OEAC 2031 - Combined Expeditions: (1 - 5 credits)

This expedition-based course emphasizes leadership, teamwork, and outdoor skill development. Various offerings of this course include both land and water sections highlighting wilderness travel skills such as: backpacking, kayaking, canoeing, whitewater rafting, backcountry skiing or snowboarding, sailing, sea kayaking, mountaineering, canyoneering, horseback riding and packing, mountain-biking or rock-climbing. Students will learn to live and work closely with their course mates. Tolerance for adversity and uncertainty, respect for others and the environment, and a willingness to work hard will be critical to success. Students should expect ongoing verbal coaching and feedback throughout the course, as well as performance summaries at the end of each section. When this course is offered in conjunction with NOLS, NOLS permission is a prerequisite. As part of the NOLS semester, this course must be taken concurrently with EDUC 2050, G&R 2050, and on select NOLS semesters with HLED 2010 or 2015. This course may be repeated once in a different location. (1-5 lect.) (Max 4-10)

OEAC 2058 - Backcountry Skiing and Snowboarding (1 credits)

This is an intermediate level course designated only for the student with previous experience downhill skiing or snowboarding. The student will practice backcountry snow travel using either alpine touring skis or a split snowboard. The student will learn to use climbing skins, route-find, and assess avalanche hazards in mountainous terrain. Additionally, the course presents an overview of equipment, proper clothing and risk management techniques for winter backcountry travel in the mountains. Skis, split snowboard, and boots are provided, but the student must have appropriate clothing for severe winter conditions. (2 lab)

OEAC 2400 - Avalanche Level 2 (2 credits)

The Avalanche Level 2 course provides experienced winter recreationists the opportunity to advance their avalanche knowledge and decision making skills. The Level 2 builds from the introductory avalanche hazard management model introduced in the Level 1 course and adds the evaluation of factors critical to snow stability analysis. The student will spend time in a classroom and outdoors in the snow. This course is taught through an external provider who meets the American Avalanche Association's Course Provider Guidelines for Avalanche Level 2 Certification. The successful student will receive a certificate of completion. Prerequisites: OEAC 1400 Avalanche Level 1. (1 lect., 2 lab)

ORGL - Organizational Leadership

ORGL 3000 - Strategic Leadership of Nonprofits (3 credits)

In this course, the student will evaluate leadership and management styles for nonprofit organizations and will critique ethical questions encountered by nonprofit leaders. The student will examine components of nonprofit organizational culture, analyze best practices for leadership and management strategies, and recommend tools and strategies for sustainment through change during disruptive times. The student will evaluate the impact of leadership on strategic planning and employee development and will design a method for aligning a mission statement with organizational performance. (3 lect.)

ORGL 3025 - Generating and Evaluating Nonprofits (3 credits)

In this course, the student will evaluate important social, political, and economic aspects of organizations and activities in the nonprofit sector, and will assess important legal dimensions and guidelines established for qualifying nonprofit institutions. The student will critique key aspects of nonprofit management that influence organizational effectiveness. (3 lect.)

ORGL 3050 - Financial Management of Nonprofits (3 credits)

This course emphasizes the importance of cash flow management for nonprofits. The student will develop financial tools such as building budgets, analyzing financial statements, and aligning financial decisions with the organization's mission and sustainability. The student will evaluate financial procedures and tools used by nonprofit managers. The student will explore strategies to present financial analysis and budgets to a board of directors. (3 lect.)

ORGL 4000 - Nonprofit Revenue Principles and Practice (4 credits)

In this course the student will examine issues confronting nonprofit organizations related to fundraising and philanthropic purpose in society. The student will evaluate fundraising, charitable giving patterns, and legal structures in global and US contexts. The student will also formulate a fund development philosophy. (4 lect.)

ORGL 4025 - Nonprofit Program Development and Evaluation (3 credits)

In this course, the student will create a nonprofit organizational plan. The plan will include major elements of nonprofit programs such as needs assessment, marketing and communications, monitoring and evaluation, fundraising, volunteer performance, and assembling a team from staff to board members. (3 lect.)

ORTM-Outdoor-Rec-and-Tourism-Management

ORTM 1000 - Foundations of Recreation and Tourism (3 credits)

This course provides the student with foundational knowledge of outdoor recreation practices and delineates a variety of career options in the field of outdoor recreation. A detailed study includes delivery of recreational programming through parks, public recreation, nonprofit organizations, commercial recreation and tourism, and therapeutic recreation. In addition, this course will cover how U.S. public lands are managed for a variety of recreational activities. (2 lect., 2 lab)

ORTM 1100 - Bicycle Mechanic (3 credits)

This hands-on course prepares the student to work in a bicycle shop or perform professional level bike service in a guide setting, on bike tours, or at home. Concepts presented are applicable to all types of bicycles. The successful student will be well prepared to assemble or repair any type of modern bicycle, including road bikes, downhill bikes, and E-bikes. (6 lab).

ORTM 2100 - Mountain Bike Skills Instructor 1 (2 credits)

This course prepares experienced mountain bikers to be professional guides through the development of outdoor leadership, group management, bike handling skills, and error detection and correction.
The student will learn to plan and lead group rides, develop emergency action plans, and coach beginner and intermediate level mountain bikers on a variety of trail types. Certification requires successful completion of a standardized written and practical exam. Prerequisites: Completion of OEAC 1288. (4 Lab)

ORTM 2410 - Outdoor Leadership (3 credits)

This foundational course will focus on leadership development for adventure programs aimed at providing recreation, education, or therapy for their participants. The student will explore the history and philosophy of adventure programming, outdoor leadership skills, environmental stewardship, risk management and effective facilitation of adventure programs. (3 lect.)

ORTM 2470 - Outdoor Education Practicum (4 credits)

This course will provide a practicum for experiential learning in one of the following areas selected by the student: trail design and construction, public land management, environmental conservation education, guiding, outfitting, wilderness skills development, parks and recreation, or outdoor programs for public schools. As a part-time intern, the student will work closely with a practicum supervisor in a faculty-approved host organization. Flexible work schedule may be developed around student's class schedule. Prerequisites: Completion of EDUC 1055, instructor's approval, and approval of a host organization. (8 lab)

ORTM 3000 - Tourism Theory and Practice (3 credits)

Tourism is a dynamic system of global interconnection that impacts human and natural environments. The student will examine the behavioral, social, economic, political, and environmental issues implicated in and affected by tourism and related industries. The student will critique the practice of tourism today. (3 lect.)

ORTM 3050 - Conservation Planning for Recreation and Tourism Management (3 credits)

Operations and management are critical aspects of the successful delivery of quality recreation and tourism experiences. The student will evaluate environmental stewardship challenges and potential solutions with the integration of operations and management. The student will develop an understanding of functions that are critical to operational leadership, such as revenue management (budgeting, cost controls, profit centers), and human capital management. (3 lect.)

ORTM 4970 - Internship (1 - 6 credits)

The student will have the opportunity to succeed as a professional in park, recreation, tourism, or related organizations. Internships are required to be at least 400 clock hours, and no fewer than 10 weeks. The student will discuss the criteria and requirements of the employers/sponsors and the student with their faculty advisor. Restricted to BAS Outdoor Management & Leadership majors only. (2-12 lab)

ORTM 4975 - Independent Study (1 - 6 credits)

Supervised study and investigation in topics related to the student's research. (2-12 lab)

PDEV - Personal Development

PDEV 1510 - Gold Minds: (0.5 - 3 credits)

These courses provide strategies in self and global awareness, and improvement in academic study skills. Course may be repeated for a maximum of six credits applicable toward graduation. (1-3 lect.) (Max 6)

PEAC - PE: Activity

PEAC 1000 - Fitness: (1 credits)

These physical activities courses are for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. Not all of the options listed below are offered each semester. (2 lab) PEAC The activities presently available are: aerobics, archery, badminton, basketball, beginning swimming, bowling, cross country, exercise/circuit training, emergency water safety/life- guard training, golf, heavy resistance, intermediate swimming, modern dance, mountain touring, racquetball, skiing, slimnastics, social dance, softball, team activities (co-ed), tennis, tumbling and stunts, varsity rodeo, volleyball, wellness activity. Varsity Rodeo will satisfy the P.E. activity requirement at Central Wyoming College. However, students should be advised that when transferring to the University of Wyoming, varsity sport will not satisfy that institutions' P.E. requirement.

PEAC 1009 - Recreational Games (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. (2 lab)

PEAC 1011 - Aquatic Conditioning (1 credits)

This is a Physical Education class designed to improve flexibility, strength, endurance, body composition, coordination, and cardiovascular conditioning through a program of exercises, calisthenics, and various movements arranged in deep water.

PEAC 1012 - Beginning Swimming (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. (2 lab)

PEAC 1022 - Tumbling and Stunts (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1023 - Day Hiking (1 credits)

This course will provide the opportunity to learn and experience on and off trail hiking and will present an overview of equipment, proper clothing, and safe travel techniques for this activity. This course is an excellent orientation to regional trailheads and short hikes in both desert and mountain environments. (2 lab)

PEAC 1031 - Western and Social Dance (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1037 - Fitness Walking (1 credits)

This is a physical education class designed to improve cardio-vascular fitness, flexibility, and muscular endurance, and body composition through a structured walking program. This course will provide instruction in fundamentals fitness principals and an introduction to the potential benefits of positive lifestyle changes. (2 lab)

PEAC 1041 - Personal Defense (1 credits)

This course allows the students to intellectually understand and physically practice selected self-defense training methods and basic skills. The presentation of these techniques is based on selected training methods and basic skills. Coordination of mind and body in the non-aggressive application of certain elements of movement and force in personal defense will be discussed. This course will assist the student in improving their awareness of the environment as it relates to personal safety issues. Coordination skills, flexibility, power and conditioning will be emphasized. (2 lab)

PEAC 1050 - Tennis (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1248 - Beginning Soccer (1 credits)

This course introduces soccer skills of kicking, trapping, intercepting or blocking, passing, tackling, dribbling, shooting, and goalkeeping. Some emphasis on team strategy and officiating is included.

PEAC 1251 - Archery (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1252 - Badminton (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1253 - Beginning Bowling (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1255 - Golf (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester.

PEAC 1257 - Racquetball (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1260 - Volleyball (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1263 - Basketball (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1264 - Softball (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1271 - Weight Loss Conditioning (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1272 - Cardiovas Conditioning (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1273 - Weight Training and Conditioning (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1275 - Circuit Training/Exercise (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. (2 lab)

PEAC 1292 - Strength & Flexibility (1 credits)

This is a physical education class designed to improve overall strength and flexibility. The course will provide instruction in safe and effective strength and flexibility activities appropriate for each individual students needs. (2 lab)

PEAC 1293 - Adv Strength & Flexibility (1 credits)

This is an advanced class for students in strength and flexibility. This course is designed to take the student beyond the basic class in order to further increase his/her knowledge, understanding, and application of the principles and techniques of strength and flexibility training. Students will be able to apply training techniques to individualized and specific sports or fitness programs. (2 lab)

PEAC 1294 - Beginning Yoga (1 credits)

This course combines physical activity beneficial movements and postures) with metal discipline (body awareness and regulated breathing). Students achieve, according to their abilities and commitment the following benefits: greater flexibility, regulated breathing, and heightened body awareness. (2 lab)

PEAC 1295 - Individual Exercise Programs (1 credits)

This course is designed to encourage individuals to assume responsibility for their health; to emphasize the uniqueness of each individual in planning for personal well being; and to provide a term-long experience in fitness assessment and development. (2 lab)

PEAC 1401 - Dance and Movement (1 credits)

This course emphasizes the fundamentals of dance for the stage. It focuses on technique, terminology, and the execution of the basic steps used to choreograph stage productions, as well as the discovery of movement in space and time. The class will attempt to touch on many forms of dance that could be used on the stage, such as jazz, modern and musical theatre.

PEAC 1410 - Beginning Ballet I (1 credits)

This course introduces the principles and practices of the classical art form of ballet. Beginning Ballet I will satisfy one hour of the physical education activity required at CWC. The transferability of the credit as a P.E. Activity is the responsibility of the accepting institution. (2 lab)

PEAC 1420 - Beginning Ballet II (1 credits)

Beginning Ballet II expands upon the principles and practices of the classical art form of ballet. This course will satisfy one hour of the physical education activity required at CWC. The transferability of the credit as a P.E. activity is the responsibility of the accepting institution. (2 lab)

PEAC 1450 - Beginning Tap Dance (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may be taken as PEAC 1401, PEAC 1410, PEAC 1420, PEAC 1430, PEAC 1440, PEAC 1460 or PEAC 1470 but a maximum of one credit will be allowed for graduation. (2 lab)

PEAC 1460 - Beginning Modern Dance I (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may be taken as PEAC 1401, PEAC 1410, PEAC 1420, PEAC 1430, PEAC 1440, PEAC 1460 or PEAC 1470 but a maximum of one credit will be allowed for graduation. (2 lab)

PEAC 1470 - Beginning Modern Dance II (1 credits)

This physical activities course is for men and women. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may be taken as PEAC 1401, PEAC 1410, PEAC 1420, PEAC 1430, PEAC 1440, PEAC 1460 or PEAC 1470 but a maximum of one credit will be allowed for graduation. (2 lab)

PEAC 2011 - Intermediate Swimming (1 credits)

This physical activities course is offered to provide instruction in development of intermediate/advanced skill. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. Prerequisites: applicable beginning level PEAC course or instructors permission. (2 lab)

PEAC 2018 - Water Safety (1 credits)

This physical activities course is offered to provide instruction in development of intermediate/advanced skill. A maximum of five Physical Education Activity credits is allowable towards an AA or AS degree. This course may not be offered each semester. Prerequisites: applicable beginning level PEAC course or instructors permission. (2 lab)

PEAC 2094 - Advanced Yoga (1 credits)

The course Advanced Yoga is designed to deepen the alignment principles taught in Beginning Yoga. The yoga postures will be refined to build strength and endurance. The practices of yoga breathing, or pranayama, and meditation will be emphasized to help establish a strong foundation for yoga practice that will promote physical health and mental well-being. (2 lab)

PEAT - PE: Varsity Activity

PEAT 2025 - Varsity Rodeo (1 credits)

This course is designed to prepare varsity rodeo athletes for competition. Emphasis is placed on improving and developing techniques needed to perform in the rodeo arena along with instruction in the interpretation of the rules regulating all rodeo events. Students must be active National Intercollegiate Rodeo Association (NIRA) members and participate in Central Rocky Mountain Region (CRMR) rodeos. Prerequisite: Instructor permission. (2 lab) (Max 4)

PEAT 2026 - Varsity Ranch Horse (1 credits)

This course is designed to prepare varsity ranch horse athletes for competition. The course will focus on improving and enriching the individual's knowledge and skills in the area of ranch horse. It will be a course for men and women to participate in an organized team sport on a collegiate level. Participation in these activities will not satisfy any general education requirements. Prerequisite: Instructor permission required. (2 lab) (Max 4)

PEAT 2171 - Club Soccer (1 credits)

Club Soccer activities are for enrollments only by members of athletic teams. Participation in these activities will not satisfy any general education requirements. (2 lab) (Max 4)

PEPR - P.E. Professional

PEPR 1230 - Cardio-Pulmonary Resuscitation (0.5 - 1 credits)

This course will focus on one person Cardio-Pulmonary Resuscitation (CPR) for adults, children, and infants, and techniques for handling victims of choking and airway obstructions. Students passing with a C or higher will receive American Red Cross certification cards. (1 lect.)

PEPR 2050 - Prevention and Care of Athletic Injuries (2 credits)

This course is designed to meet the Wyoming State Coaches' certification requirements and prepare coaches for the recognition and care for athletic injuries. (2 lect.)

PEPR 2093 - Sports Officiating: (1 - 2 credits)

This course covers the techniques and rules of sports officiating. Necessary principles and procedures are emphasized for the student to become an effective official for a variety of sports. Laboratory experience in officiating is provided. This course may be repeated for a maximum of six credits toward graduation. (1-2 lect., 2-4 lab) (Max 6)

PFDV - Professional Development

PFDV 1500 - Managing Career Development (3 credits)

This course focuses on career planning and workforce readiness. The student will explore careers and industries related to their program of study through job searches and career outlook analyses. The student will conduct self-assessment and personal development activities as well as examine the work environment, career path alternatives, job information sources, the job application process, and strategies for successful career management. (3 lect.)

PFDV 1551 - Leadership 1 (1 - 3 credits)

This course provides an introduction to professional leadership. Topics may include leadership qualities, styles and strategies, motivation, mentoring, communication, and management. A maximum of 3 credits may be applied toward graduation. (1-3 lect.) (Max 3)

PFDV 1552 - Leadership 2 (1 - 3 credits)

This course is a continuation of PFDV 1551 and provides additional training in professional leadership. Topics may include leadership qualities, styles and strategies, motivation, mentoring, communication, and management. A maximum of 3 credits may be applied toward graduation. (1-3 lect.) (Max 3)

PFDV 1555 - Team Building Challenge (1 credits)

This course demonstrates to students the advantages that a team has over an individual in productivity, solving problems, and achieving goals. The students' abilities to communicate, organize team responsibilities, work together to solve problems, and achieve goals will be put to the test on a challenge course. (1 lect.)

PHIL - Philosophy

PHIL 1000 - Intro to Philosophy (3 credits)

This is an introduction to philosophical problems of ethics, religion, epistemology, and metaphysics. Critical thinking skills will be developed through a study of elementary logic. Philosophical traditions of Eastern and Western cultures are compared. (3 lect.) ***HUM***

PHIL 2420 - Logic I: Critical Thinking (3 credits)

This course is designed to introduce students to basic principles of critical thinking and argument. Specifically, students will learn skills necessary for good critical thinking, sound argumentation and the evaluation of arguments. The course will show how critical thinking skills are related to other disciplines and fields of endeavor. (3 lect.)

PHTO - Photography

PHTO 2350 - Media Photography I (3 credits)

This course will focus on all aspects of journalism photography including the history and practical experience of media photography. Topics include advanced camera techniques, photo essay, newspaper and magazine photojournalism styles and current trends in digital media photography. Prerequisite: Completion of ART 1150 or ART 2145 or instructor's permission. (2 lect., 4 lab)

PHYS - Physics

PHYS 1050 - Concepts of Physics (4 credits)

This course is an introduction to various fundamental concepts, principles and applications of physics. Conceptual understanding, critical thinking, problem solving, the scientific method and the relationships among physics, technology and society are emphasized. Lecture and discussion will be integrated with laboratory explorations. The course is taught at the mathematical level of basic algebra. (3 lect., 3 lab) ***LSCI***

PHYS 1090 - Fundamentals of the Physical Universe (4 credits)

This course is designed to apply fundamental physical science principles to real life situations. Concepts in chemistry and physics are used to study the nature of science and the relationships between science and society. Topics include the scientific method, motion, energy, light, matter, electricity and magnetism, waves, atomic and molecular structures and chemical reactions. Primarily for elementary education majors (who should also enroll in EDEL 1440 concurrently or the following semester), this course may be used as a laboratory science course for other non-science majors. This course cannot be used as LSCI credit toward any A.S. degree in Science or Math. Students earning credit in PHYS 1090 may not earn credit in CHEM 1090. (3 lect., 3 lab) ***LSCI***

PHYS 1110 - General Physics I (4 credits)

This course is the first course in a two-semester sequence which provides an introduction to college physics without calculus. It is primarily designed for pre-medical, pre-dental, pre-optometry, pre-physical therapy, and other students requiring an insight into the physical world. Topics covered include Newtonian mechanics, thermodynamics and wave phenomena. Prerequisites: completion of or concurrent enrollment in MATH 1400 or higher. (3 lect., 3 lab) ***LSCI***

PHYS 1120 - General Physics II (4 credits)

This course is designed to follow PHYS 1110 and to complete the introduction to physics. Topics covered include electromagnetic theory, light and optics, and modern physics. Prerequisites: Completion of PHYS 1110 (3 lect., 3 lab)

PHYS 1310 - College Physics I (4 credits)

This course is the first in a two-course sequence which provides a calculus-based introduction to college physics. The course is designed for science and engineering students whose curricula demands a high level of sophistication. Topics covered include Newtonian mechanics, thermodynamics, and wave phenomena. Prerequisites: completion of or concurrent enrollment in MATH 2200. (3 lect., 3 lab) ***LSCI***

PHYS 1320 - College Physics II (4 credits)

This course is a continuation of PHYS 1310. Topics covered include electromagnetic theory, light and optics, and modern physics. Prerequisites: completion of PHYS 1310 or ES 2120. (3 lect., 3 lab)

POLS - Political Science

POLS 1000 - American and Wyoming Government (3 credits)

This introductory course meets the requirements of the Wyoming statute for providing instruction in the principles, processes, and structures of the U.S. and Wyoming constitutions and political systems. (3 lect.) U.S. and Wyoming Constitution

POLS 1006 - Student Government (1 credits)

This course is designed to give student government leaders a basic understanding of the political process while developing parliamentary procedure, leadership, budgetary, and ethical skills. Only students who are elected members of the student senate will be allowed to enroll. Course may be repeated up to four times applicable for graduation. S/U grading only. (1 lect.) (Max 4)

POLS 1016 - Intro to Political Science (3 credits)

This new course is designed to introduce students to the Social Science discipline of Political Science. Political Science is the study of politics, governance, political behaviors and cultures, institutions, and processes. The major sub-disciplines of Political Theory, Political Philosophy, Comparative/World Politics, International Relations, Public Administration, and American Politics are presented. Connections to other social science disciplines such as psychology and sociology are discussed through exploration of the cultural, psychological, sociological dimensions of politics, and political behavior. Monarchy, democracy, theocracy, socialism, communism, dictatorship, and other major political systems and movements, both in terms of political theory and through historical examples from multiple regions and countries are examined. (3 lect.)

POLS 1200 - Non-Western Political Cultures (3 credits)

The primary objective of this course is to give students an appreciation of non-western political cultures and how these cultures have created different political institutions, practices and worldviews. The course will include three or more case studies of states chosen from non-western regions: the Middle East, East Asia, South Asia, the former Soviet Union, Africa, and/or Latin America. (3 lect.) ***SOC***

POLS 2000 - Current Issues/American Gov't (3 credits)

A course designed to complement POLS 1000 American and Wyoming Government. The course seeks to take advantage of current issues in American Government. The following topics are included in the course: foreign and economic policy, the bureaucracy, civil rights and liberties, and Wyoming issues. Other topics of interest may be included. (3 lect.)

POLS 2055 - The Modern Middle East (3 credits)

This course provides a comprehensive introduction to the Middle East, its geography, recent history, politics, and culture. The course will approach the region from both thematic and regional perspectives, including coverage of such topics as Islam, pan-Arabism, nationalism, the Gulf Wars, Israel and Arab-Israeli conflict, the Turkic world, the Gulf States, Iran, the Kurds, and American involvement in the region. (3 lect.)

POLS 2128 - Terrorism (3 credits)

Students analyze the roots of terrorist activities throughout the world and discuss national, regional, and global effects of historical and recent terrorism. Global, regional and national effects of terrorism will be discussed. Students study emerging threats including: global activities, narco-terrorism, recruitment on the Internet, and genomic terroristic concepts. They progress from the analysis of terrorism to counterterrorism tactics, focusing on a global and worldwide response. This includes new concepts and innovations for the prevention and mitigation of terrorist attacks globally, regionally and nationally. (3 lect.)

POLS 2205 - Human Rights Theory & Practice (3 credits)

This course is a treatment of the powerful influence of the concept of human rights upon the historical and contemporary world. It includes the study of theoretical foundations, civil and political rights, social and economic rights, cultural relativism, the effects of globalization, the United Nations, the Universal Declaration of Human Rights, and human rights and foreign policy. (3 lect.)

POLS 2215 - Ethnic Conflict and Genocide (3 credits)

The focus of this course is inter-ethnic and national conflict. Theoretical topics will include issues of identity, race and ethnicity, and nationalism. The course will also address the body of literature on ethnic conflict and conflict resolution. Primary attention in the course will be devoted to the study of tragic ethnic conflict and genocide in the 20th century, including the Holocaust, soviet deportations and the GULAG system, Bosnia-Herzegovina, and Rwanda. (3 lect.)

POLS 2305 - Topics in World Politics: (1 - 3 credits)

This course provides for detailed study of issues in contemporary world politics. Specific course topics will vary each semester. Topics may include a regional area focus, such as the Middle East or a broader topical focus, such as terrorism. This course may be repeated for a maximum of 6 credits applicable for graduation. (1-3 lect.) (Max 6)

POLS 2310 - Intro to International Relations (3 credits)

This course is a survey of interactions in the global political arena. The course focuses on classic International Relations theories of national power and war. Specific units of study will address state sovereignty, terrorism, weapons of mass destruction, nonproliferation issues, global democracy, rogue states and failed states, intergovernmental organizations, transnational institutions and non-government organizations, human rights and international law, poverty and international development, environmental issues, and other issues of globalization. (3 lect.) ***SOC***

POLS 2315 - War and International Conflict (3 credits)

This course examines conflict and conflict resolution in context of international politics. This course will be based on a historical consideration of war, in its various forms, and other forms of conflict in the global political arena. Theories and means of conflict resolution, with emphasis on the negotiation processes and mechanisms of global governance, will constitute the second major focus of the course. Additionally, a topical theme may be emphasized, such as insurgency/counter-insurgency, nuclear proliferation/non-proliferation, protracted conflicts, state-sponsored terrorism, ethnic conflict, and others. (3 lect.)

POLS 2445 - World Politics Through Film (3 credits)

This course is an introduction to world political issues through the medium of film. The course first studies film as a political tool, i.e. as propaganda, featuring works such as Leni Riefenstahl's "Triumph of the Will", and Sergei Eisenstein's "Battleship Potemkin". Next, the course focuses on film as an expression of key world political issues such as fascism, communism, democracy, demagoguery, deterrence, ethnic conflict, genocide, and others. Assigned films will be accompanied by examples of the most important texts on each issue. (3 lect.)

PSYC - Psychology

PSYC 1000 - General Psychology (4 credits)

This course will study the neurological basis of behavior, motivation, emotions, perception, learning and thinking, individual differences, personality development, mental health, and the treatment of emotional illness. (4 lect.) ***SOC***

PSYC 1025 - Test Your Personality (1 credits)

This personality-primer course provides an avenue for students to determine underlying characteristics of themselves. A variety of standard and unorthodox tests will help provide students with questions psychologist are now trying to answer about personality: Where did you get your personality? Have you always been "you" or did you become "you" through environmental factors? Does your personality change under stress, or is there a core personality that carries you through all life's situations? (1 lect.)

PSYC 1250 - Human Potential Seminar (1 credits)

This is a personal group-based workshop designed to help the student become aware of their individual potential. The activities of the course are structured to help the student become more self-determining, self-motivating, and develop greater self-worth. (1 lect.)

PSYC 1380 - The Psychology of Death (1 credits)

Death is examined as both a psychological and physical process. Topics include and are not limited to personal attitudes and myths, cultural and religious rituals, death as a choice, death as entertainment in the media, superstitions, notions of an afterlife, near-death experiences, the evolutionary need for death, and euthanasia. (1 lect.)

PSYC 2000 - Research Psychological Methods (4 credits)

This course introduces the student to some of the methods of psychological inquiry. The student will study various research strategies from naturalistic observation to experiments. This course is writing intensive and requires the student to create written/oral reports. Prerequisite: Completion of PSYC 1000 (3 lect., 2 lab)

PSYC 2080 - Biological Psychology (3 credits)

This course introduces the biological bases of behavior. It includes ethnology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior, and evolutionary and behavioral genetics. The course presents basic structural and functional properties of the nervous system. Prerequisites: PSYC 1000 and BIOL 1010. (3 lect.)

PSYC 2100 - Psychology of Personality (3 credits)

This class is designed to introduce the student to the field of personality. The successful student will develop an understanding of the principles, strengths and weaknesses of the major personality theories. Particular attention is paid to the impact that society and culture have on the definitions and expression of personality. Prerequisite: Completion of PSYC 1000 (3 lect.)

PSYC 2130 - APA Writing Style (1 credit)

This course is designed for writers new to APA Style, which is the writing standard for psychology, education, criminology, sociology, and other social-science disciplines. The student will learn the basics of the current edition APA Style manual, draft research papers, locate scholarly research, and develop experiments on which to report. Prerequisite: Completion of ENGL 1010. (1 lect.)

PSYC 2210 - Drugs and Behavior (3 credits)

A survey of the drugs which affect behavior, emphasizing both psycho-therapeutic agents and drugs with abuse potential. Includes a brief introduction to the chemistry of the brain and the effects of drugs. Behavioral, social, historical, and medical aspects of each major class of psychoactive drugs will be discussed. (3 lect.)

PSYC 2300 - Psychology of Child Development (3 credits)

This course introduces psychological development, including age-related changes in thinking, emotion, and behavior. The student will survey major theories, methodologies, and empirical discoveries. The student will also explore development with emphasis on social, affective, and cognitive developments in childhood and infancy, and consider implications for policy and practice. Prerequisite: Completion of 4 credit hours of psychology. (3 lect.)

PSYC 2320 - Mental Wellness for Law Enforcement (3 credits)

Careers in law enforcement present unique psychological and social challenges. In this course, the student will explore the societal, organizational, systemic, operational, and personal stressors faced by many who work in law enforcement. The student will examine the effects of both chronic and acute stressors, including challenges to interpersonal relationships, substance use disorders, and post-traumatic stress disorder (PTSD). The student will also explore both maladaptive coping strategies, which can impair psychological and physiological health, and adaptive coping strategies, which can promote wellness and increase resiliency for themselves, their families, coworkers, and the law-enforcement community. A student earning credit in this course may not earn credit in CRMJ 2320. (3 lect.)

PSYC 2340 - Psychopathology (3 credits)

This course is an overview of psychological disorders, including anxiety, somatic, personality, mood, neurodevelopmental, substance use, neurocognitive, and trauma disorders. Topics of emphasis include diagnostic criteria, etiology, and treatment. Prerequisite: Completion of PSYC 1000. (3 lect.)

PSYC 2360 - Anxiety and Stress Disorders (3 credits)

This course explores the vast array of fear-related mental illnesses. Students will discover how these disorders stem from an overactive limbic system, and how cognitive functions are impaired by fear, trauma and stress. Prerequisite: Completion of PSYC 1000 or instructor's permission. (3 lect.)

PSYC 2380 - Social Psychology (3 credits)

The psychology of human interaction-socialization, attitudes, group processes, communications, and social influences are covered. Prerequisite: Completion of four credit hours in PSYC courses, or instructor's permission. (3 lect.)

PSYC 3110 - Cross Cultural Psychology (3 credits)

This course explores the basic tenets of psychology from a cross-cultural perspective. Topics include research methods, cognition, sensation and perception, intelligence emotion, psychopathology, human development, motivation, and social perception and interaction. The student will examine, discuss, and evaluate theories of bias and sociocultural, global and equity contexts. (3 lect.) ***SOC***

PSYC 3200 - Industrial Organizational Psychology (3 credits)

Industrial Organizational (I/O) Psychology is the scientific study of human behavior in organizations and the workplace. The student will explore individual, group, and organizational behavior, and apply this knowledge to solve problems and improve performance in organizations and businesses. (3 lect.)

PWRS - Power Sports

PWRS 1500 - Power Sports Maintenance and Tune-Up (3 credits)

This course focuses on motorcycle, ATV, and snow machine maintenance and tune- up procedures. The course covers maintenance procedures such as oil and filter changing, valve adjustment, carburetor synchronization, and timing adjustment for power sports vehicles. Emphasis will be placed on tuning the entire vehicle to achieve maximum performance. The course will include instruction in special tool use, interpretation of factory manuals, manipulation of parts and pieces on vehicles, proper shop documentation of repairs, and safety precautions. The student will be required to provide a project power sports vehicle, hand tools, and personal safety equipment (1 lect., 2 lab)

RELI - Religion

RELI 1000 - Introduction to Religion (3 credits)

This course introduces students to the study of religion and theological inquiry. Through a variety of sources, students explore the meaning of religion in personal and cultural life and examine different perceptions of the sacred. Students learn to use critical reflection on religion and its place in culture. The objectives of the course are to develop knowledge and understanding of what religious worldview is, and to develop the skill to articulate and evaluate various worldviews of religion, including their own. (3 lect.) ***HUM***

RELI 2225 - History of Christianity (3 credits)

This course is a survey of Christianity from Jesus and Paul to today. Political, social, and theological issues are stressed. Christian history is studied through readings, lecture, video, and some internet resources. Special emphasis is given to events in Western Europe and the United States. Students receiving credit for RELI 2225 may not receive credit for HIST 2225. (3 lect.) ***HUM***

RELI 2320 - History of Islam (3 credits)

This course will focus on the origins of Islam and its early formation, its growth and spread across the world, and its intellectual, spiritual and historical character. Time will also be spent on the formation of Islam in the modern world and how that impacts the views and actions of its members. Students receiving credit in HIST 2320 may not also receive credit in RELI 2320 towards graduation. (3 lect.) ***HUM***

REWM - Rangeland Eco Water Mgt

REWM 1000 - Intro to Range Management (1 credits)

This course introduces students to the basic concepts of range and natural resource management. The course is designed to give students the opportunity to explore various land management and natural resource careers. (1 lect.)

REWM 1300 - Intro to Water Resources (3 credits)

This is an introductory course offering a foundation in water resources. The course will emphasize basic hydrological principles, characteristics of ground and surface water, watersheds, and water quality. Contemporary issues surrounding water use, the future of the Earth's water and the role of governing bodies in managing water resources will also be discussed. Prerequisites: Completion of MATH 0920, MATH 0923 or equivalent. (3 lect.)

REWM 2000 - Principles of Rangeland Management (3 credits)

This course introduces students to Range Management systems of grazing and grazing capacity, livestock grazing management, and methods of measuring forage use, as well as rangeland rehabilitation and maintenance. Students are instructed on the use and application of available technologies including a range management simulation exercise. (3 lect.)

REWM 2500 - Rangeland Plant Identification (2 credits)

This course addresses the plants and rangelands of the United States with emphasis on those found in the Western U.S. The course emphasizes the importance of range plants and their relationship with various rangeland ecosystems. Students study different rangeland climates, soils, and vegetation. Students identify rangeland plants by their common names, scientific names, and family or tribe. Prerequisite: Completion of REWM 2000. (1 lect., 2 lab)

SDEV - Software Development

SDEV 1000 - Software Development Skills I (3 credits)

This course introduces the basic skills of professional practice and ethics in software development. The student will be introduced to industry standard tools, techniques, and practices for team and software management. The student will use online resources in their work while reflecting on various approaches to problem solving. The student will work in teams in the context of realistic software projects. (3 lect.)

SDEV 1100 - Software Development Skills II (3 credits)

Building on the content in Software Development Skills I, this course further develops the student’s professional software development skills. This includes basic project management, extensive reflection on the notion of code quality, and developing skills and knowledge relating to the use of a range of industry-standard software development tools. This course includes technical knowledge which does not fit neatly into other courses. This course builds on the context and experiences of the problems tackled through this semester. Prerequisites: Completion of SDEV 1000. (3 lect.)

SDEV 1200 - Programming Python (3 credits)

This course introduces the student to the professional practice of programming. Through the study of object design and efficient, comprehensible procedures, this course explores algorithms, graphics, human-computer interfaces, and the social implications of computing. Given a variety of problems, the student will analyze, design, implement, and test solutions utilizing a contemporary programming language and open-source software components. Prerequisites: Completion of COSC 1010 and SDEV 1000, and completion or concurrent enrollment in SDEV 1100. (3 lect.)

SDEV 2100 - Mobile Development (3 credits)

In this course, the student will develop an understanding of the core fundamentals of how to develop mobile applications (e.g., for the Android platform). They will build upon their software development skills gained from other classes. Prerequisites: Completion of SDEV 1200 and COSC 2050. (3 lect.)

SDEV 2150 - Agile Project Management (3 credits)

This course provides the student with the techniques of agile project management using common industry frameworks as applied to the delivery of a real-world software project in collaboration with an external client. The student will gain exposure to project management with hands-on experience developing user stories, breaking down tasks, and managing product and sprint backlogs. The student will also participate in planning, daily scrum, product review, and retrospective meetings to continuously inspect and adapt their working practices. The student will examine a range of other agile and non-agile software development methodologies, and how a variety of public and private organizations use agile methods to develop products and services. Prerequisites: Completion of SDEV 1100 and SDEV 1200. (3 lect.)

SDEV 2200 - Secure Software (3 credits)

This course presents the students with issues and solutions surrounding web-application, database, and network security. The course provides hands-on experience with a wide range of security countermeasures in web-applications. This includes establishing secure connections, securing a database, and conducting penetration testing. Business perspective on security and risk assessment are addressed, as well as domain-relevant legislation and regulations. Prerequisites: Completion of SDEV 1200 and COSC 2050. (3 lect.)

SDEV 2250 - Web App Client Frameworks (3 credits)

This course provides the student with exposure to several alternative frameworks, languages, and tools used in the development of web applications. Aspects of commercial software that will be explored include reliability, availability, maintainability, and usability of a rich user interface experience. The student will gain hands-on experience working with frameworks and be able to compare alternative approaches. Prerequisites: Completion of SDEV 1200 and COSC 2050, and completion of or concurrent enrollment in INET 2010. (3 lect.)

SDEV 2300 - Development and Operational Practices (3 credits)

This course provides the student with the techniques of continuous integration (CI) and continuous delivery (CD) as applied to a real-world software project in both development and operational practices (DevOps). The student will gain an awareness of CI and CD with hands-on experience of a range of virtualization platforms. Automation will be applied to the compilation, testing, inspection, and deployment of software systems. Prerequisites: Completion of SDEV 1200 and COSC 2050. (3 lect.)

SDEV 2395 - Software Development Capstone (3 credits)

The student will synthesize and demonstrate skills and knowledge from previous software development coursework. The student will participate in an individual or group class project requiring problem formulation, requirements gathering, design, implementation, documentation, and delivery of a web/desktop/mobile application that solves a real-world problem. The student will engage with industry partners from initial interview through presentation of final project. Prerequisites: Completion of INET 2010 and SDEV 2150, and completion of or concurrent enrollment in SDEV 2200 and SDEV 2300. (3 lect.)

SHOS - Shoshone Language

SHOS 1010 - Shoshone Language I (4 credits)

This is an introductory course in which students learn the linguistic and phonetic system of speaking and writing the Shoshone alphabet, sounds and cultural understanding of the Wind River Shoshones will be the primary emphasis. (4 lect.)

SHOS 1020 - Shoshone Language II (4 credits)

This course builds on the phonics and pronunciation skills of Shoshone Language I. Emphasis is on conversation and writing. History, stories and legends of the Wind River Shoshones is used to teach the language. The class uses the Total Physical Response (TPR) method of language learning. Prerequisite: Completion of SHOS 1010. (4 lect.)

SHOS 2030 - Shoshone Language III (4 credits)

This is a continuation of Shoshone Language II. Emphasis is on conversation and writing using both linguistic and phonetic skills. History, stories and legends of the Wind River Shoshones is used to teach the language. Students at this level will converse with Shoshone elders and peers, as well as read and write Shoshone. Prerequisite: Completion of SHOS 1020. (4 lect.)

SHOS 2040 - Shoshone Language IV (4 credits)

This is a continuation of Shoshone Language III. Students at this level focus on becoming Shoshone language teachers, Prerequi-site: Completion of SHOS 2030. (4 lect.)

SOC - Sociology

SOC 1000 - Sociological Principles (3 credits)

This course examines basic sociological concepts and methods such as socialization, norms, social differentiation, groups, institutions, social change, collective behavior, and deviation. (3 lect.) ***SOC***

SOC 1100 - Social Problems (3 credits)

This course explores and applies basic sociological concepts and methods of identifying, defining and analyzing selected social problems and issues, such as inequality in its various manifestations, crime and violence, alcohol and drug abuse, violence, war and terrorism. (3 lect.) ***SOC***

SOC 1380 - Death & Dying (3 credits)

This course explores the issues and problems associated with our contemporary encounter with death. As the manner, place and circumstances of death have changed, so have our attitudes toward death and dying. Death will be viewed from the perspectives of literature, law, medicine, psychology, religion, secular culture and business. (3 lect.)

SOC 2335 - Victims of Violence (3 credits)

This course focuses on the issues of domestic assault, family violence, child abuse and neglect, sexual assault, and other victims of violence. Dynamics of the various forms of abuse are examined. How abuse affects people psychologically, and how people heal from the effects of abuse are also examined. Legal issues are explored as well. (3 lect.)

SOIL - Soil Science

SOIL 2010 - Introduction to Soil Science (4 credits)

Introductory course in soil science focused on soil physical, chemical and biological properties. Topics include soil and plant interactions, water and nutrient cycling in soils, soil microclimate, soil water content management and plant interactions, soil organisms, microbial processes, mineral nutrients, soil acidity and salinity, soil degradation, and soil taxonomy in the terrestrial ecosystems common to agricultural production. An overview of soil usage for non-agricultural purposes is discussed. (3 lect., 3 lab)

SOWK - Social Work

SOWK 1460 - Social Work Field Experience I (4 credits)

This 96-hour supervised field experience is designed to give the student an opportunity to integrate previous academic learning with practical experiences in a social work setting. The course introduces social work and social welfare through volunteer placement with an agency providing services to individuals or groups. A weekly seminar, in addition to the agency hours worked, is required. (1 lect., 6 lab).

SOWK 2000 - Introduction to Social Work (3 credits)

This is an introductory course required of all Social Work Students, but also appropriate for students interested in the field of Human Services. The course is designed to present the profession of social work as well as provide an understanding of social welfare programs as part of our country's social system. (3 lect.)

SOWK 2405 - Ethics for the Social Work Profession (3 credits)

This course explores professional organizations and codes of ethics in the social work field and other helping professions. Issues concerning due process, least restrictive environment, right to treatment, multiple relationships, client advocacy, value clarification, and professional responsibility will be examined. The student will analyze case studies with the professional standards. (3 lect.)

SOWK 2460 - Social Work Field Experience II (4 credits)

This course is a continuation of SOWK 1460 for a 96-hour supervised field experience designed to give the student an opportunity to integrate previous academic learning with practical experiences in a social work setting. The course integrates social work concepts with social welfare through volunteer placement with an agency providing services to individuals or groups. A weekly seminar, in addition to the agency hours worked, is required. Prerequisites: Completion of SOWK 1460. (1 lect., 6 lab)

SOWK 2461 - Social Work Field Experience III (4 credits)

This course is a continuation of the SOWK 1460 and SOWK 2460. This 96-hour supervised field experience is designed to give the student an opportunity to integrate previous academic learning with practical experiences in a social work setting. The student will evaluate areas of social work and social welfare through volunteer placement with an agency providing services to individuals or groups. A weekly seminar, in addition to the agency hours worked, is required. Prerequisites: Completion of SOWK 1460 and SOWK 2460. (1 lect., 6 lab)

SPAN - Spanish

SPAN 1000 - Spanish for Safety Supervisors (2 credits)

This course is an introduction to Spanish specifically designed for supervisors and other employees who may work with Spanish-speaking personnel. The course covers basic instruction in both spoken and written Spanish and offers students the foundation required to communicate with Spanish-speaking co-workers. Course content will include the phrases and vocabulary required to communicate in a workplace environment.

SPAN 1010 - First Year Spanish I (4 credits)

The fundamental skills of the language are studied through a grammatical and conversational approach. Emphasis is placed on developing speaking, listening, writing and reading skills. Primarily for those with no previous language experience. (4 lect.)

SPAN 1020 - First Year Spanish II (4 credits)

This course is a continued study of the basic language skills with additional emphasis on writing, speaking and reading. Prerequisite: Completion of SPAN 1010 or two years of high school Spanish or equivalent. (4 lect.)

SPAN 2030 - Second Year Spanish I (4 credits)

There are readings from novels, short stories, and other sources, as well as a review of grammar principles and speaking skills in this course. Prerequisites: Completion of SPAN 1020 or two years of high school Spanish or equivalent. (4 lect.)

SPAN 2140 - Intro to Reading (3 credits)

This course introduces the literature of Spanish authors. Analysis of literary types and concepts is studied. Emphasis is on reading, speaking and writing skills. Prerequisite: Completion of SPAN 2030 or three years of high school Spanish. (3 lect.)

STAT - Statistics

STAT 2000 - Statistics and the World (3 credits)

The student will discuss statistical reasoning and methods related to today's society. Interpretations are emphasized, rather than calculation techniques. The focus is on real examples and the use and misuse of statistics. The student will study sampling, experimentation, descriptive statistics, elementary probability, and statistical inference. Prerequisite: Completion of MATH 0920, or test into MATH 1000 or higher. (3 lect.)

STAT 2050 - Fundamentals of Statistics (4 credits)

An introductory course to help the student use statistical methods with understanding. Topics include descriptive statistics (organizing and describing data) designs for producing data, and statistical inference (drawing conclusions from data). Statistical software is used, therefore, computer literacy is recommended. The student earning credit in STAT 2050 may not earn credit in STAT 2070. Prerequisite: Completion of MATH 1000, or MATH 1400. (4 lect.)

STAT 2070 - Intro Statistics for the Social Sciences (4 credits)

The goal of this course is to present the central ideas of descriptive statistics and statistical inference, as applied to questions in the social sciences. Topics include graphs, averages, sampling, estimation, hypothesis-testing, and relationships between variables. Associated computer skills will also be introduced. Students earning credit in STAT 2070 may not earn credit in STAT 2050. Prerequisite: Completion of MATH 1000 or MATH 1400. (4 lect.)

TECH - Technology Exploring

TECH 1500 - Vocational Exploring I (3 credits)

This exploratory course provides students an opportunity to sample coursework in various industrial/trade areas in CWC's Industrial Technology Department. Students are encouraged to select a program of study based on their experiences in this course. The course is made up of three units. Each unit is five weeks in length and is designed to provide students with useful skills and an overview of a career choice. (1 lect., 2 lab)

THEA - Theatre

THEA 1000 - Intro to Theatre (3 credits)

This theater appreciation course is intended for students with little or no theater experience. Through hands-on creative projects students will explore the processes of acting, directing, designing, and playwriting while examining historical and contemporary plays and production styles (2 lect., 2 lab) ***ARTS***

THEA 1040 - Production Crew I (0.5 credits)

This course encompasses practical training in backstage production. The student will learn job duties and headset etiquette and will participate in being a member of the crew for a theatre production at CWC. Crew responsibilities might include, but are not limited to, assistant stage manager, light board operator, stagehand, properties master, costume crew, and electrician. (.5 lect.)

THEA 1100 - Acting I (3 credits)

This course is designed for beginning actors with little or no experience. The student is given a foundation in the Stanislavski system of acting with an emphasis on the inner processes of the actor. The student will rehearse and perform a variety of realistic acting exercises. (3 lect.) ***ARTS***

THEA 1700 - Voice for the Actor (2 credits)

This course is a practical introduction to the methods and principles aimed at developing comfortable, efficient, and effective use of the voice for stage performance. Coursework will focus on breath support, relaxation, vocal health, projection, enunciation, expressiveness, vocal variety and flexibility. In addition, students will begin work on eliminating regional dialects and vocal defects such as breathiness, harshness, and nasality, with the goal of attaining Standard American Speech. This course will be helpful to anyone who engages in public speaking. (2 lect.)

THEA 2005 - Creative Dramatics (3 credits)

This is a course in the use of creative dramatics as an enrichment and teaching tool. It is focused for elementary and secondary educators, recreation directors, preschool instructors, and all who work in social services. Creative dramatics will be examined as a performance art that is valuable in its own right as well as a means for accomplishing a variety of educational and child developmental objectives. This course has been designed in accordance with the Wyoming State and National Standards for the Arts. (3 lect.) ***ARTS***

THEA 2010 - Theatrical Backgrounds Drama I (3 credits)

This course provides a foundation in western drama from classical Greece through the Renaissance. Selected plays will be examined within their historical and cultural contexts and in relation to developments in theatre architecture, acting, directing, and design. THEA 2010 and THEA 2020 may be taken out of sequence. (3 lect.) ***HUM***

THEA 2020 - Theatrical Backgrounds Drama II (3 credits)

This course provides a foundation in western drama from the Seventeenth century through the Post-modern period. Selected plays will be examined within their historical and cultural contexts and in relation to developments in theatre architecture, acting, directing, and design. THEA 2010 and THEA 2020 may be taken out of sequence. (3 lect.) ***HUM***

THEA 2030 - Beginning Playwriting (3 credits)

This course introduces students to the craft of playwriting through the analysis of plays, the completion of writing exercises, and the writing and revising of a one-act play. Selected scripts will be produced by the Theatre Department. (3 Lect.)

THEA 2040 - Production Crew II (0.5 credits)

This course increases practical training in backstage production. The student will learn advanced job duties. Students in this course will participate in being a member of the crew of a theatre production at CWC as well as mentor students in THEA 1040. Crew responsibilities might include, but are not limited to, assistant stage manager, properties master, wardrobe manager, and master electrician. Prerequisite: THEA 1040. (.5 lect.)

THEA 2055 - Rehearsal and Performance (1 credits)

This is an open entry/open exit course. Students must be cast in a CWC production to enroll. Students will acquire practical experience in the rehearsal process and the creation of a role. Special emphasis is placed on professional conduct. Course may be repeated for a maximum of 3 credits applicable toward graduation. (2 lab) (Max 3)

THEA 2100 - Acting II (3 credits)

This course emphasizes the actor's voice and movement in character development. The course is based on varied character and scene study work as well as improvisation and textual analysis. Prerequisites: Completion of THEA 1100. (3 lect.)

THEA 2160 - Stage Make-Up (2 credits)

Stage Makeup is a beginning course designed to instruct students in the correct use of makeup for the stage. This will include 2-dimensional, 3-dimentional, and prosthetics. (1 lect., 2 lab)

THEA 2220 - Stagecraft (3 credits)

This is a concentrated course in the theories and techniques of planning, building and handling stage scenery, lighting, and proper-ties. It includes practical laboratory work with CWC productions. (2 lect., 2 lab)

THEA 2405 - Theatre Seminar (3 credits)

Students will develop their critical reading, analytical, research, and academic writing skills as it pertains to theater. Students will learn to find information from diverse sources and evaluate it in terms of relevance, accuracy, reliability, and bias. They will learn to separate facts from inferences, to synthesize multiple perspectives, and to analyze their own and other's assumptions. they will produce a significant research paper, using appropriate documentation. (3 lect.)

THEA 2470 - Directing Practicum (1 credits)

This course provides students with guided practice in the basic skills of directing for the stage. Through the production of a one-act play, students will learn the fundamentals of play selection, research and analysis, developing a ground plan, casting, creating a rehearsal schedule, blocking, and working with actors. Prerequisite: Completion of THEA 1100. (1 lect.)

THEA 2720 - Intro to Stage Combat (2 credits)

This course provides the opportunity to learn and practice the basic techniques used in staging unarmed, rapier and dagger, broadsword, and quarterstaff fight scenes. The final project is the analysis, choreographing, and performance of a fight scene form a play, with emphases on safety and acting the fight. (2 lect.)

TTD - Truck Trailer Driving

TTD 1500 - Novice CDL Training (5 credits)

The course is designed for the student with minimum or no previous driving experience in heavy truck or tractor/trailer combinations. The student will receive training in basic truck driving knowledge and skills, Department of Transportation (DOT) Rules and Regulations, maintaining a logbook, trip planning, and CDL test preparation. In addition, the student will receive a minimum of 20 hours of individualized behind the wheel heavy truck tractor/trailer driving instruction. Prior to enrolling in the course the student must have a commercial driving permit, must pass drug-screening tests, and must possess the physical abilities necessary for the truck driving industry. The student must pass the CDL-A test in order to successfully complete the course. Training requirements are set forth in the Federal Motor Carrier Safety Regulation for entry-level driver training in accordance with 49 CFR 380 503. S/U grading only. (2 lect., 6 lab)

UNST - University Studies

UNST 1000 - Orientation to College (3 credits)

This course will provide students with the opportunity to take responsibility for their education and give them specific tools to be successful. This course will enable students to identify resources, policies, and career planning tools that will help them during their college career. Additionally, this course will help students understand their learning styles, CWC policies, and personal goals. (3 lect.) ***UNST***

UNST 1005 - Student Success Course (1 credits)

This course is designed to help the student learn and improve skills and strategies that are essential to academic success. This course will enable the student to understand their learning styles and personal goals, and to identify career planning tools that will help them during their college career. Through activities, application, and reflection, the material covered in this course should support and assist the student in other courses. (1 lect.) ***UNST***

WELD - Welding

WELD 1555 - Welding Technology Safety and Problem Solving (2 credits)

This course is an introduction to industrial safety and health and emphasizes PPE (personal protective equipment), chemical safety, tool safety, safe materials handling, machine safety, electrical safety, basic fire protection, health protection, and safe work practices, OSHA (Occupational Safety and Health Administration), MSHA (Mine Safety and Health Administration), and other regulations, as related to various occupational hazards, are also discussed. (2 lect.)

WELD 1610 - Basic GMAW (MIG) (2 credits)

This course will introduce the student to the theory and operation of the Gas Metal Arc Welding (GMAW) process. Welds will be created using solid wire electrodes and a blend of Argon/Carbon Dioxide shielding gas. This course will introduce the basic GMAW procedures required to produce quality welds. This course would be ideal for those seeking a basic knowledge and understanding of the GMAW process for various applications such as industrial, automotive, home, or hobby art. (1 lect., 2 lab)

WELD 1650 - Print Reading and Welding Symbols (3 credits)

This course provides training on how to read and draw basic welding blueprints. This course will also provide training in the American Welding Society (AWS) standard welding symbols and how they are used and interpreted on a welding blueprint or shop drawing. Major topics include: Orthographic Views, Standard Drawing Lines, Dimension Lines, Introduction to the Reference Line and Arrow, the term Welding Symbol and WELD Symbol and Basic Math for welders and fitters. (3 lect.)

WELD 1710 - Oxyacetylene Welding and Cutting (2 credits)

This course is an introduction to Oxyacetylene Welding (OFW), Oxyacetylene Braze Welding (OFB), Oxyacetylene Cutting (OFC), Plasma Arc Cutting (PAC), Safety In the Welding Shop, and general shop tool use. This course provides training to develop the basic skills necessary for OFW, OFB, OFC, and PAC. All welding and cutting will be done on 1/8" sheet metal up to 1" plate. There is an emphasis on safety in the welding environment. (1 lect., 2 lab)

WELD 1750 - Basic Shielded Metal Arc Welding (2 credits)

This course provides training in Basic Shielded Metal Arc Welding (SMAW) to develop the entry level skills necessary to make quality welds on carbon steel plate. Topics include safety in the welding profession and operating shield metal arc welding equipment. The student will properly set up SMAW equipment, and study filler metal selection, welding polarity and amperage, and basic joint design. (1 lect., 2 lab)

WELD 1760 - Advanced Shielded Metal Arc Welding (4 credits)

This course provides training in Shielded Metal Arc Welding (SMAW) to develop the skills necessary to produce high quality welds on carbon steel. Topics of study include; Safety in the Welding Industry, Electrode Specification and Classification, Multiple Pass Fillet Welds, V-Grooves with Backing and Open V-Groves in all positions. Prerequisite: Completion of WELD 1610, WELD 1710, and WELD 1750. (2 lect., 4 lab)

WELD 1770 - Gas Metal Arc Welding / Flux Cored Arc Welding on Plate (4 credits)

The student will be introduced to the use of Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) on plate. Topics include modes of metal transfer, electrode identification, power sources, troubleshooting techniques, set-up, and operation. The course projects enable students to advance their Gas Metal Arc Welding and Flux Cored Arc Welding skills on plate. All projects are graded using the D1.1 Structural Welding Code - Steel and the AWS B2.1 Specification for Welding Procedures and Performance Qualification. Prerequisite: Completion of WELD 1610, WELD 1710, and WELD 1750. (2 lect, 4 lab)

WELD 1780 - Gas Tungsten Arc Welding on Plate (3 credits)

This course provides training in Gas Tungsten Arc Welding (GTAW) to develop the skills necessary to provide high quality welds on carbon steel and stainless steel plate. Topics of study include: safety in the welding industry, electrode specification and classification, multi-pass fillet welds, V-grooves with backing, and open V-grooves in all positions. Prerequisite: Completion of WELD 1610, WELD 1710, and WELD 1750. (1 lect. 4 lab)

WELD 1860 - Welding Fabrication (3 credits)

This course provides training to develop the necessary skills for welding layout and fabrication. The student will be required to fabricate several small projects for grade using the techniques taught in this course. The student will be required to use a complete set of blueprints and shop drawings interpreting all the appropriate American Welding Society's (AWS) standard welding symbols and special notations. Projects will be fabricated to close tolerances stated on the blueprint. Major Topics include: Safety and Health of the Welder/Fabricator in the welding industry, use of mathematical equations to layout branch patters for pipe and the proper use and care of small hand tools used the layout and fabrication of the structure steel. (1 lect., 4 lab)

WELD 1935 - CNC Plasma Cutting (3 credits)

This course provides training using a Computer Numeric Controlled (CNC) Plasma Cutting Table to develop the skills necessary to make high quality programmed cuts on carbon steel plate. Topics include: Safety and Health in the Fabrication Shop, Computer Aided Design (CAD), Computer Aided Manufacturing (CAM), and plasma cutting. The student will have the opportunity to program and cut out parts for the manufacturing sector as well as spend time making custom signs and artwork. (1 lect., 4 lab) ***IT***

WELD 1975 - Independent Study - Welding (1 - 3 credits)

This course is designed as an open-entry/open-exit course to assist welders who have sufficient background to update their welding skills following a mutually agreed upon education plan. This course may be repeated for a maximum of 6 credits applicable toward graduation. Prerequisite: Contact the instructor for a skill level placement test for admittance into the course. (2 lab, 4 lab, or 6 lab) (Max 6)

WELD 2510 - Pipe Welding 1 (4 credits)

This course provides pipe weld training using Shielded Metal Arc Welding (SMAW) process to develop the skills necessary to produce high quality welds on carbon steel pipe. Topics include: safety and health of welders in the pipe industry, review of oxyacetylene torch cutting, proper setup and use of pipe beveling equipment, and the use of mathematical equations to layout branch patters for pipe. Prerequisite: Completion of WELD 1610, WELD 1710, and WELD 1750. (2 lect., 4 lab)

WELD 2610 - Ornamental Iron Work (2 credits)

This course introduces the student to various techniques in creating ornamental metal projects. The student will learn the proper use of all welding equipment as well as various surface treatments for metal. Emphasis will also be on the students' creative ability to produce a final project. All material needed for special effects and fabrications are to be furnished by the student. Prerequisites: Completion of WELD 1550 and WELD 1610 or instructor's permission. (1 lect., 2 lab)

WELD 2650 - Gas Tungsten Arc Welding Pipe (4 credits)

This course provides training in Gas Tungsten Arc Welding (GTAW) to produce quality welds on carbon steel pipe. The student will weld on 8-inch, schedule 40 pipe in the 1G, 5G, and 6G positions. The student will weld the pipe coupons with ER 70S-2 welding rod. The student will also weld a combination weld using ER 70S-2 and E 7018. For this welded coupon both GTAW and Shielded Metal Arc Welding (SMAW) welding process will be used. All submitted welded coupons will be destructive tested to The American Welding Society pipe standards using the bending machine in the lab. (2 lect., 4 lab)

WELD 2655 - Gas Metal Arc Welding / Flux Cored Arc Welding on Pipe (4 credits)

This course introduces the student to Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) on pipe. Topics include modes of metal transfer, electrode identification, power sources, troubleshooting techniques, set-up, and operation. The course projects enable the student to advance their Gas Metal Arc Welding and Flux Cored Arc Welding skills on pipe. All projects are graded using the AWS B2.1 Specification for Welding Procedures and Performance Qualification. Prerequisite: Completion of WELD 1610, WELD 1710, and WELD 1750. (2 lect, 4 lab)

WELD 2670 - Welding Inspection Technology (3 credits)

This course provides training in the field of Welding Inspection. This course has been designed to meet the inspections standards established by the American Welding Society (AWS) for an individual to become a Certified Welding Inspector (CWI). The importance of quality control is thoroughly examined throughout the course. Prerequisites: Completion of WELD 1610, WELD 1710, and WELD 1750. (3 Lect.)

WELD 2680 - Welding Metallurgy (3 credits)

This course introduces the student to the effects of welding and heat treating on carbon steel. The student will assess the chemical, mechanical and physical properties of carbon steel and the importance of controlling all three properties while making a quality weld. Prerequisite: Completion of WELD 1610, WELD 1710, and WELD 1750. (3 Lect.)

WELD 2700 - Welding Certification (Plate) (2 credits)

This course is designed to prepare individuals for the requirements necessary for AWS structural steel certification. The Structural Steel Certification Test must be administered by a qualified AWS Certified Weld Inspector. For students who choose to take the Structural Steel Certification Test, a separate charge for administering the welding certification will be assessed by the AWS CWI. Prerequisites: Sufficient welding background to pursue testing according to industry codes. Contact the instructor for a skill level placement test for admittance into the course. This is an eight-week course. (4 lab)

WELD 2710 - Welding Certification (Pipe) (2 credits)

This course is designed to prepare students for pipe welding certification. An AWS Certified Weld Inspector will instruct and monitor students' pipe welds to meet pipe welding certification standards. The Pipe Welding Certification test must be administered by a qualified AWS Certified Weld Inspector. For students who choose to take the pipe certification test, a separate charge for administering the Pipe Welding Certification will be assessed by the AWS CWI. Prerequisites: Sufficient welding background to pursue testing according to codes. Instructor's permission required. (8 week course) (4 lab)

ZOO - Zoology

ZOO 1200 - Human Biology (3 credits)

This course is a survey course in Human Biology. The course emphasizes the basic concepts necessary for a fundamental understanding of all the human body systems. This course introduces students to basic anatomical terms and their spelling, as well as symptoms and disease processes associated with each body system including nervous, endocrine, reproductive, cardiovascular, respiratory, urinary, digestive, musculoskeletal, and integumentary. (3 lect.)

ZOO 2015 - Human Anatomy (4 credits)

This course is a study of human structure in terms of its microscopic and gross anatomy. It is designed to provide students with an adequate background to study human function in ZOO- 2025; Human Physiology, but will also serve as a human anatomical study for students majoring in Nursing, Physical Education, Athletic Training, Health Science or Biological Science. A laboratory is included where human cadavers will be studied and dissected when available. Otherwise, the cat will serve as the dissection specimen. Prerequisite: BIOL 1010 recommended, but not required. (3 lect., 3 lab)

ZOO 2025 - Human Physiology (4 credits)

Each human organ system will be studied in terms of its functional anatomy and physiology. Integration and control of physiological processes will be emphasized to give students a practical working knowledge of such processes as digestion, nervous transmission, cardiac and circulatory function, respiration, muscle con- traction, reproduction, and excretion. The laboratories will include experiments utilizing the most modern computer data acquisition equipment to acquire and analyze electrocardiograms, respiratory function tests, and muscle physiology. Techniques will be learned for determining blood pressure, blood count, complete blood count parameters, urinalysis, vision, hearing body composition, and cardiovascular fitness. The chemistry of digestion will be studied in the laboratory. It is recommended, but not required, that students successfully complete ZOO 2015 before taking ZOO 2025. Prerequisite: Completion of BIOL 1010, ENGL 1010, and test into MATH 1000 or higher. (3 lect., 3 lab)

ZOO 2140 - Cadaver Anatomy (2 credits)

This course involves dissection of human anatomical donors for the purpose of studying human anatomy at the macroscopic level. The lecture portion of the course builds upon the principles of anatomy acquired in previous coursework. In the laboratory portion of the course, the student will learn basic dissection techniques and will apply them to the dissection of a human anatomical donor. The course is regionally organized so that the primary focus is on the thorax, abdominal and cranial regions. Extremity, back and pelvic prosections will be studied. Prerequisites: Successful completion of ZOO 2015, ZOO 2025 or instructor permission. This course may be repeated for up to four credits on different topics. (1 lect., 3 lab)

GENERAL EDUCATION REQUIREMENTS

Below are courses listed by General Education Requirements for the Fall 2025/Spring 2026 semesters. This list can be added to or subtracted from as curricular changes are made. See your advisor or consult specific programs of study in this catalog for details.

Requirements

Writing Level I: WR1

ENGL 1010	English Composition I	3
ENGL 1210	Engcomp I - International Student	3

Writing Level II: WR2

BADM 1020	Business Communications	3
COMM 2100	Media Writing	3
CRMJ 2465	Research Methods in Criminal Justice	3
ENGL 1020	English Composition II	3
ENGL 1220	Eng Comp II - International Student	3
ENGL 2002	Technical Writing	3
MDIA 2100	Media Writing	3

American and Wyoming Government: POLS

POLS 1000	American and Wyoming Government	3

Visual, Performing, Expressive Arts: ARTS

ART 1000	General Studio Art	3
ART 1005	Drawing I	3
ART 1150	B&W Film Photography I	3
ART 2145	Digital Photography I	3
ART 2210	Painting I	3
ART 2310	Sculpture I	3
ART 2410	Ceramics I	3
ENGL 2050	Creative Writing: Fiction	3
FILM 1100	Film Production I	4
MDIA 2200	Electronic Media Production	3
MUSC 1010	Music Fundamentals	3
MUSC 1050	Private Lessons:	1 - 2
MUSC 1055	Individual Lessons:	1 - 2
MUSC 1290	Class Piano I	1
MUSC 1292	Class Guitar I	1
MUSC 1378	College Band	1
MUSC 1390	Jazz Ensemble I	1
MUSC 1400	Collegiate Chorale	1
MUSC 1410	Vocal Ensemble	1
MUSC 1430	Symphony Orchestra	1
MUSC 1441	Chamber Ensemble:	1
MUSC 1452	Handbell Choir	1
MUSC 2070	Individual Lessons:	1 - 2

MUSC 1490	Piano Ensemble	1
THEA 1000	Intro to Theatre	3
THEA 1100	Acting I	3
THEA 2005	Creative Dramatics	3

Humanities: HUM

ANTH 2022	Petroglyphs & Primitive Art	3
ART 2010	Art History I	3
ART 2020	Art History II	3
COMM 1000	Intro to Mass Media	3
COMM 1480	Media Arts:	3
COMM 2135	Gender Communication and Culture	3
COMM 2380	Cinema History	3
EDEL 2280	Literature for Children	3
ENGL 2140	World Literature	3
ENGL 2186	Mythology and Folklore	3
ENGL 2210	English Literature I	3
ENGL 2230	Intro to Shakespeare	3
ENGL 2286	Legends and Lore	3
ENGL 2310	American Literature I	3
ENGL 2340	Native American Culture and Literature	3
FILM 1000	Introduction to Film	3
FILM 2380	Cinema History	3
HIST 1110	Western Civilization I	3
HIST 1120	Western Civilization II	3
HIST 1305	Cowboys & Indians	3
HIST 2225	History of Christianity	3
HIST 2315	Equality State Gender & Ethnicity	3
HIST 2320	History of Islam	3
HUMN 2025	Humanities Through the Arts	3
HUMN 2430	World Religions	3
MDIA 1000	Intro to Mass Media	3
MGT 3110	Business Ethics	3
MUSC 1000	Intro to Music	3
MUSC 1425	History of Rock Music	3
MUSC 2050	Music History Survey I	3
MUSC 2055	Music History Survey II	3
MUSC 2057	Jazz:A Listener's Introduction	3
NAIS 2340	Native American Culture and Literature	3
PHIL 1000	Intro to Philosophy	3
RELI 1000	Introduction to Religion	3
RELI 2225	History of Christianity	3
RELI 2320	History of Islam	3
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2020	Theatrical Backgrounds Drama II	3

Lab Science: LSCI

ASTR 1050	Survey of Astronomy	4
ASTR 1070	The Earth: Its Physical Environment	4
ATSC 2000	Introduction to Meteorology	4
ATSC 2110	Introduction to Climatology	4
BIOL 1002	Discovering Science	4
BIOL 1010	General Biology I	4
BIOL 1020	Life Science	4
BIOL 1080	Intro to Environmental Science	4
CHEM 1000	Intro to Chemistry	4
CHEM 1020	General Chemistry I	4
CHEM 1090	Fundamentals of the Physical Universe	4
GEOG 1010	Intro to Physical Geography	4
GEOL 1070	The Earth: Its Physical Environment	4
GEOL 1100	Physical Geology	4
GEOL 1200	Historical Geology	4
GEOL 1470	Environmental Geology	4
GIST 1200	Geospatial Foundations	4
HORT 2025	Horticultural Science	4
PHYS 1050	Concepts of Physics	4
PHYS 1090	Fundamentals of the Physical Universe	4
PHYS 1110	General Physics I	4
PHYS 1310	College Physics I	4

Mathematics: MATH

MATH 1000	Problem Solving	3
MATH 1100	Number and Operations for Elementary School Teachers	3
MATH 1400	College Algebra	4
MATH 1450	Algebra and Trigonometry	5
MATH 2200	Calculus I	5
MATH 2350	Business Calculus	4

Oral: ORAL

COMM 1030	Interpersonal Communication	3
COMM 2010	Public Speaking	3
COMM 2130	Human Relations	3
MGT 2130	Human Relations	3

Social and Behavioral Science: SOC

ANTH 1100	Introduction to Biological Anthropology	3
ANTH 1200	Introduction to Cultural Anthropology	3
ANTH 1300	Intro to Archaeology	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
EDFD 2450	Human Life Span Development	3
GEOG 1020	Intro to Human Geography	3
MKT 3050	Social Media Marketing	3

NAIS 1350	American Indians in Contemporary Society	3
POLS 1200	Non-Western Political Cultures	3
POLS 2310	Intro to International Relations	3
PSYC 1000	General Psychology	4
PSYC 3110	Cross Cultural Psychology	3
SOC 1000	Sociological Principles	3
SOC 1100	Social Problems	3

University Studies: UNST

UNST 1000	Orientation to College	3
UNST 1005	Student Success Course	1

Below are courses listed for use as AAS specific General Education Requirements.

Applied Mathematics: APPM

BADM 1005	Business Math I	3
MATH 1500	Applied Math	3

Information Technology: IT

ACCT 2110	Quickbooks Accounting	2
CMAP 1200	Computer Information Systems	3
WELD 1935	CNC Plasma Cutting	3

CWC People

Board of Trustees

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Sub-District #1 Term expires in 2028

Ms. Shana Tarter ***Lander-Jeffrey City***
Sub-District #4 Term expires in 2028

Ms. Paula Hunker ***Lander-Jeffrey City***
Sub-District #4 Term expires in 2026

Mr. Craig Tolman ***Riverton-Shoshoni***
Sub-District #2 Term expires in 2026

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Sub-District #2 Term expires in 2026

Mr. Alma Law ***Riverton-Shoshoni***
Sub-District #2 Term expires in 2028

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Officers

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Central Wyoming Community College Foundation, Inc.

The purpose of the Central Wyoming College Foundation is to promote, assist and extend financial support to Central Wyoming College and its various educational programs and other services, and to provide scholarships, grants-in-aid and loans to students enrolling in the College.

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Administration

Bradley Tyndall (2015) President of the College and Associate Professor: B.S., Journalism, University of Maryland, 1983; M.S., Agricultural and Resource Economics, Colorado State University, 1990; Ph.D., Economics, Colorado State University, 1996.

Katherine Wells (2000) Vice President for Academic Affairs and Professor, Nursing: A.A.S., Nursing, Central Wyoming College, 1991; B.S., Nursing, Weber State University, 1993; M.S., Nursing, University of Wyoming, 2004; D.N.P., American Sentinel University, 2016.

Coralina Daly (2006) Vice President for Student Affairs: B.A., Government – History, Franklin and Marshall College, 1998; M.L.S., Library Science, University of Maryland University College, 2000; Ed.D., University of Wyoming, 2019.

Willard Noseep, Jr. (2011) Vice President for Administrative Services and Associate Professor, Accounting: A.S., General Studies, Casper College, 1994; Associate of Business/Accounting, Casper College, 1995; B.S., Finance, University of Wyoming, 2000; M.B.A., Business Administration, University of Wyoming, 2006.

Faculty

Clayton A. Arnold (1969) Professor Emeritus, Psychology and Education: B.A., Music Education, MacPhail College of Music; M.S., Counseling-Guidance, University of Wisconsin-Madison, 1963; Student Personnel Services, University of Florida, 1968; Ed.D., Education Psychology, University of Wyoming, 1980.

John Aschenbrenner (2023) Instructor, Automotive Technology: B.S., Business Administration, University of Wyoming, 1990.

Ann L. Avery (1989) Professor Emeritus, English: B.A., English, University of South Florida, 1967; M.A., English, University of Wyoming, 1986.

Anna Baler (2018) Assistant Professor, Nursing: B.S., Nursing, Idaho State University, 1999; M.S., Nursing, Weber State University, 2018.

Steve Barlow (2005) Dean of Students/Athletic Director and Instructor: A.A., Garden City Community College, 1985; B.A. Administration of Justice, University of Wyoming, 1997; B.A., Psychology and Social Science, University of Wyoming, 2002; M.A., Education, University of Wyoming, 2013.

Colleen Bartlett (2012) Professor, Education: B.A., Early Childhood Education, Metropolitan State University of Denver, 1990; M.E., Curriculum and Instruction, Lesley University, 2000; Ed.D, Education, Walden University, 2015.

Eric Bennett (2023) Instructor, American Indian Studies: A.A., Social Sciences, Central Wyoming College, 2017; B.A., Social Studies Education, University of Wyoming, 2020; M.A., History, University of Wyoming, 2022.

Michael Bostick (2010) Professor, Mathematics: B.S., Mathematics, University of Wyoming, 2006; B.S., Physics, University of Wyoming, 2009; M.S., Mathematics, University of Wyoming, 2009.

Ron Broce (1973) Professor Emeritus, Political Science: B.A., Political Science, Brigham Young University, 1969; M.A., Political Science, Eastern New Mexico University, 1970.

Todd Byerly (2023) Instructor, Criminal Justice: B.A., Criminal Justice Administration, American Public University, 2017; M.S., Organizational Leadership and Management, Western Governors University, 2018.

Joyce Campbell (2021) Instructor, Human Services/Social Work: A.A., General, Central Wyoming College, 1993; B.S.W., Social Work, University of Wyoming, 1994; M.S.W., Social Work, University of Denver, 1996; Ph.D., Psychology, Walden University, 2020.

Pam Capron (2019) Director/Instructor, Cosmetology: A.A.S., Cosmetology, Eastern Wyoming College, 2010.

Maygen Cassity (2009) Professor, Communication: B.S., Communication and Rhetorical Studies, Idaho State University, 2007; M.A., Rhetorical Studies, Idaho State University, 2009.

Jeremy Cochran (2020) Instructor, Instrumental Music/Director of Bands: B.S. Instrumental Education, North Dakota State University, 2009; M.F.A., Music, University of Minnesota-Duluth, 2015; Ph.D., Musical Arts, George Mason University, 2019.

Dudley Cole (2000) Professor Emeritus, Welding Technology: A.A.S., Auto Technology, Kishwaukee Junior College, 1976; A.S., General Education, Kishwaukee Junior College, 1978; B.S., Education, Northern Illinois University, 1980.

Wesley Connally (1995) Professor, English: B.A., Political Science & English, Sam Houston State University, 1989; M.A., English, Sam Houston State University, 1991; D.A., English, Idaho State University, 2008.

Tylyn Corbett (2023) Instructor, Medical Assistant: C.C.D. Certificate, Medical Assistant, Central Wyoming College, 2015.

Leland E. Corey (1983) Professor Emeritus, Engineering: B.S. Chemical Engineering, University of Idaho, 1963; M.S., Chemical Engineering, University of Idaho, 1965.

Carol Dahlberg (1975) Professor Emeritus, Music: B.M., Performance, College of Idaho, Boise State University, 1972; Paris American Academy, France, 1972; M.M., Performance, University of Idaho, 1974.

Sharon Dalton (1991) Professor Emeritus, Music: B.M.E., Music Education, Northern State University (SD), 1980.

Jewel D. Dirks (1990) Professor, Psychology: B.M., Music, Colorado State University, 1974; M.M., Music, University of Rochester, 1975; D.M.A., University of Rochester, 1977; M.A., Counseling Psychology, University of Northern Colorado, 1987.

Joseph P. Dolan (1969) Professor Emeritus, Biological Sciences: B.S., Zoology, Colorado State University, 1967; M.S., Zoology, Colorado State University, 1969; D.A., Biological Sciences, University of Northern Colorado, 1978.

Charlotte L. Donelson (1983) Professor Emeritus: B.S., Business Education, Chadron State College, 1969; M.S., Business Education, University of Wyoming, 1974; M.E., Computer Education, Lesley College, MA, 1986.

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Billie Dutcher (1984) Professor Emeritus, Nursing: Med. Tech., University of Wyoming, 1964; B.S.N., Nursing, Alaska Methodist University, 1976; M.S.N., University of Wyoming, 1989.

Benjamin Evans (1998) Professor, English: B.S., English, Lewis-Clark State College, 1989; M.A., English, University of Idaho, 1993; M.F.A., English, Eastern Washington University, 1995.

William Finney (2010) Professor, Chemistry and Physics: B.S., Chemistry, Binghamton University, 1997; Ph.D., Chemistry, Syracuse University, 2002.

Matthew Flint (2002) Professor, Art: B.F.A., Commercial Art, Central Missouri State University, 1994; M.F.A., Art (Painting), Wichita State University, 2002.

Tammy Forbis (2017) Assistant Professor, Business: A.S., Business Administration, Central Wyoming College, 1996; B.S., Business Administration, University of Wyoming, 1998; M.B.A., University of Wyoming, 1999.

Joseph Fountain (2018) Assistant Professor, Psychology: B.A., Political Science, Seattle University, 1992; M.S., Psychology, Eastern Washington University, 2018.

Drew Freeman (2023) Professor, Business: B.S., Marketing Management, Webber College, 2002; M.B.A., Business Administration, Webber College, 2004.

Mara Gans (2022) Instructor, GIS & Expedition Science: B.A., Environmental Study & Conservation Biology, Middlebury, 2016; M.S., cultural and Environmental Resource Management, Central Washington University, 2022.

Lacey Gibbens (2021) Instructor, Nursing: A.S.N., Nursing, Ameritech, 2018, B.S.N., Nursing, Ameritech, 2020.

Barbara Gose (1978) Professor Emeritus, Political Science: B.A., Political Science, University of Texas at Austin, 1962; M.A., Political Science, North Texas State University, 1972.

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David Gray (1998) Professor, English: B.F.A., Theater Performance, University of Wyoming, 1993; M.F.A., Theater Management, California State University at Long Beach, 1996.

Amy Hernandez (2011) Professor, Nursing; B.S., Nursing, University of Wyoming, 1997; M.S., Nursing, University of Wyoming, 2012.

Matthew Herr (2005) Professor, Microcomputer Applications & Social Media: B.S., Education, Ohio State University, 1989.

Robert A. Hussa (1980) Professor Emeritus, Music: B.M., Music Education, University of Idaho, 1975; M.M., Music Performance, University of Wyoming, 1980.

Kirsten Kapp (2006) Professor, Biology & Mathematics (Jackson): B.S., Wildlife and Fisheries Biology, University of Vermont, 1998; M.S., Conservation Biology and Sustainable Development, University of Wisconsin-Madison, 2005.

Nita Kehoe (2000) Professor, Art: B.F.A., Design, University of Iowa, 1993; M.A., Sculpture, University of Iowa, 1996; M.F.A., Sculpture, University of Cincinnati, 1998.

Jennifer Kellner (2006) Professor, Mathematics: A.A., Secondary Education, Eastern Wyoming College, 1996; B.S., Education, Chadron State College, 1998; M.E., Sec Curr & Instruct/Mathematics, Chadron State College, 2008.

Princess Killebrew (1996) Professor Emeritus, Education: B.S., English and Math, Northern Arizona University, 1964; M.A., English Ed., Northern Arizona University, 1972.

James Kinola (2021) Instructor, Nursing: B.S., Biology, University of Wisconsin-Eau Claire, 1990; B.S., Nursing, University of Wisconsin-Madison, 2009; M.S.N., Nursing, Walden University, 2016.

Jacki Klancher (2009) Professor, Environmental Technician: B.S., Geography, University of Calgary, 2002; M.S., Biology, University of St. Joseph, 2012.

Nancy Larson (1987) Professor Emeritus, Anatomy, Physiology and Microbiology: B.S. Physical Education, University of Utah, 1966; M.S. Physiology, University of Utah, 1968.

Michael Manning (2003) Professor Emeritus, Criminal Justice: B.S., Political Science, Arizona State University, 1971; J.D., Gonzaga University School of Law, 1979.

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Debbie McClure (2007) Professor Emeritus, Nursing: B.S., Nursing, Weber State University, 1993; M.S., Nursing, University of Wyoming, 2003.

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Roger Melton (1981) Professor Emeritus, Mathematics: A.A., Liberal Arts, Eastern Wyoming College, 1960; B.S., Math-Chemistry-Education, University of Wyoming, 1963; M.A., Mathematics, Western Michigan University, 1967.

John Metzler (2015) Associate Professor, Electrical Apprenticeship: A.A. General Studies, Central Wyoming College, 2002.

Michael Myers (2000) Professor Emeritus, Theatre: B.A., Theatre, Southern Illinois University, 1976; M.A., Education, St. Joseph College, 1989; M.A., Theatre, Bowling Green State University, 1990.

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Amanda Nicholoff (2006) Professor, Television Broadcasting/Communication: A.S., Broadcasting, Central Wyoming College, 1992; B.A., Radio/Television, University of Montana, 1995.

Jeremy Nielsen (2012) Professor, Film, Movie & Digital Content: B.A., Film and Media Arts, University of Utah, 1998; M.F.A., Film and Media Arts, University of Utah, 2012.

Mark Nordeen (2002) Dean Arts and Sciences and Professor: B.S. & H., Biology, Iowa State University, 1977; B.S., Electrical Engineering, University of Missouri – Columbia, 1983; M.S., Physiology, Wright State University, 1988; Ph.D., Cell and Developmental Biology, University of Colorado, 1999.

Donna Olsen (1981) Professor Emeritus, Business: B.S., Business Education, Brigham Young University, 1977; M.S., Business Education, Brigham Young University, 1979; PhD, Vocational and Technical Education, University of Illinois at Urbana-Champaign, 1997.

Elizabeth Oliver (2016) Assistant Professor, Nursing: B.S., Nursing, Western Governors University, 2015; M.S., Nursing, Western Governors University, 2016.

Melena Osborne (2019) Assistant Professor, Mathematics: B.S., Mathematics, Tarleton State University, 2014; M.S., Mathematics, Tarleton State University, 2016; M.A.T., Mathematics, Western Governors University, 2017.

Ethan Page (2020) Instructor, Alpine Science Institute: B.S., Animal Science, Delaware Valley College, 2009; M.S., Environmental Bioscience in a Changing Climate, 2012.

Charles Palmer (2023) Instructor, Software Development (2023): A.A.S., Commerce Web Developer, Central Wyoming College, 2005.

Kathryn Patterson (2014) Associate Professor, Mathematics: B.S., Mathematics, University of Wyoming, 1997; Ph.D. Philosophy, Mathematics, Montana State University, 2009.

Willis Patterson (1971) Professor Emeritus, Art: B.A., Education, 1966; M.A., Art, 1969; M.F.A., Art, University of Wyoming, 1971.

Margaret Peart (1983) Professor Emeritus, Business Technology: B.S., English, Utah State University, 1965; M.S., Business Education, Utah State University, 1987.

Aften Peterson (2023) Instructor, Equine Studies/Event Coordinator: B.S., Ag Media & Communication, West Texas A&M University, 2021.

Donald E. Quayle (1968) Professor Emeritus, Education: B.S., Physical Education, Michigan State University, 1954; M.S., Physical Education, University of Colorado, 1959; Ed.D., Education, University of Wyoming, 1970.

Carol Rardin (1978) Professor Emeritus, Mathematics: A.A., Art, Central Wyoming College, 1985; B.A., Mathematics, University of Wyoming, 1971; M.A., Mathematics, University of Northern Colorado, 1990.

Robert Richards (1986) Professor Emeritus, Accounting: B.S., Business Administration, University of Wyoming, 1964.

Richard W. Scott (1975) Professor Emeritus, Biology: B.S., Botany, University of Wyoming, 1964; M.S., Botany, University of Wyoming, 1966; M.A., Botany, University of Michigan, 1969; Ph.D., Botany, University of Michigan, 1972.

Lonnie Slack (2001) Professor, Photography: A.A.S., Photography, Northwest College, 1995; B.F.A., Visual Communications, American Intercontinental University, 2005.

Suzanne "Suki" M. Smaglik (2000) Professor, Earth and Physical Sciences: B.A., Chemistry & Geology, Beloit College, 1982; M.S., Geochemistry, Colorado School of Mines, 1987.

Dale Smith (1984) Professor Emeritus, Electronic Media/KCWC-FM Station Manager: B.A. Sociology, Augusta College, 1970; M.S. Instructional Technology, University of Wyoming 1993.

Melissa Sperry (2019) Assistant Professor, Nursing: A.S., Nursing, Northwest College, 1998; B.S., Nursing, Excelsior College, 2009; M.S., Nursing, Excelsior College, 2015.

Patricia A. Stalley (1982) Professor Emeritus, Equine Science: B.S., Elementary Education, University of South Dakota at Springfield, 1973.

Stacey Stanek (2003) Director of Nursing and Professor, Nursing: A.S., Nursing, Central Wyoming College, 1993; B.S., Nursing, University of Wyoming, 2001; M.S., Nursing, University of Wyoming, 2006; D.N.P., American Sentinel University, 2016.

Darryl Steeds (2010) Professor, Welding: A.A.S., Welding, Central Wyoming College, 2016.

Justin Stone (2023) Instructor, Hospitality Management & Culinary/Program Manager: B.A. History, & Foreign Affairs, University of Virginia, 2009.

James Thurman (2005) Professor, Political Science Online: A.A., Political Science, 1988, B.A., Political Science, 1989, M.A., Political Science, University of Louisville, 1996; M.A., Humanities, California State University, 2007; M.A., Social Science, Harrison Middleton University, 2013; Ph.D., Social Science, Harrison Middleton University, 2014.

Buck Tilton (2009) Professor, English: B.A., History, Washburn University, 1970; M.S., Experiential Education, Minnesota State University, 1984.

Kathleen Tilton (2014) Associate Professor, Criminal Justice: B.A., English, University of Minnesota Twin Cities, 1991; J.D., Law, University of Colorado, 1994.

Claudia Troxel (2022) Instructor, Biology/Physical Sciences: B.S., Biochemistry, College of Charleston, 1991; B.A., German, College of Charleston, 1991; M.Ed., Curriculum and Instruction, Montana State University-Bozeman, 2014; Ph.D., Toxicology, Oregon State University, 1996.

Darran Wells (2007) Professor, Outdoor Education and Leadership: B.A., Philosophy, University of Houston, 1993; M.A., Adventure Education, Prescott College, 2007.

Vonda Wells (2022) Instructor, Education: B.S., Elementary Education, University of Providence, 1994; M.A., Education, University of Wyoming, 2002; Ph.D., Education, University of Wyoming, 2008.

Joey West (2017) Assistant Professor/Director: Theatre: B.A., Music & Theatre, Southern Virginia University, 2005; M.A., Acting, Liverpool John Moores University, 2011; M.F.A., Theatre Arts, Minnesota State University, 2012.

Jessie Whitlock (2023) Instructor, Equine Studies: B.A.S., Organization Management & Leadership, Central Wyoming College, 2023.

Gilbert Wilson (1968) Professor Emeritus, Mathematics: B.S., Mathematics, Chadron State College, 1958; M.S., Mathematics, University of Wyoming, 1960.

Terry Wilson (2017) Assistant Professor, Nursing: A.S., Nursing, Excelsior College, 1998; B.S., Nursing, University of Wyoming, 2007; M.S., Nursing, Walden University, 2014.

Amanda Winchester (2021) Instructor, Meat Science: B.S., Agribusiness, Texas A&M-Commerce, 2020; M.S., Agricultural Education, South Dakota State University, 2022.

Tara Womack (2001) Professor, Biology: A.S., Biological Science and Resource Management, Central Wyoming College, 1993; B.S., Biology, University of Wyoming, 1995; M.S., Zoology & Physiology, University of Wyoming, 1997.

Tracy Wright (2021) Instructor, Cosmetology: Cosmetology License/Cosmetology Instructor License.

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