



# Central Wyoming College -2019/2020 Catalog





# Table of Contents

Message from the President.....	3
Calendar .....	4
Getting Started .....	5
Money Matters.....	32
Student Services .....	47
Degrees & Certificates.....	55
Programs of Study .....	69
University of Wyoming 2+2 Program Agreements.....	201
Course Descriptions.....	202
CWC People.....	333

# 2019-2020 Catalog

# Message from the President

*Let the adventure begin!*

*Central Wyoming College is your gateway to possibilities. At CWC, you can learn to train horses, weld pipe, fix cars or acquire many other job skills as part of our certificates and degrees. At the same time, you can find your creative muse in our amazing theatre, art or music programs. Or, you can fall in love with Shakespeare, discover the interworking of human psychology, conduct hands-on scientific research, improve your writing or math skills or discover the business entrepreneur within yourself. You can get an associate's degree and transfer to a four-year university. The sky is the limit. At CWC you are the proverbial kid in the candy store.*

*Enjoy your education and let our Advisors and Success Coaches work with you to ensure that you succeed. If your educational goals are unclear, please allow them to help you dream bigger - for we understand the untapped potential of students. We want to help you map out a pathway forward to meet your needs.*

*You matter to us and our mission is to serve you. Your success is our success.*

*Bradley P. Tyndall, Ph.D.*

*President of Central Wyoming College*





# Calendar

## 2019 Fall Semester Calendar

Registration for Fall 2019	April 2 - August 23
In-Service for Faculty and Staff	August 19 - 23
Registration Payment Deadline	August 23
Classes Begin	August 26
Labor Day Holiday (College Closed)	September 2
Graduation Application Deadline for Fall 2019 Graduation	October 15
Early Registration for current students Spring 2020 & Summer 2020	November 5
Registration opens for all students Spring 2020 & Summer 2020	November 6
Thanksgiving Holiday (College Closed)	November 27 - 29
Last Day to Drop Semester Length Classes	December 6
Classes End (Final Exams included during class time)	December 13

## 2020 Spring Semester Calendar

Registration for Spring 2020	November 5 - January 10
In-Service for Faculty and Staff	January 6-10
Classes Begin	January 13
Martin Luther King/Equality Day (College Closed)	January 20
President's Day (College Closed)	February 17
Graduation Application Deadline for Spring 2020 Graduation	March 1
Spring Break (No Classes)	March 16-20
Spring Holiday (College Closed)	March 20
Early Registration for current students Fall 2020	April 7
Registration opens for all students Fall 2020	April 8
Spring Holiday/Good Friday (College Closed)	April 10
Last Day to Drop Semester Length Classes	May 1
Classes End (Final Exams included during class time)	May 7
Commencement	May 8

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, Goals

### CENTRAL WYOMING COLLEGE MISSION

Enhance the quality of life through innovation and excellence in education.

### CENTRAL WYOMING COLLEGE VISION

Provide lifelong learning opportunities beyond the boundaries of time and place.

### CENTRAL WYOMING COLLEGE GOALS

- Ensure academic excellence.
- Provide an environment for economic, cultural, and lifelong enrichment.
- Serve as a proactive community leader.
- Use innovation to increase access to education.

## About CWC

### STUDENT ATTRIBUTES

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

**Critical/Creative Thinking.** (CCT) Students demonstrate critical/creative thinking when they use an appropriate process in evaluating an idea. Students will be able to analyze and evaluate, make judgments and draw conclusions.

**Communication.** (C) Students demonstrate communication skills when they exchange information effectively in a variety of contexts and formats.

**Diversity.** (D) Students demonstrate intercultural competency when they describe and analyze the impact of culture and identity among diverse groups.

**Self-directed Learning.** (SDL) Students demonstrate self-directed learning skills when they take the initiative to assess their need for learning, establish a goal, develop a learning strategy and assess the learning outcomes.

**Technological/Information Literacy.** (TL) Students demonstrate technological literacy when they use appropriate technology to manage information, solve problems, or communicate effectively.

### 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](http://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:**

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

34CFR 600.2

**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 courses. Some hybrid courses are lecture courses that are split into a lecture course with an online component. Some hybrid courses are lab based courses (ie Biology or Anatomy) that are split with the lecture online 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 portion being of equal intensity and duration of a face-to-face class.

**Online:** Online course content is given online and interaction is given via computer interface. Instruction, discussion, assessment, and feedback is conducted online.

**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.

***Degree-Seeking.*** Status of enrolled student who has officially declared a program of study designed to meet requirements for a Certificate of Completion or Associate 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, 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, to 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 judgement 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 seeking to receive Title IV (Federal) funding must provide an Official High School Diploma, or its recognized equivalent. Failure to provide this will disqualify the student from receiving Title IV funding.

### 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 web site ([www.cwc.edu](http://www.cwc.edu)). Online applications are encouraged for timely and accurate data entry. Students are encouraged to begin the admission process well in advance of registration.
- Students who have previously taken credit classes at CWC do not need to submit another application.
- 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 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.
- Students seeking to receive Title IV (Federal) funding must provide an Official High School Diploma, or its recognized equivalent. Failure to provide this will disqualify the student from receiving Title IV funding.

## 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 forms, he or she will be issued an I-20. Requirements for Admission are:

1. A completed CWC online application form.
2. A guarantee of Support Form or a certified bank statement indicating that the applicant, applicant's family, or applicant's sponsor are able to provide a minimum of \$17,993 (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 \$17,993, and a summer-only semester may also be less.) Enrollment in a U.S. student health insurance program is highly recommended due to the high health costs in the U.S.
3. A health form, in English, 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](mailto:international@cwc.edu).
5. A housing application and \$100 deposit.
6. Original high school/college transcripts, with English translation.
7. An official copy of the applicant's TOEFL or IELTS score. CWC's TOEFL or IELTS requirement for foreign students are:

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

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. Please contact the International Students email for more information: [international@cw.edu](mailto:international@cw.edu).

Please request all necessary application material from:

Central Wyoming College  
International Student Advisor  
307.855.2270  
2660 Peck Avenue  
Riverton, Wyoming 82501  
[international@cw.edu](mailto:international@cw.edu)

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

Admission is granted 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.

## 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 844-GO-TO-CWC

## **REGISTRATION**

Students may enroll in classes during the registration periods indicated in the academic calendar and the Schedule of Courses publication. Registrations will be accepted up to the first day of class. A student may register for up to 18 credits per semester. With the approval of their Faculty Advisor or Success Coach and the appropriate Dean, students in good standing may be authorized to register for 19-23 credits per semester if they can demonstrate exceptional academic abilities or a high probability of success in a heavy class load. Registration for 24 or more credits requires either Faculty Advisor or Success Coach, and Dean approval, as well as approval by the Vice President for Academic Affairs.

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

## 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. Students are encouraged to take advantage of the professional services and guidance of both their Success Coach and Faculty Advisor.

## ACADEMIC PROGRAM DECLARATION

All degree-seeking students shall declare an academic program. Students who are undecided will choose from the available meta-majors. However, students who have previously earned an AA, AS or higher degree from another institution may not declare a meta-major as their academic program. All academic programs are listed in the Degrees and Certificates Section (p. 55) 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, national origin, ancestry, sex, age, religion, or disability in admission or access to, or treatment or employment in its educational program services or 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 Scott Miller, Director of Human Resources and Section 504 Inquiries may be referred to Emily Cosner, Counselor and Disability Services Coordinator, at Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2112 or 1-800-735-8418 (instate) or 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](mailto: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, gender, color, disability, sexual orientation, religious preference, national origin, ancestry, or age will not be tolerated.

## STUDENT PRIVACY

The Family Educational Rights and Privacy Act (FERPA) afford 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. 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. 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

The Central Wyoming College application for admissions contains permission to release directory information. Students' permission checked on the admissions application is in effect until changed with a completed Directory Information Change of Consent Form submitted to the CWC Student Records Office.

Directory information includes: name (preferred name), hometown and state, program of study, degrees, certificates or awards, participation in officially recognized activities and sports, photograph, and height of members of athletic teams. The preceding information applies to students currently enrolled or former students.

## **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**

To qualify for Academic Amnesty, the student must be enrolled in a CWC degree program. 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 transcribed courses in all semesters needed to compile the minimum 12 credit hours will be used in calculating the minimum grade point average. Academic Amnesty may be requested for one or more complete semesters of work at CWC. Academic Amnesty does not apply to individual courses, nor does it 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 semester(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.)

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 unless such sanction involves a recommendation that the student be expelled.

In such cases, the Academic Dean and the Vice President for Academic Affairs shall be involved in deciding and imposing sanctions. A written report of the incident shall be filed with the Vice President for Academic Affairs office and a copy sent to the Student Records Office to be retained in the student's permanent file.

Due process shall be followed at all times. A student may appeal any disciplinary 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.

## **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**

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.

## 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

### Confirmed AA, AS, Bachelors

Student will have met all general education requirements for AS, AA, AAS degrees.

#### CWC PROGRAM REQUIREMENTS

- CWC will review all Freshman/Sophomore level courses for transferability
- Junior/Senior level courses will not transfer into CWC but may meet program requirements.

Student Transferring to CWC from an  
Accredited College or University

### Confirmed AA, AS, Bachelors

Student will have met all general education requirements for AS, AA, and AAS degrees.

*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 PROGRAM REQUIREMENTS

- CWC will review all Freshman/Sophomore level courses for transferability.
- Junior/Senior level courses will not transfer into CWC but may meet program requirements

Student Transferring to CWC from an  
Accredited Wyoming Community  
College OR Other State College or  
other State University

### Confirmed AAS

CWC will review each general education requirement for transferability.

#### CWC PROGRAM REQUIREMENTS

- CWC will review all Freshman/Sophomore level courses for transferability.
- Junior/Senior level courses will not transfer into CWC but may meet program requirements.

\*Degree must be from a Regionally Accredited Institution

## 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 dependents or under the age of 24 with a parent, guardian, or spouse 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. Graduates of a Wyoming high school. (High School transcript or diploma may be required.)
3. Recipients 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 members or U.S. Armed Forces members stationed in Wyoming, or their dependents. (Provide military enlistment papers or transfer orders)
5. Wyoming residents 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. Individuals who have 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 under the age of 24 of a Wyoming community college graduate. (Provide graduate's name, Wyoming Community College, graduation date, and verification of dependent status).
9. Individuals with a permanent home in Wyoming. To determine if a permanent Wyoming home has been established, a variety of factors are considered including:
  - 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 G.I. Bill – Active Duty Program), Chapter 31 (Vocational Rehabilitation and Employment (VR&E)), or Chapter 33 (Post-9/11 G.I. Bill) as described in 38 U.S.C.;
    - 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 within three (3) years prior to enrollment) 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.

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. 66) 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

Central Wyoming College will evaluate for transfer credit freshman and sophomore college-level courses completed with a "C" or better at regionally accredited institutions of higher education and may consider, on an individual basis, college-level studies from institutions that are not regionally accredited. Special Topics courses will not be transferred.

Students may use 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.

Students are limited to earning a maximum of 75% of the credits in their declared program through Credit for Prior Learning or Transfer Credit.

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.

## **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 Courses 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 Courses 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.

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)

<b><u>Grade</u></b>	<b><u>Grade Points</u></b>	<b><u>Definition</u></b>
<b>A</b>	4	Exceptional
<b>B</b>	3	Good
<b>C</b>	2	Average
<b>D</b>	1	Poor
<b>F</b>	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:

<b><u>Grade</u></b>	<b><u>Grade Points</u></b>	<b><u>Definition</u></b>
<b>S</b>	0	Satisfactory
<b>U</b>	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. A maximum of 11 credit hours at CWC may be applied to graduation under the S/U grading system. 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.

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:

<b><u>Grade</u></b>	<b><u>Grade Points</u></b>	<b><u>Definition</u></b>
<b>Z</b>	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:

<b><u>Grade</u></b>	<b><u>Grade Points</u></b>	<b><u>Definition</u></b>
<b>AW</b>	0	Administrative Withdrawal
Carries no credit and does not affect grade point average		
<b>W</b>	0	Withdrawal
Carries no credit and does not affect grade point average		
<b>WI</b>	0	Faculty Initiated Withdrawal
Carries no credit and does not affect grade point average		
<b>T</b>	0	Temporary
Assigned by the college when a faculty member is unable to complete grading because of an emergency		
<b>X</b>	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](http://www.cwc.edu)) and connecting to MyCentral/MyAdvisor.

## 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 file an Academic Petition available through the Student Records Office.

## 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.

<b><u>Highest Honors:</u></b>	4.0 GPA*, at least 30 credit hours completed at CWC, excluding developmental courses.
<b><u>High Honors:</u></b>	3.75 GPA and above but less than 4.0 GPA*, at least 30 credit hours completed at CWC excluding developmental courses.
<b><u>Honors:</u></b>	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 and have completed at least 67% of the cumulative credits attempted.

### **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 OR who completes fewer than 67% of cumulative credits attempted will be placed on Academic Probation during the next semester in which he/she is enrolled.**

First-time students on Academic Probation will be required to attend an academic success training session at the beginning of their first semester on Academic Probation AND maintain frequent contact with their respective Success Coach. Students who do not adequately attend/participate in the training session or the Success Coach contact may be academically suspended. Ongoing students 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 AND completes 67% or more of credits attempted, will be placed on Good Standing.
2. achieves a 2.00 semester GPA or higher, but the cumulative GPA is still below 2.00 OR does not complete 67% or more of credits attempted, will remain on Academic Probation;
3. Fails to achieve a minimum semester GPA of 2.00 OR complete 67% or higher of credits attempted, will be placed on Academic Suspension.

### **Academic Suspension**

Students on Academic Suspension cannot return to Central Wyoming College during the semester following an unsuccessful probationary period. After that semester, a student on Academic Suspension may petition to re-enroll by submitting a letter to the Director of Student Success providing information that indicates readiness to succeed. If the petition is approved, the student will be admitted under Academic Probation status and will be subject to the parameters described above.

## STUDENT TRANSCRIPTS

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

- Submit a request through the CWC web site at [www.cwc.edu](http://www.cwc.edu).

- All obligations to Central Wyoming College must be cleared before a transcript will be released.

For further information about transcript services, please contact the Student Records Office.

## **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 or entitled to the release of CWC grades or academic transcripts.

## **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.



# Money Matters

## Money Matters

Students are expected to pay all tuition and fees or make arrangements for 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.

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 Dubois, Jackson, and Lander, and at other outreach sites should check with the center coordinator or their faculty members about local deadlines and procedures.

## Tuition

### **2019-2020 Tuition and Fees**

Central Wyoming College tuition is capped at 15 credits. ***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 2019-2020 academic year for 15 credits. Tuition/Fees fluctuate from year to year). General fees are charged per credit hour; therefore, for each credit hour over 15, add \$41 per credit.

Wyoming resident per semester	\$2,100
Out-of-state resident per semester	\$5,070
WUE per semester	\$2,835

(See WUE program section (p. 33) 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.

### **2019-2020 Per Credit Tuition Rate**

For students taking less than 15 credits, the following Tuition & Fee rate will be charged per credit. (The cost listed below is for the 2019-2020 academic year. Tuition/Fees fluctuate from year to year):

Wyoming resident Per credit	\$140
Out-of-State Resident Per credit	\$338
WUE Per credit	\$189

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		

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 \$41 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 per semester (based on 2019-20 costs and 15 credits per semester):

Tuition and General Fees	\$2,100
Books and Supplies	\$ 600
Housing/Meal Plan	\$3,340
Transportation	\$ 500
Miscellaneous expenses	\$ 750
Total	\$7,290

## 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.

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. A returned check fee will also be assessed. Additionally, non-payment of these debts may revoke a student's current registration and the student's right to enroll in subsequent semesters at CWC and will prevent the release of grades, transcripts, diplomas and degree verifications. 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. Failure to pay such assessments or any other sums of money owed to the college may result in the denial of further registrations at Central Wyoming College and/or withholding of transcripts, grades, diplomas and degree verifications.

### 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 G.I. Bill (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to;
- Require student 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 may be required to:

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

## 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 68 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. What interest rate is carried by loan awards, what the total repayable amount is, what the pay back procedures are, in what length of time the loan must be repaid, and when the repayment period begins;
6. What CWC's requirements are with regard to maintenance of satisfactory progress/good standing and what appeal procedures are available;
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 operates; 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, corrections and/or new 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.
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 Need-Based Aid

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

1. Be enrolled at least half-time as a degree-seeking student in an eligible program leading to an AA, AS, AAS or Certificate I;
2. Be a United States citizen or an eligible non-citizen;
3. Have a high school diploma, a GED, or a high school equivalency certificate;
4. Maintain satisfactory progress toward completing an 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
7. Have a signed statement of draft compliance and educational purpose.

Federal Financial aid which is based upon student need is available in three forms: grants, loans, and work study.

1. Grants. Federal Pell Grant (formerly BEOG) and Federal Supplemental Education Opportunity Grant (FSEOG)
2. Loans. Federal Subsidized Direct Loan, Federal Unsubsidized Direct Loan and Parent PLUS Direct Loan for undergraduate students.
3. Employment. Federal College Work-Study Program (FCWS), Central Wyoming College Student Part-Time Employment (SPT).

#### **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 borrowers at CWC are required to complete online Loan Entrance Counseling prior to receipt of their first disbursement. Loan Entrance Counseling is available on the Department of Education's website: [www.studentloans.gov](http://www.studentloans.gov) Entrance counseling provides the following information:

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



- d. possible seizure of federal and state income tax refunds
- e. possible garnishment of wages
- f. loss of eligibility for further Federal Title IV student assistance
5. example of student loan repayment schedule
6. loan consolidation information
7. estimated average entry level salaries for various occupations
8. borrower's responsibility to repay his/her loan and to notify lenders of any change of name, address, telephone number or Social Security number
9. 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 will be required to complete a Loan Exit Counseling session prior to the end of the academic year. This process provides students with information regarding their rights, responsibilities and obligations to the student loan program.

Printed literature on debt management is available from the Financial Aid Office upon request.

### **Financial Aid Process**

This process should be completed by the Financial Aid Priority deadline of April 15 to ensure full consideration for all available need-based 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. If you do not already have an FSA ID, apply for one at the FSA ID site at <https://studentaid.ed.gov/npas/index.htm>. You need a FSA ID to electronically sign your FAFSA (Federal Application for Student Aid). If you are a dependent student (under the age of 24), your parents will need to apply for an FSA ID also to electronically sign your FAFSA.
2. Complete and submit the Free Application for Federal Student Aid (FAFSA) on line at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Processing generally requires from four to six weeks.
3. Students receive a copy of the Student Aid Report (SAR) upon completion of processing. Students should check the SAR for accuracy and forward corrections to the CWC Financial Aid Office.
4. The Federal Department of Education requires institutions to verify a minimum of 30 percent of their federal aid applicants. Students chosen for verification are required to complete the CWC Financial Aid Verification forms online at [www.cwc.edu](http://www.cwc.edu) and request a tax transcript from the IRS and forward to the Financial Aid Office. Parents of dependent students are required to also request a tax transcript from the IRS if the student is selected for verification.
5. Complete the CWC Admission Application on line at [www.cwc.edu](http://www.cwc.edu).
6. Request an official copy of your high school transcript with graduation date, GED, or high school equivalency certificate; be sent directly to Student Records Office. (An official high school transcript is not required for any student who already has a bachelor's degree.)
7. Request an official copy of all previously attended college transcripts be sent directly to the Student Records Office.

8. (Recommended) Complete the online Financial Aid Orientation Workshop. The Financial Aid Orientation workshop is designed to familiarize students with the rules and regulations governing all Title IV Federal Aid programs. Title IV Federal Aid includes the Pell Grant, Supplemental Educational Opportunity Grant (SEOG), college work Study (CWS), and all Federal Direct subsidized and unsubsidized student loan programs. The course is separated into the following eight sections:

- Standards of Progress requirements
- Pell Grant lifetime eligibility limits
- Federal Direct student loan lifetime eligibility limits
- GPA Calculation
- Degree Evaluation
- Federal aid cost of attendance versus institutional direct costs
- Return of Title IV funds
- Federal Aid disbursement process

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

Central Wyoming College endorses the principle that most aid should be granted to students based upon 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 and supplies, room and board, transportation and miscellaneous personal expenses);
2. Subtract the family contribution (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 unmet need (students are eligible to receive up to 100 percent of this amount 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 shall be awarded amounts from the following funds and in the following order subject to fund availability and determined student unmet need.

1. Establish unmet need (see step 5 above);
2. Subtract Federal Supplemental Education Opportunity Grant (FSEOG) based on a \$200 minimum, \$800 maximum award;
3. Subtract Federal Work Study (\$750 minimum award, \$3,000 maximum award. However, students may request to increase the \$3,000 max set at packaging, if they have remaining unmet need);
4. Subtract Federal Direct Subsidized Loan (maximum of \$3,500 for Freshmen, \$4,500 for sophomores or balance of unmet need, application processed only at student's request).

A financial aid award letter is mailed by July 1 to eligible students who complete the application process by April 15. At this time, students have the option to decline or accept any or all awards offered. The award letter must be completed, signed, and returned within two weeks to ensure all applicable funds are ready for disbursement by the beginning of the fall semester.

### **Financial Aid Disbursement**

For the fall and spring semesters, student financial aid consisting of scholarships, Non-Federal funds, and Federal Grants will be disbursed one month into the semester. Federal Direct Loans and State Loan programs will be disbursed in two equal disbursements, with the first disbursement occurring one month into the term, and the second disbursement one month later. Federal student aid awarded for the summer session is disbursed in full in the 3rd week for enrollment over a 10-week term or in the third week for enrollment over a 5-week term. Federal work-study monies are disbursed during the award period as they are earned 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 funds to the students.

## **Financial Aid Standards of Progress**

All Central Wyoming College students who receive need-based 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 establish a Satisfactory Academic Progress (SAP) policy for all students receiving federal and state funding, such as Federal Pell Grant, SEOG, TRiO, College Work Study, 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). SAP is checked at both the beginning and the end of each semester.

#### **Satisfactory Academic Progress requirements:**

- 1) **Grade Point Average (GPA)**: Students must maintain a minimum cumulative GPA of a 2.0. Student grades of A, B, C, D, F are included in the GPA calculation. Grades of I (incomplete), Z (audit), W (withdrawal), or WI (withdrawal by instructor), X (incomplete), U (unsatisfactory), 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, S, are counted in attempted and completed credits. Grades of F, U, and W are counted in attempted credits but 0 credits are completed. Grade of Z (audit) is not counted in attempted or completed credits. If a student has transfer equivalency (TE) credits, only the TE credits that apply toward the student's program of study will be counted in both attempted and completed credits.

Cumulative credit hours attempted	Calculation of 66.67%	Cumulative credit hours completed
3520	$x2/3=x2/3=$	2414
12	$x2/3=$	8
9	$x2/3=$	6
6	$x2/3=$	4

3) **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  $60 \times 150\% = 90$  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.

- **Warning Status**: If a student fails to maintain SAP (paragraphs 1 and 2 above) **AND** it is 'reasonably expected' the student can successfully reinstate by the end of the next term, then the student is placed on **warning** status and will be allowed one additional semester of funding to get back into good standing. If the student does not get back into good standing, all federal financial aid funding and Veterans benefits will be cancelled.
- **Cancelled Status**: If a student fails to maintain SAP (paragraphs 1 and 2 above) and it is 'mathematically impossible' for the student to successfully reinstate by the end of the next term, then the student's eligibility is **cancelled**. All federal financial aid funding and Veterans benefits will be revoked since the student did not maintain SAP.
- **Petition to Regain Eligibility**: If a student fails to meet SAP (cancelled or maximum time frame) and they have extenuating circumstances 'beyond the student's control', they may submit a written petition to regain eligibility. The petition and supporting documentation **must** be submitted to Rustler Central according to the deadline on the petition form.
- **Changes in Degrees/Programs**: Changing degrees or programs **does not** restart the 150% maximum time frame. CWC will count all credits attempted at CWC, as well as any credits transferred into your current/active program. Changing degrees does not affect our calculation of GPA and Completion Rate.
- **Petitions**: Students may petition to the Financial Aid office 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. Petitions can be obtained from the Financial Aid office are due no later than 1 week prior to the start of the semester for which the student is petitioning to receive continued Federal Aid. 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-petitioned. Students who received denied 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 into standards. 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 Petitions**: Students who received Approved Petitions will be contacted by the Financial Aid office to connect them with the Student Support office to create a Student Education Plan (SEP). Once a student is placed on a SEP, the student will remain on a SEP for the duration of their education at CWC. Failure to maintain the agreement established in the Student Education Plan will result in a cancellation of Federal funding for all subsequent semesters. This cancellation is final and may not be re-petitioned.

## Veteran's Financial Aid Standards of Progress

All Central Wyoming College students who receive Veterans' 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 semesters aid is received. Standards of satisfactory progress are as follows:

1. Maintain a minimum 2.0 cumulative grade point average.
2. There must be a completion rate of 67 percent (two-thirds) of the cumulative/attempted credit hours. Examples of this requirement:

Cumulative credit hours attempted	Calculation of 67%	Cumulative credits completed
20	$\times 2/3 =$	14
15	$\times 2/3 =$	10
12	$\times 2/3 =$	8
9	$\times 2/3 =$	6
6	$\times 2/3 =$	4

3. 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).
4. Failure to maintain the requirements in paragraphs 1 and 2 above will result in a **warning status**. *The VA will be notified of a student in warning status.* Funding will be limited to one additional semester **only** if it can be reasonably expected the student can successfully reinstate Standards of Satisfactory Progress by the end of the term. If a student does **not** reinstate Standards of Satisfactory Progress at the end of the term, **all** Veterans education benefits will be **cancelled**, the student is placed on **probation status**. *Probation status is reported to the VA and no coursework will be certified for VA education benefits until satisfactory progress has been met.*
5. **NOTE: A student who finishes a semester with straight F's, W's or WI's (or combination thereof) is immediately cancelled and placed on probation status. All federal financial aid programs, including Veterans education benefits, will be cancelled as the student will not be able to meet the Standards of Satisfactory Progress** (unless it can be reasonably expected the student can successfully reinstate Standards of Satisfactory Progress by the end of the next term). *Probation status is reported to the VA and no coursework will be certified for VA education benefits until satisfactory progress has been met.*
6. If a student is cancelled and placed on **probation status**, and they feel there are extenuating circumstances as to why they did not meet STANDARDS OF SATISFACTORY PROGRESS, they may file a written PETITION to appeal to reinstate financial aid. The PETITION and all supporting documentation is submitted to the Financial Aid Office **no later than two weeks prior to the start of the term**. *IF PETITION is approved, probation status will not be reported to the VA (or recertification will be made) and VA benefits will continue if student is eligible.*

### **Additional Notes regarding Eligibility**

If student VA benefits are cancelled and petitions are denied, students are eligible to continue to enroll for courses if they pay for courses themselves.

## **Return of Title IV Funds**

Students who receive federal Title IV aid assistance and who cease attending classes or officially withdraw from classes at CWC may be required to repay a portion of the federal aid they have received. The student earns his or her aid based on the period of time he or she remains enrolled. During the first 60 percent of the enrollment period, a student is entitled to retain a percentage of their grant or loan assistance directly proportional to the percentage of the period of enrollment that was completed and for which assistance was awarded. 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 percentage of the enrollment period student completed.
2. Apply same percentage to 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 to return 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 to return total “unearned aid” minus the amount the school is responsible to return.
5. “Unearned Aid” returned by the college and/or the student will be allocated to the Title IV Programs from which the student received assistance in the following order:
  - a. Unsubsidized Federal Direct Loan
  - b. Subsidized Federal Direct Loan
  - c. Federal PLUS Loan
  - d. Federal Pell Grant
  - e. Federal SEOG Grant

The college must allocate its share of “unearned aid” first. The student’s share is fully allocated among the programs not satisfied by the college’s share. Then, any portion of the student’s share that is allocated to a grant program is reduced by 50 percent.

Grants may be repaid over a two-year period under a satisfactory repayment arrangement with the CWC Business Office. Any portion of the student’s share that is allocated to a loan program is repaid under the terms and conditions of the loan as specified in the promissory note.

## **Veterans’ Aid**

Central Wyoming College has been approved by both state and federal Veterans Administrations to offer training to veterans under the various public laws pertaining to financial aid for veterans.



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.

## Vocational Rehabilitation

The State Department of Vocational Rehabilitation and the Department of Health and Social Services offer 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: Workplace Investment Act (WIA) or Bureau of Indian Affairs (BIA). Contact the local Employment Resources Center for WIA benefits.

## Scholarships

Central Wyoming College and private donors offer a variety of scholarships. Awards are based on scholastic or activity-oriented abilities. 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](http://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 stipulated in the scholarship section of the CWC website [www.cwc.edu](http://www.cwc.edu). Standards of progress requirements vary from scholarship to scholarship and individual recipients should familiarize themselves with the standards applying to them.

## 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 which qualify under this legislation are those which meet labor and economic development needs, and may be for-credit or non-credit.

**Eligibility criteria includes the following:**

- The student must make 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.

**Eligible Programs:**

Accounting Career, AAS \*\*

Accounting-Bookkeeping, Cert I \*\*

Administrative Assistant, AAS \*\*

Certified Nursing Assistant - (NRST-1500 Nursing Assistant course leads to CNA certification) \*\*

Computer Science, AS \*\*

Computer Technology, AAS \*

Culinary Arts, AAS \*\*

Culinary Arts, Cert I \*\*

Electrical Apprenticeship, Cert II \*\*

Hotel and Restaurant Management, AAS \*

Human Services - Addiction Option, AAS \*\*

Human Services - General Option, AAS \*\*

New Media, AAS \*\*

Software Support Specialist, AAS \*\*

**\* *Wyoming Works Standard Grant Eligible***

**\*\* *Wyoming Works Critical Grant Eligible***

**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) \*\*

Award may vary based on length of program and enrollment level.

Proration may occur under consortium agreements.

Please see the Financial Aid office for more information.

# Student Services

## Personal Counseling

Counseling has offices in the Student Success Center, MH123F, and in Rustler Central, MH101T. A variety of educational support services are provided to assist students with educational, vocational and personal needs.

Personal counseling is provided by Licensed Professional Counselors 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.

A variety of assessment services are available to CWC students. Such services include career assessments, depression and anxiety screening, and personality assessment.

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

## Career Information

Central Wyoming College offers extensive career information which is useful to students exploring a broad variety of career choices. With assistance from the counselors and their respective Success Coaches, or the Career Services Coordinator, students obtain information about training and education requirements, potential earnings, and the future employment outlook for numerous careers.

Students and alumni also have access to listings of full-time, part-time, and summer jobs off-campus – the student/alumnus should register at [www.collegecentral.com/cwc](http://www.collegecentral.com/cwc) or check the Employment bulletin boards on campus. For help in obtaining employment the counselors and Success Coaches, or Career Services Coordinator can help write resumes and prepare students/alumni for job interviews.

Limited on-campus employment opportunities are also available for currently enrolled students, by contacting the Human Resources Office, or registering online at the CWC website.

All career and job placement information is available by contacting one of the Counselors either in the Student Success Center, MH 123F, or Rustler Central, MH 101T.

## 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, 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 Vice President for Student Affairs. The Success Coach or Vice President for Student Affairs 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; Member-North Central Association, 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 North Central Association of Colleges and Schools, Commission on Institutions of Higher Education 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 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.

## **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 provides disabilities screening and 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 located in the Student Success Center, MH 123F.

Request for special accommodations for classes must be submitted in writing along with supporting documents to the Disability Services Office at least 30 working days 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.

## **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.

## 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, veteran's affairs, Bureau of Indian Affairs, Department of Vocational Rehabilitation, Training Readjustment Act, and Workplace Investment Act application, certification, and funding.

## 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.

## TRIO-Student Support Services

### Supporting your learning and success!

**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** counseling, success coaching, advocacy, time management and goal setting.
- **Special opportunities** such as tutoring, transfer options, mentoring, equipment lending program, skills development and additional funds for qualifying students.

You may be eligible for SSS if you are citizen or permanent resident of the United States and at least one of these fits you:

- You are a student who has not already earned a college degree.
- 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 have a documented physical or learning disability.

SSS offices are located in the Student Success Center: Main Hall 123. Applications are available at the Student Success Center and at Rustler Central.

### **Computer Assisted Learning Lab (CAL Lab)**

The CAL Lab, located in MH133, is an open lab available for CWC student use from 8:00 a.m. – 5:00 p.m. Monday through Friday. Tutoring assistance is available.



## Food Service

The Food Court, located in the Student Center on the CWC campus, 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.

Food Court options include a daily breakfast, lunch and dinner special, grill menu, Mexican station, pizza, sandwiches, salad bar, fruit, snacks, ice cream and beverages. The Food Court is open 7 a.m. to 7 p.m. Monday through Friday and 11 a.m. – 2 p.m. on Saturday and Sunday. The Food Court is closed or will have limited operations during all college holidays and vacations. The Food Court 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 the Food Court 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. The Food Court also accepts cash, local checks, and credit/debit cards.

Students who have questions or comments concerning the Food Court are encouraged to visit with the Food Service manager.

## 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 Residential Life Manager. 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) and to cable television (TV not provided) is 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 listen to music on a surround sound system.

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

Resident Assistants (RAs) assist the Residential Life Manager in matters of administration, discipline, personal help, 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. *This building will only be used if student needs require it.*

A furnished central lounge provides a place for students in each area to watch television, talk, relax and study. Laundry facilities and open computer stations 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 and to cable television, (TV not provided). Internet, cable TV, 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 Full Meal Plan or Three-Quarter Meal Plan, which gives students the flexibility to budget their semester food purchases in the Food Court.

Resident Assistants (RAs) assist the Resident Life Manager in matters of administration, discipline, personal help 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). 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 bedroom apartments are fully furnished and include living, dining and kitchen areas. Each apartment complex also offers central laundry facilities. Cable TV, high speed Internet connection (Wi-Fi), and utilities are fully included in the rent.

Apartment residents must participate in a declining balance Apartment Meal Plan, Three-Quarter Meal Plan, or Full Meal Plan, giving those students the convenience of budgeting occasional meals and snacks from the Food Court.

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

### **Sinks Canyon Center**

Housing at Sinks Canyon Center is open for students in the outdoor education program. Located in Lander, a bunkhouse and cabins provide a place for students to live and learn, right at the base of the state park. The bunkhouse is designed with a key-less entry system on all doors and has 12 two-person rooms. Each room has two beds, two desks, a trashcan, a wardrobe-style closet, and a dresser. The bunkhouse lobby has lounge furniture, a television, and a microwave. There are also 7 cabins available. Each cabin has beds, a desk and chair, a closet railing (not enclosed), and a front porch with seating. All SCC residents (bunkhouse and cabins) share a shower-house, which has bathrooms and showers, as well as a laundry room around the back. There is no meal plan available for Sinks Canyon residents. However, a large, communal kitchen is located in Fremont Hall for students to prepare their own meals in.

### **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 reservation/damage deposit is required along with the housing application. Freshmen will be assigned to the Mote Hall, or the Residence hall if space is required, but can be reassigned to the apartments as space permits. Damage deposit, 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 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 available for student and public use in addition to space and resources. CWC Librarians can provide information literacy sessions, as well as one-on-one research assistance, and citation assistance to help to improve college performance. Inside the Library student will also find the IT Help Desk (see below), the Testing 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 resources through the CWC student account. The Library offer a significant collection of books about Wyoming and Native American history, plus diverse physical resources including educational models, games, laptops, iPads and more. CWC students may also request items from other libraries around the state and nation at no (or minimal) charge, through inter-library loan. In addition, the Library has popular fiction and non-fiction books and audiobooks for student leisure. During the Fall and Spring semester the Library is open 7 days a week (Monday - Thursday from 8AM-9PM, Friday from 8AM-5PM, Saturday from noon to 5PM, and Sunday from 2PM to 7PM) excluding campus holidays. Summer semester and school break hours are Monday -Friday 8AM to 5PM. (Hours are subject to change.) Please visit the Central Wyoming College Library website at <http://www.cwc.edu/library/> or call 307-855-2141 for more information.

**Library IT Help Desk**

The IT Help Desk is located at the library front desk, and is staffed by trained students and library staff as well as providing 24/7 after hours' phone service. The help desk can assist students in person, via email and by phone with common technology problems, including logging into 'My Central' account. Current Library hours for in-person and immediate email help are listed above and on our Library web site. Please contact the Help Desk via email at [helpdesk@cw.edu](mailto:helpdesk@cw.edu) or by phone at 307-855-2198 or 877-292-3375.

**Library Testing Center**

The CWC Riverton campus Testing Center is located in Main Hall on the first floor of the library. Eight workstations are available for proctored computerized or paper exams in a quiet, secure environment. Proctored testing is offered for CWC programs, make-up exams for students in CWC classes, some accommodated testing for students with disabilities, and a wide variety of certification exams. Placement testing for class registration at CWC is offered at the Riverton, Lander, Dubois, and Jackson campus sites. All sites proctor distance education tests for our online students and for local students attending other online colleges. Testing Center hours are Monday – Friday 8:30AM - 5PM. Appointments are required in most circumstances. The Riverton campus Testing Center can be contacted by email at [testcenter@cw.edu](mailto:testcenter@cw.edu) or by phone at 307-855-2298. Contact information for Riverton and our outreach test centers is listed on the CWC website [www.cw.edu/library/testingcenter/](http://www.cw.edu/library/testingcenter/).

## 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, dances, movie nights, student trips, 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 volleyball, men's basketball, women's basketball, golf, cross country and 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.

## College and Career Readiness Program

The Riverton area office of the College Career and Readiness Program is located in Main Hall, room 176. Among its services, the Adult Education (AE)/ High School Equivalency (HEQ) program administers the necessary tests and awards the equivalent of the high school diploma to those who successfully complete all requirements.

Students must be 18 years of age or older to take the HiSet Test Battery without restriction. Students who are 16 or 17 years of age and not attending high school may qualify for an age waiver from the Wyoming Community College Commission. Qualification depends upon attainment of required scores on subject practice tests. The HiSet Test Battery covers five areas: Language Arts-Reading, Social Studies, Science, Language Arts-Writing, and Math. Adult Education instruction and testing are also provided by outreach centers in Jackson, Lander, and Ft. Washakie.

Preparation for the HiSet Test Battery is offered in classes or as individualized instruction during the daytime or evening hours at the AE Centers in the CWC service area. There is a registration fee each semester for enrollment in the program; however, no student will be denied access because of an inability to pay. There is also a fee for taking the battery of HSEC exams. Students who qualify will be assisted with the testing fee.

Accommodations can be provided to students with documented disabilities. Disclosure of a disability is voluntary. Accommodations are provided only to students who request them. Interested persons should contact the College and Career Readiness Program on the CWC campus for more information, 307.855.2193 or 800.745.8418, ext. 2193.

# Degrees & Certificates

## **Associate of Arts Degrees**

American Indian Studies  
Anthropology  
Art  
Communication  
Criminal Justice  
Early Childhood Education  
Elementary Education  
English  
Film  
Interdisciplinary Studies  
Interdisciplinary Studies: Theatre/Film  
Meta Major: Business  
Meta Major: Humanities  
Meta Major: Social Science  
Meta Major: Visual and Performing Arts  
Music  
Outdoor Education and Leadership  
Pre-Legal Studies  
Psychology  
Secondary Education  
Theatre

## **Associate of Science Degrees**

Accounting  
Agriculture – Animal Science Option  
Agriculture - Meat Science and Food Technology Option  
Agriculture – Range Management Option  
Agri-Business  
Business Administration  
Computer Science  
Engineering  
Expedition Science  
Equine Science  
Mathematics  
Meta Major: Health Science  
Meta Major: STEM  
Outdoor Recreation  
Science



**Associate of Applied Science Degrees**

Accounting-Career

Administrative Assistant

Automotive Technology

General

Power Sports

Business Management

Communication

Computer Technology

Cosmetology

Criminal Justice

Culinary Arts

Early Childhood

Entrepreneurship

Environment, Health, and Safety

Environmental GIS Technician

Equine Management: Entrepreneur Option

Equine Management: Teaching Riding Option

Equine Management: Training Option

Farm and Ranch Resource Management

Film

Geospatial Information Science and Technology

Hotel and Restaurant Management

Human Services

General

Addiction

New Media

Photography

Software Support Specialist

Technical Studies

Technical Studies: Entrepreneurship and \_\_\_\_

Technical Studies: Theatre/Film

Welding

**Associate Degree in Nursing**

Nursing

**Certificate I**

Accounting-Bookkeeping

Automotive Technology

General

Power Sports

Computer Technology

Cosmetology

Esthetician

Hair Technician

- Culinary Arts
- Dental Assistant
- Entrepreneurship
- Environment, Health, and Safety
  - Environmental GIS Technician
- Equine Management: Entrepreneur Option
- Equine Management: Teaching Riding Option
- Equine Management: Training Option
- Farm and Ranch Resource Management
- Geospatial Information Science and Technology
- Hotel and Restaurant Management
- Medical Assistant
- Meta Major: Health Science
- Office Support
- Technical Studies
- Welding

### **Certificate II**

After School and Youth Development

Art

- Two Dimensional
- Three Dimensional

Artist Credential

Automotive Technology

- General
- Power Sports

Computer Technology

Cosmetology

- Cosmetology Instructor
- Nail Technician

Dental Assistant

Electrical Apprenticeship

Entrepreneurship

EHS Expedition Science

Equine Technology

Farm and Ranch Management

Farrier Science

Geospatial Information Science and Technology

Hotel and Restaurant

Leadership Studies

Medical Office Support

Office Specialist

Patient Care Technician

Teaching Riding

Welding

## 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 earning an AA, AS, or AAS degree in a specific program of study may earn additional degree(s). There must be at least twelve (12) credits difference between programs of study while satisfying the degree requirements for each program.

Students earning an approved individualized degree in either Interdisciplinary Studies or in Technical Studies may earn a second degree in a different program of study which excludes the disciplines identified in the Interdisciplinary Studies or Technical Studies. The degree requirements must be satisfied in both degrees.

## 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 Degree are eligible to graduate from Central Wyoming College. In order to graduate, students must apply for graduation by completing the Application for Graduation form. The application is located in MyCentral via the Rustler Central (Self-Service) Icon then click into the Graduation Overview. This will assure the potential graduate's preferences are honored for diploma name, address, academic program, attendance at the commencement ceremony in the spring and publication of their degree.

A completed Program Evaluation signed by the appropriate Dean must be submitted to the Student Records office by the graduation application deadline. A Program Evaluation can be obtained by seeing the student's advisor or through the myAdvisor link of myCentral. The graduation application deadline is posted on the Graduation page of the CWC website, in the student handbook and in the course schedule. Failure to complete the application for graduation form and/or a signed program evaluation by the published graduation deadline will postpone the student's graduation date into the next term.

## 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 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:

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

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, humanities and co-curricular are examples.

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

### **Writing Level I: (WR1)**

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

#### **Student Objectives**

- 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 Objectives**

- 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

### **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 Objectives**

- 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 Objectives**

- 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 Objectives**

- 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

**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 Objectives**

- 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 Objectives**

- 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 Objectives**

- 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

**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 Objectives**

- 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

**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 Objectives**

- 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 Objectives**

- 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 Objectives**

- 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

## **Degree Requirements**

### **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
<b>Total</b>	<b>29 Credits</b>

***\* 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
<b>Total</b>	<b>16 Credits</b>

**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
<b>Total</b>	<b>22 Credits</b>

# 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.***

## COURSE OFFERING CYCLES

Central Wyoming College maintains a list of all courses offered at the institution, including how often the courses are offered (term) and by location. This is a great resource to use when planning your schedule and developing your academic plan. Follow this link to view the CWC Course Offering Cycle List: [CWC Course Offering Cycles](#)

## 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 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.



## 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 these programs are not primarily intended for transfer to four-year colleges or 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. 55).*

## 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 pursue a Bachelor of Applied Science offered at four-year institutions, including the University of Wyoming. Second, the degree will allow students to combine two technical degrees 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 critical and creative thinking, communication, self-directed learning, and technological literacy. The general education courses meet the basic requirements for transfer to the University of Wyoming for those students interested in the Bachelor of Applied Science.

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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/ LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	6 credits
UNST (p. 329)	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.*

### General Electives (6 credits)

**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. 329) or ORAL (p. 329), 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. 329) (p. 329))	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	3 credits
UNST (p. 329)	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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)	3 credits
WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### **Program Requirements**

#### **Course Requirements**

PFDV 1500	Managing Career Development	3
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#### **Discipline Specific Technical Courses \***

BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
	OR	
ENGL 2005	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
MGT 1040	Bus Law I: Legal Environment of Business	3
MGT 2110	Business Ethics	3
MKT 1000	Advertising & Sales Promotion	3
MKT 2100	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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	3 credits
ARTS (p. 329)	(in program)
ORAL (p. 329)/WR2 (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
FILM 1200	Cinema History	3
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
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 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:

CO/M 1480	Media Arts:	3
FILM 1300	Editing	3
FILM 2100	Cinematography	3
FILM 2300	Directing	3

FILM 2400	Screenwriting II	3
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**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 students the opportunity to earn a Bachelor of Arts or Bachelor of Science degree offered at four-year institutions, including the University of Wyoming. Second, the degree will allow students to combine two transfer disciplines to prepare the student to declare a major and a minor at the four year institution.

The general education requirements are designed to encourage students to develop critical and creative thinking, communication, and self-directed learning, while recognizing diversity and increasing technological literacy and meet the first two years of four year degree general education requirements transferring to the University of Wyoming.

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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(in program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

**Program Requirements****Film Requirements**

FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
FILM 1200	Cinema History	3
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	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:**

CO/M 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: 60**

## Discovering Your Program of Study through Meta Majors

The Meta Major degree is a group of courses that crosses different fields. The program creates a clear pathway towards a variety of careers but features a level of freedom that gives the student ample room for exploration.

The following broad career pathways, Meta Majors, are listed below for students to choose from:

### Associate of Arts Meta Majors:

- Business
- Humanities
- Health Science
- Social Science

### Associate of Science Meta Majors:

- Health Science
- STEM

### Certificates of Meta Majors:

- Health Science

## META MAJOR: BUSINESS, AA

### Program Description

The world of business is dynamic and complex. The Meta Major: Business, Associate of Arts (AA) degree, allows students to 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 to give students a strong business curriculum foundation which enables them to build on and transfer to a four-year institution. This transfer program will also enhance skills and competencies in current jobs, and assist in career advancement opportunities. Students who are unsure if Business is the field for them are encouraged to try this business exploration program degree.

Students who are interested in transferring to the College of Business at the University of Wyoming (UW) are encouraged to declare, after their first semester and/or year, a major either in Business Administration AS or Accounting AS. These two degrees coincide with the requirements for the freshman and sophomore students attending the College of Business at UW. Upon completion of the degrees, students transferring to the College of Business at UW are enrolled as juniors.

**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

ACCT 1010	Principles of Accounting I	4
BADM 1020	Business Communications	3
CMAP 1680	Microcomputer Applications:	3
ECON 1010	Macroeconomics	3
FIN 1000	Personal Finance	3
MATH 1400	College Algebra	4
MGT 2000	Introduction to Business	3
MGT 2100	Principles of Management	3
MKT 2100	Principles of Marketing	3

**Program Electives**

**Students must choose a minimum of six (6) credits from the following list of program electives:**

ACCT 1020	Principles of Accounting II	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 1040	Bus Law I: Legal Environment of Business	3
MGT 2110	Business Ethics	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/Social Sciences	4

**General Electives (5 credits)**

**Total Credit Hours: 60**

## META MAJOR: 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 goal of this program is to encourage development of a strong curricular foundation in life science, while allowing the student to explore areas of interest more deeply through selection of elective courses. The CWC nursing student working toward a baccalaureate degree in nursing at the University of Wyoming benefits from this program of study, as does the student interested in the healthcare field who is unsure of a particular area of focus. The student is strongly encouraged to meet with an academic or faculty advisor when selecting course electives.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	(in program)

### Program Requirements

#### Course Requirements

BIOL 1010	General Biology I	4
CHEM 1000	Introduction to Chemistry <b>OR</b>	4
CHEM 1020	General Chemistry I	4
HLTK 1200	Medical Terminology	3
MATH 1400	College Algebra	4
MOLB 2210	General Microbiology	4
PSYC 1000	General Psychology	4
STAT 2050	Fundamentals of Statistics <b>OR</b>	4
STAT 2070	Intro. Statistics/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 nine (9) credits from the following list of program electives:**

ANTH 1200	Introduction to Cultural Anthropology	3
ART 2010	Art History I	3
ART 2020	Art History II	3
CHEM 1030	General Chemistry II	4
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
FCSC 1140	Nutrition	2
HLED 1245	Basic Life Support Certification	0.5
HLTK 1665	Electrocardiography Techniques	1
HLTK 1685	Expanded Patient Care	2
MEDA 1510	Phlebotomy and Lab Techniques	2
NURS 1400	LPN Transition	2
NRST 1500	Nursing Assistant	4
PHYS 1050	Concepts of Physics	4
SOC 1000	Sociological Principles	3
ZOO 2140	Cadaver Anatomy	2

**Total Credit Hours: 60**

## META MAJOR: 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 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	(in program)

### Program Requirements

#### Course Requirements

BIOL 1010	General Biology I	4
CHEM 1000	Introduction to Chemistry	4
MATH 1400	College Algebra	4
HLTK 1200	Medical Terminology	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: 31**

## META MAJOR: HUMANITIES, AA

### Program Description

This is a college transfer program for students who wish to combine coursework in several areas of interest within the humanities and the arts. Students may include a variety of courses or may concentrate on more specific areas of interest.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(in program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

**Students must choose a minimum of twenty-one (21) credits of course program requirements from the following list of courses:**

ART 1000	General Studio Art	3
	OR	
ART 1005	Drawing I	3
	OR	
ART 1150	B&W Film Photography I	3
	OR	
ART 2145	Digital Photography I	3
	OR	
ART 2210	Painting I	3
	OR	
ART 2310	Sculpture I	3
	OR	
ART 2410	Ceramics I	3
ART 2010	Art History I	3
ART 2020	Art History II	3
CO/M 2135	Gender and Communication	3
ENGL 2050	Creative Writing- Introduction to Fiction	3
ENGL 2140	World Literature	3
FILM 1200	Cinema History	3

HIST 1110	Western Civilization I	3
	OR	
HIST 1120	Western Civilization II	3
HUMN 2025	Humanities Through the Arts	3
MUSC 1000	Introduction to Music	3
THEA 1000	Introduction to the Theatre	3

### Program Electives

**Students must choose a minimum of nine (9) credits either from previously unselected program requirements listed above or program electives listed below.**

ENGL 2050	Creative Writing- Introduction to Fiction	3
ENGL 2230	Introduction to Shakespeare	3
ENGL 2286	Legends and Lore	3
FILM 1000	Introduction to Film	3
HIST 2290	History of U.S. Indians	3
HUMN 2430	World Religions	3
LIBS 2280	Literature for Children	3
MDIA 1000	Introduction to Mass Media	3
MUSC 1015	Music Fundamentals	3
MUSC 1425	History of Rock Music	3
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2020	Theatrical Backgrounds Drama II	3

**Total Credit Hours: 60**

## META MAJOR: SOCIAL SCIENCE, AA

### Program Description

The Associate of Arts (AA) in Social Science is a transfer degree designed for students interested in one or more of the Social Sciences. This multi-disciplinary program provides 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. Students may concentrate their focus in an individual area or choose courses from multiple areas of interest.

The Social Science AA degree at Central Wyoming College is closely aligned with the Social Science distributed major program at the University of Wyoming and is a good choice for students planning to continue study in one or more of the Social Sciences at UW or any other four-year institution. Programs in this major may be tailored to the specific goals of the student in consultation with a program advisor. It is possible to complete the Social Science AA degree program on campus, entirely online, or through a combination of classroom and distance courses.

Specific required courses are selected to complete the Social Science AA online degree. Students must work closely with their advisor to ensure registering for the selected online courses.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

AIST 1350	American Indians in Contemporary Society	3
ANTH 1200	Introduction to Cultural Anthropology	3
CRMJ 2120	Intro to Criminal Justice	3
ECON 1010	Macroeconomics	3
PSYC 1000	General Psychology	4
SOC 1000	Sociological Principles	3
HUMN 2430	World Religions	3
	OR	
RELI 2225	History of Christianity	3
	OR	
RELI 2320	History of Islam	3

## Program Electives

**Student must choose twelve (12) additional credits from the following list:**

AIST XXXX	Any American Indian Course	
HIST XXXX	Any History Course	
POLS XXXX	Any Political Science Course	
PSYC XXXX	Any Psychology Courses	
RELI XXXX	Any Religion Courses	
ANTH 1300	Intro to Archaeology	3
CMAJ 1680	Microcomputer Applications:	3
CRMJ 2100	Politics & Judicial Process	3
CRMJ 2210	Criminal Law	3
CRMJ 2360	Intro to Corrections	3
CRMJ 2400	Criminology	3
CRMJ 2410	Juvenile Delinquency	3
ECON 1020	Microeconomics	3
G&R 1000	World Regional Geography	



G&R 1020	Intro to Human Geography	3
HUMN 2430	World Religions	3
PHIL 1000	Intro to Philosophy	3
SOC 1100	Social Problems	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/Social Sciences	4

*CMAP 1680: Students who have limited or no computer experience must take CMAP 1680.*

### General Electives (3 credits)

**Total Credit Hours: 60**

## META MAJOR: 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 in the above areas. The Meta Major: STEM Associate of Science (AS) degree allows students to explore the concepts from the four aspects of STEM education.

The goal of this program is to give students 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. Students who are interested in courses related to science, technology, engineering or math but are unsure of a specific career in a STEM field are encouraged to declare this program of study.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
CHEM 1021	Chemical Problem Solving I	1
MATH 1400	College Algebra	4

PHYS 1110	General Physics I	4
	OR	
PHYS 1310	College Physics I	4
SOC 1000	Sociological Principles	3
	OR	
PSYC 1000	General Psychology	4

*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 1002	Discovering Science	4
BIOL 1080	Intro to Environmental Science	4
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
CHEM 1031	Chemical Problem Solving II	1
CHEM 2300	Introductory Organic Chemistry	4
	OR	
CHEM 2320	Organic Chemistry I	4
CHEM 2340	Organic Chemistry II	4
GEOL 1100	Physical Geology	4
GEOL 1470	Environmental Geology	4
G&R 1010	Intro to Physical Geography	4
MOLB 2210	General Microbiology	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4

### Technology Electives

CMAP 1650	Introduction to Networking	3
CMAP 1680	Microcomputer Applications:	3
CMAP 1815	Database Applications:	3
COSC XXXX	Any COSC Course	
CSEC 1500	Computer Network Security +	3
GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2100	Advanced Geographic Information Systems	4
GEOG 2150	Geoinformation Science & Tech	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/Social Sciences	4

**Total Credit Hours: 60****META MAJOR: VISUAL AND PERFORMING ARTS, AA****Program Description**

This unique program gives students the ability to design their own course of study in the Visual and Performing Arts. Art, Music and Theatre classes are combined based on the student's interests and goals to create a personalized arts-based degree.

**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(in program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

**Program Requirements**

**Student must take twenty-four (24) credits of course program requirement, six (6) from each content area (ARTS, MUSC, THEA, FILM):**

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
FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
MUSC 1015	Music Fundamentals	3
MUSC 1050	Private 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 1452	Handbell Choir	1
THEA 1100	Acting I	3
THEA 2100	Acting II	3
THEA 2405	Theatre Seminar	3

### Program Electives

**Student must choose nine (9) additional credits from either previously unselected program requirements listed above or program electives listed below:**

ART 2010	Art History I	3
ART 2020	Art History II	3
FILM 1200	Cinema History	3
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
MUSC 1000	Introduction to Music	3
MUSC 1425	History of Rock Music	3
THEA 2010	Theatrical Backgrounds Drama I	3
THEA 2020	Theatrical Backgrounds Drama II	3
THEA 2220	Stagecraft	3

### General Electives (4 credits)

**Total Credit Hours: 60**

## 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. 329))	3 credits
Writing Level II (WR2 (p. 329))	(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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1020	Principles of Accounting II	3
AGEC 2020	Farm and Ranch Business Management	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
CO/M 1010	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 <b>OR</b>	4
STAT 2070	Intro. Statistics/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	Livestock Production I	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 Range 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 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.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	[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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	[in program]
LSCI (p. 329)	[in program]
MATH (p. 329)	[in program]
ORAL (p. 329)	[in program]
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

AGEC 2020	Farm and Ranch Business Management	4
ANSC 1010	Livestock Production I	4
ANSC 2020	Feeds and Feeding	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4
CHEM 1000	Introduction to Chemistry	4
CO/M 1010	Public Speaking	3
ECON 1010	Macroeconomics	3
FDSC 2040	Principles of Meat Animal Evaluation	3
MATH 1400	College Algebra	4

REWM 2000	Principles of Range Management	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/Social Sciences	4

### Program Electives

**Student must choose a minimum of three (3) 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
REWM 1000	Intro to Range Management	1

**Total Credit Hours: 60**

## AGRICULTURE-MEAT SCIENCE AND FOOD TECHNOLOGY 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 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.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ANSC 1010	Livestock Production I	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4

CHEM 1000	Introduction to Chemistry	4
CO/M 1010	Public Speaking	3
ECON 1010	Macroeconomics	3
FDSC 1410	Food and Our Well Being	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/Social Sciences	4

### Program Electives

**Student must choose a minimum of three (3) 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

### General Electives (4 credits)

**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 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.



**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
CHEM 1000	Introduction to Chemistry	4
CO/M 1010	Public Speaking	3
ECON 1020	Microeconomics	3
FDSC 2040	Principles of Meat Animal Evaluation	3
MATH 1400	College Algebra	4
REWM 1300	Intro to Water Resources	3
REWM 2000	Principles of Range 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/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	Livestock Production I	4
ANSC 2020	Feeds and Feeding	4
REWM 1000	Intro to Range Management	1

**General Electives (4 credits)****Total Credit Hours: 60**

## 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: ENTREPRENEUR OPTION, AAS

### Program Description

The Associate of Applied Science in Equine Management: Entrepreneur Option Degree is designed for the student who may or may not own their own horse, but is seeking a career in the equine industry. The student will gain equine facility management skills. The student will develop an entrepreneurial mindset which includes investigating business opportunities, financing a business and strategic planning. Program electives allow the student to select additional equine courses to complement specific interests.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 331).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 331)/SOC (p. 329)/WR2 (p. 329)	6 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ANSC 1030	Equine Management	3
BADM 2100	Small Business Practices	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
EQST 1510	Equine Nutrition	3
EQST 1605	Equine Facility Mgmt I	3
EQST 2705	CHA Equine Facility Mgt Certification	3
MKT 1000	Advertising & Sales Promotion	3
	OR	
MKT 1510	Entrepreneurial Marketing	3

## Program Electives

**Choose twelve (12) credits from the following:**

EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 1600	Training for Timed Events	3
EQST 1601	Horse Event Production	2 - 4
EQST 1670	Training the Roping Horse I	3
EQST 1640	Fundamentals of Teaching Riding I	3
EQST 1690	English Equitation I	3
EQST 1695	English Equitation II	3
EQST 1805	Farrier Science I	3
EQST 1810	Farrier Science II	3
EQST 1811	Farrier Science III	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 2640	Fundamentals of Teaching Riding II	3
EQST 2720	Training the Cutting Horse I	3
EQST 2725	Training the Cutting Horse II	3
WELD 1700	General Welding	4

**Total Credit Hours: 61**

## EQUINE MANAGEMENT: TEACHING RIDING OPTION, AAS

### Program Description

The Associate of Applied Science in Equine Management: Teaching Riding Option Degree is designed to provide the student who has 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 certified process conducted by professionals from the Certified Horsemanship Association (CHA). The student will also evaluate and investigate business opportunities, financing a business, legal issues, advertising, and strategic planning. The student will select additional equine courses to complement specific interests. The student must supply a horse and western tack for this program.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 331).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 331)/SOC (p. 329)/WR2 (p. 329)	6 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ANSC 1030	Equine Management	3
BADM 2100	Small Business Practices	3
ENTR 2510	ENTR III: Financing Your Business	3
ENTR 2520	Legal Issues for Entrepreneurs	3
ENTR 2535	ENTR IV: Strategic Planning	3
EQST 1510	Equine Nutrition	3
EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 1640	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
MKT 1000	Advertising & Sales Promotion	3
	OR	
MKT 1510	Entrepreneurial Marketing	3

### Program Electives

#### Choose three (3) credits from the following:

EQST 1600	Training for Timed Events	3
EQST 1605	Equine Facility Mgmt I	3

EQST 1601	Horse Event Production	2 - 4
EQST 1670	Training the Roping Horse I	3
EQST 2615	Stock Horse Use & Showing I	3
EQST 2625	Stock Horse Use & Showing II	3
EQST 2640	Fundamentals of Teaching Riding 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

**Total Credit Hours: 61**

## **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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 331).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 331)/SOC (p. 329)/WR2 (p. 329)	6 credits
UNST (p. 329)	1 credits

### **Program Requirements**

#### **Course Requirements**

ANSC 1030	Equine Management	3
BADM 2100	Small Business Practices	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

MKT 1000	Advertising & Sales Promotion	3
	OR	
MKT 1510	Entrepreneurial Marketing	3

### Program Electives

#### Choose twelve (12) credits from the following:

EQST 1600	Training for Timed Events	3
EQST 1605	Equine Facility Mgmt I	3
EQST 1601	Horse Event Production	2 - 4
EQST 1670	Training the Roping Horse I	3
EQST 1640	Fundamentals of Teaching Riding I	3
EQST 2210	CHA Standard Certification	3
EQST 2640	Fundamentals of Teaching Riding 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

**Total Credit Hours: 61**

## EQUINE MANAGEMENT: ENTREPRENEUR OPTION CERTIFICATE I

### Program Description

Equine Management: Entrepreneur Option Certificate I is designed for the student who may or may not own a horse, but is seeking a career in the equine industry. The goal of this degree is to provide the student with equine facility management skills and the opportunity to investigate small business practices, explore an entrepreneurial mindset and examine marketing strategies.

### General Education Requirements

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ANSC 1030	Equine Management	3
BADM 2100	Small Business Practices	3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
ENTR 1525	ENTR II: Opportunity Analysis	3
EQST 1510	Equine Nutrition	3
EQST 1605	Equine Facility Mgmt I	3
EQST 2705	CHA Equine Facility Mgt Certification	3
MKT 1000	Advertising & Sales Promotion <b>OR</b>	3
MKT 1510	Entrepreneurial Marketing	3

**Total Credit Hours: 31**

## 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 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 2100	Small Business Practices	3
EQST 1590	Horsemanship I	3
EQST 1595	Horsemanship II	3
EQST 1640	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 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ANSC 1030	Equine Management	3
BADM 2100	Small Business Practices	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 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ANSC 1030	Equine Management	3
BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4
CHEM 1000	Introduction to Chemistry	4
CO/M 1010	Public Speaking	3
ECON 1010	Macroeconomics <b>OR</b>	3
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 for Timed Events	3
EQST 1605	Equine Facility Mgmt I	3
EQST 1601	Horse Event Production	2 - 4
EQST 1670	Training the Roping Horse I	3
EQST 1640	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
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

## General Electives (3 credits)

**Total Credit Hours: 60**

## 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 for Timed Events	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 1640	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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1065	Computerized Accounting: OR	2
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	Livestock Production I	4
ANSC 2020	Feeds and Feeding	4
BADM 1020	Business Communications	3
BIOL 1010	General Biology I	4
CMA 1680	Microcomputer Applications: OR	3
CMA 1775	Spreadsheet Applications:	3
ECON 1020	Microeconomics	3
ENTR 1505	Entr I: Entrepreneurial Mindset OR	3
MGT 2000	Introduction to Business	3
FDSC 2040	Principles of Meat Animal Evaluation	3
REWM 1300	Intro to Water Resources	3
REWM 2000	Principles of Range Management	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2010	Introduction to Soil Science	4

*CMA 1775: Advanced level CMA 1680*

## 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	Introduction 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 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1065	Computerized 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	Livestock Production I	4
ANSC 2020	Feeds and Feeding	4
CMAP 1680	Microcomputer Applications: OR	3
CMAP 1775	Spreadsheet Applications:	3
FDSC 2040	Principles of Meat Animal Evaluation	3
REWM 2000	Principles of Range 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 students with basic farm and ranch management skills.

### Program Requirements

#### Course Requirements

ACCT/AECL/AGEC/ANSC/FDSC/REWM/SOIL/WELD	24
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**Total Credit Hours: 24**

## Business and Entrepreneurship

### ACCOUNTING, AS

### Program Description

Courses offered in this college transfer curriculum enable students to acquire background and training to enter private, public or governmental accounting positions upon completion of studies at a four-year college.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1020	Principles of Accounting II	3
ACCT 2230	Intermediate Accounting I	3
ACCT 2240	Cost/Managerial Accounting	3
BADM 1020	Business Communications	3
CO/M 1010	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 1040	Bus Law I:Legal Environment of Business	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/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.  
(*Wyoming Works Eligible*)

### General Education Requirements

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1065	Computerized Accounting:	2
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMAP 1775	Spreadsheet Applications:	3
MGT 2000	Introduction to Business	3

*CMAP 1775: Students who have limited or no computer experience, must take CMAP 1680.*

### Program Electives

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

ACCT, BADM, CMAP, CO/M, ECON, ENTR, MGT, MKT

**Total Credit Hours: 31**

## ACCOUNTING—CAREER, AAS



### Program Description

Preparation is directed toward careers in business and industrial accounting departments as accounting clerks and junior accountants. Some of the courses offered in this program may not be transferable to a four-year college. (**Wyoming Works Eligible**)

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1020	Principles of Accounting II	3
ACCT 1065	Computerized Accounting:	2
ACCT 1750	Income Tax	3
ACCT 2230	Intermediate Accounting I	3
ACCT 2240	Cost/Managerial Accounting	3
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMA 1775	Spreadsheet Applications:	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
MGT 1040	Bus Law I: Legal Environment of Business	3
MGT 2000	Introduction to Business	3
MGT 2100	Principles of Management	3
MGT 2110	Business Ethics	3
PFDV 1500	Managing Career Development	3

*CMA 1775: Students who have limited or no computer experience must take CMA 1680 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 students for immediate employment as key support personnel in an office environment. The program is designed to prepare students for positions that require technical office skills and may involve supervising office operations, interacting with customers or clients, and managing a billing system or budget. Students receive training in using current computer technologies and are given the opportunity to earn certification as a Microsoft Certified Application Specialist.

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 used by an Administrative Assistant. **(Wyoming Works Eligible)**

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1065	Computerized Accounting:	2
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
BOTK 1540	Business English	3
BOTK 1655	Speed and Accuracy Development	1
CMAP 1615	Operating Systems: OR	3
IMGT 2400	Intro to Information Management	3
CMAP 1725	Word Processing Applications:	3
CMAP 1775	Spreadsheet Applications:	3
CO/M 2130	Human Relations OR	3
MGT 2130	Human Relations	3
PFDV 1500	Managing Career Development	3

*CMA 1725: Students who have limited or no computer experience must take CMA 1680 before enrolling in CMA 1725.*

*CMA 1775: CMA 1725 can be used as an IT general education course ONLY in this program as they are higher level knowledge courses than CMA 1680.*

## Program Electives

Choose twelve (12) course credits from the following list of depts– as approved by major academic advisor:

ACCT, BADM, BOTK, CMA, CPED, ENTR, IMGT, MGT, MKT

## General Electives (10 credits)

**Total Credit Hours: 60**

## BUSINESS ADMINISTRATION, AS

### Program Description

Businesses need individuals who understand the fundamentals of business practice and who can compete effectively in an increasingly sophisticated, complex world. The goal of the Associate of Science in Business Administration degree program is to provide the first step in preparing students for a Bachelor's degree in general business administration. This transfer program will also enhance skills and competencies in current jobs, and assist in career advancement opportunities. In addition to the general education requirements which offer students a broad base of knowledge in English, communication, political science, and other areas, students will have an opportunity to explore disciplines such as accounting, economics, management, marketing, statistics, and math.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1020	Principles of Accounting II	3
BADM 1020	Business Communications	3
CO/M 1010	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 1040	Bus Law I: Legal Environment of Business	3
MGT 2100	Principles of Management	3
MKT 2100	Principles of Marketing	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/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 MANAGEMENT, AAS

### Program Description

In demand today are supervisors, managers, and employees who are competent in their field of expertise and who contribute to, as well as lead, the activity of the team. Employers look for leaders with the skills to resolve conflicts and manage diversity, encourage open communication, increase productivity, and improve morale. The mission of the Business Management program is to provide students with practical skills needed to be successful in current or future business activities. This applied program includes a set of core courses that address the critical aspects of effective supervision and management. The comprehensive curriculum includes study in general business, accounting, business law, management, economics, and marketing. In addition, general education courses offer students a broad base of knowledge in English, communication, computers, and math.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
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ACCT 1020	Principles of Accounting II OR	3
ACCT 2240	Cost/Managerial Accounting	3
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
BADM 2105	Small Business Management	3
CMAP 1775	Spreadsheet Applications:	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
FIN 1000	Personal Finance	3
IMGT 2400	Intro to Information Management	3
MGT 1040	Bus Law I:Legal Environment of Business	3
MGT 1200	Human Resource Management	3
MGT 2000	Introduction to Business	3
MGT 2100	Principles of Management	3
MGT 2130	Human Relations OR	3
CO/M 2130	Human Relations	3
MKT 2100	Principles of Marketing	3
PFDV 1500	Managing Career Development	3

*CMAP 1775: Students who have limited or no computer experience must take CMAP 1680.*

### Program Electives

#### (Choose 1 of the following courses)

ACCT 1065	Computerized Accounting:	2
ACCT 1750	Income Tax	3
BADM 2020	Bus Law II:Commercial Law	3
CMAP 1680	Microcomputer Applications:	3
CPED 1000	Co-Op Work Experience I:	3
ENTR 1505	Entr I: Entrepreneurial Mindset	3
ENTR 1525	ENTR II: Opportunity Analysis	3

**Total Credit Hours: 62**

## ENTREPRENEURSHIP, AAS

### Program Description

The Associate of Applied Science Degree in Entrepreneurship is designed for students who exhibit entrepreneurial potential and interest in developing a solid foundation in the entrepreneurial mindset. The program educates prospective entrepreneurs to develop, launch, grow, and sustain new business ventures. In addition, entrepreneurs who have already established a business can strengthen their managerial and business skills by evaluating entrepreneurial opportunities, managing risks, and transforming and/or reinventing their business. 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 critical and creative thinking, computation and communication skills, and basic technical skills used in the entrepreneurial world.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

ACCT 1010	Principles of Accounting I	4
ACCT 1065	Computerized Accounting:	2
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
ENGL 2005	Technical Writing	3
BADM 2105	Small Business Management	3
CO/M 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CO/M 1050	Conflict Mgmt & Mediation	3
CMA 1680	Microcomputer Applications:	3
ENTR 1501	Survey of Entrepreneurship	1 - 3
FIN 1000	Personal Finance	3
MGT 1040	Bus Law I: Legal Environment of Business	3
MGT 1200	Human Resource Management	3
MGT 2110	Business Ethics	3
MKT 1000	Advertising & Sales Promotion	3

MKT 2100	Principles of Marketing	3
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**Except for BADM 1005, BADM 1020, CMAP 1680, ENGL 2005, 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

### **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 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

### **Program Requirements**

#### **Course Requirements**

ACCT 1010	Principles of Accounting I	4
BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
	OR	
ENGL 2005	Technical Writing	3
BADM 2105	Small Business Management	3
CO/M 1050	Conflict Mgmt & Mediation	3
	OR	
CO/M 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CMAP 1680	Microcomputer Applications:	3

ENTR 1501	Survey of Entrepreneurship	1 - 3
FIN 1000	Personal Finance	3
MGT 1040	Bus Law I: Legal Environment of Business	3
MGT 1200	Human Resource Management	3
MKT 1000	Advertising & Sales Promotion	3

**Except for BADM 1005, BADM 1020, ENGL 2005 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	Advertising & Sales Promotion	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

MGT 1505	Foundations of Leadership	2
MGT 1510	Personal Leadership	3
MGT 1515	Leading Others	3
MGT 1520	Leadership Practicum	3

**Total Credit Hours: 10**

## MICROSOFT OFFICE SPECIALIST

See: Office Specialist Certificate II (p. 117) or Office Support Certificate I (p. 118)

## OFFICE SPECIALIST CERTIFICATE II

### Program Description

The Office Specialist Certificate II is designed for the student who wants to keep current with changing market requirements, but already has prior computer and office skills.

### Program Requirements

#### Course Requirements

BOTK 1540	Business English	3
CMA 1615	Operating Systems:	3
CMA 1680	Microcomputer Applications: OR	3
IMGT 2400	Intro to Information Management	3
CMA 1725	Word Processing Applications:	3
CMA 1775	Spreadsheet Applications:	3

**Total Credit Hours: 15**



## OFFICE SUPPORT CERTIFICATE I

### Program Description

The Certificate I in Office Support is intended to prepare students for entry-level positions in an office where they will perform basic office functions. Students will be introduced to fundamental computer concepts and applications to assist them in their employment.

The general education requirements are designed to encourage students to develop computation and communication skills.

### General Education Requirements

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 1020	Business Communications	3
BOTK 1655	Speed and Accuracy Development	1
CMAP 1615	Operating Systems:	3
CMAP 1680	Microcomputer Applications:	3
CMAP 1725	Word Processing 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, BOTK, CMAP, CPED, ENTR, MGT, MKT	7
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**Total Credit Hours: 30**

## Behavioral and Social Sciences

### AMERICAN INDIAN STUDIES, AA

#### Program Description

(formerly Native American Studies)

Courses in American Indian Studies 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 American Indian Studies 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 Indian student who seeks not only education but also wholeness through preparation for the future and respect for the past. The American Indian Studies program is a tool for that preparation and an affirmation of that respect. The program also offers non-Indian students 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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	(in program)
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

#### Program Requirements

##### Course Requirements

AIST 1350	American Indians in Contemporary Society	3
AIST 2000	Indians of the Wind River OR	3
HIST 1270	Indians of the Wind River	3
AIST 2100	Nation Building Leadership & Gvrnc	3
AIST 2140	Tribal Res Mgmt Econ Dev & Entre	3
AIST 2300	Federal Indian Law	3
AIST 2350	Cultural Institute	3

ARAP 1010	Arapaho I	4
	OR	
SHOS 1010	Shoshone Language I	4
CO/M 1010	Public Speaking	3
<b>Program Electives</b>		
<b>Choose six (6) credits from any department.</b>		
	Program Electives	6
<b>General Electives (6 credits)</b>		

**Total Credit Hours: 60**

## ANTHROPOLOGY, AA

### Program Description

Anthropology is the study of human societies and cultures across space and time. Anthropology strives to understand cultural and biological diversity in a holistic way, inspired by the humanities and the social and natural sciences. Core courses introduce students to the major subfields of Anthropology: archaeology, biological/ physical anthropology, cultural anthropology, and linguistics. This anthropological approach is enriched by an emphasis on interdisciplinary activities and perspectives, commitment to community, and extensive opportunities for fieldwork and student research projects.

Anthropology majors are required to have a field experience, accomplished through regular course offerings, an internship, or study abroad. Extensive opportunities for paid Cultural Resource Management internships and field archaeology positions are offered.

The Anthropology AA degree is appropriate for students intending to pursue higher degrees or careers in Anthropology or subfields including museums, history, education, business, social Sciences, or other similar fields.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

ANTH 1100	Introduction to Physical Anthropology	3
ANTH 1200	Introduction to Cultural Anthropology	3
ANTH 1210	Climate Change and the Human Experience	3
ANTH 1300	Intro to Archaeology	3
ANTH 2020	Material Culture Studies	3
G&R 1020	Intro to Human Geography	3

### Program-Electives

Students must choose thirteen (13) credits from the following departments:

ANTH, AIST, ART, BIOL, ECON, G&R, GEOG, GEOL, HIST, PSYC, SOC, STAT, or ZOO

### General Electives (3 credits)

**Total Credit Hours: 60**

## CRIMINAL JUSTICE, AA

### Program Description

The magnitude and changing complexity of criminal activities dictate the need for criminal justice personnel who have had a broad-based educational experience. The program as presented includes General Education courses from the college curriculum, specialized Criminal Justice core courses, essential interdisciplinary offerings, and suggested Criminal Justice requirements.

The Associate of Applied Science Program is designed to meet the needs of pre-service and in-service criminal justice personnel as a terminal degree. Alternately, the Associate of Arts Program fulfills the initial two-year curriculum for many four-year Criminal Justice programs.

Individuals desiring a career in corrections work may benefit from this curriculum by selecting certain recommended courses in corrections. Those students who plan a career in corrections counseling or administration should also plan to take graduate study.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

CRMJ 1020	Intro to Law Enforcement	3
CRMJ 2100	Politics & Judicial Process	3
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2140	Criminal Legal Procedures	3
CRMJ 2210	Criminal Law	3
CRMJ 2360	Intro to Corrections	3
CRMJ 2400	Criminology	3
CRMJ 2685	Research 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
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#### General Electives (1 credit)

**Total Credit Hours: 60**

CRIMINAL JUSTICE, AAS

Program Description

The magnitude and changing complexity of criminal activities dictate the need for criminal justice personnel who have had a broad-based educational experience. The program as presented includes General Education courses from the college curriculum, specialized Criminal Justice core courses, essential interdisciplinary offerings, and suggested Criminal Justice requirements.

The Associate of Applied Science Program is designed to meet the needs of pre-service and in-service criminal justice personnel as a terminal degree. Alternately, the Associate of Arts Program fulfills the initial two-year curriculum for many four-year Criminal Justice programs.

Individuals desiring a career in corrections work may benefit from this curriculum by selecting certain recommended courses in corrections. Those students who plan a career in corrections counseling or administration should also plan to take graduate study.

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

CRMJ/HSEC	Courses	39
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General Electives (6 credits)

Total Credit Hours: 61

## HUMAN SERVICES



The Human Services program is designed to prepare students for employment opportunities in day care centers, mental health centers, school systems, long-term and acute-care facilities, chemical dependency centers, and the centers for the developmentally disabled.

Students must complete the general education requirements, program requirements and choose at least one of the Human Service options to complete the two-year degree. Options available are the:

1) General Option, and 2) Addictions Option. If the student chooses both options there must be 12 credits difference between Human Services General Option and the Human Services Addictions Option. ***(Wyoming Works Eligible)***

### HUMAN SERVICES GENERAL OPTION, AAS

#### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

#### Program Requirements

##### Course Requirements

CNSL 2100	Case Management	3
CNSL 2300	Counseling for Helping Professional	3
CNSL 2330	Counseling Diverse Populations	3
CO/M 1030	Interpersonal Communication	3
EDFD 2450	Human Life Span Development	3
HMSV 1110	Ethics for Helping Professions	3
HMSV 1200	Field Experience:Human Services I	4
HMSV 2110	Field Experience:Human Services II	4
HMSV 2120	Field Exp:Human Services III	4
PSYC 1000	General Psychology	4

#### Program Electives

**Student to choose sixteen (16) credits from courses in the following Prefixes/Courses:**

AIST, ARAP, CNSL, CO/M, CRMJ, EDFD, FREN, HMSV, PSYC, SHOS, SOWK, SOC, SPAN.

**Total Credit Hours: 60**

## HUMAN SERVICES ADDICTION OPTION, AAS

### Program Description

The addictions option is designed for those individuals wishing to work in the addictions field. The option is designed to prepare people to obtain their Certified Addictions Practitioner Assistant Certification (CAPA) from the State of Wyoming. People completing this option, and obtaining their CAPA would most likely work within inpatient or outpatient drug or alcohol treatment programs, detoxification centers, and drug court programs.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

CNSL 2100	Case Management	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
CO/M 1030	Interpersonal Communication	3
HMSV 1110	Ethics for Helping Professions	3
HMSV 1200	Field Experience:Human Services I	4
HMSV 2110	Field Experience:Human Services II	4
HMSV 2120	Field Exp:Human Services III	4
HMSV 2130	Understanding the Addiction Process	3
PSYC 1000	General Psychology	4
PSYC 2210	Drugs and Behavior	3

*CNSL 2320: It is recommended that students take HMSV 2130 prior or concurrently with this class.*

*HMSV 1200, HMSV 2110, HMSV 2120: Must be at approved addiction sites.*

### General Electives (4 credits)

**Total Credit Hours: 60**



## PRE-LEGAL STUDIES, AA

### Program Description

This program is designed to provide a background useful in the study and practice of law. College study prepares the student for law school by developing English comprehension and usage; understanding of political economics and social and cultural institutions; and the ability to think logically and creatively. The choice of program of study should be determined by the student's academic interests and professional objectives in law. Subjects providing a useful background for the study or practice of law include economics, sociology, English, history, philosophy, political science, psychology, accounting, and business administration.

A student must usually have a Bachelor of Arts or a Bachelor of Science degree before beginning the professional study of law. There are no restrictions on the field in which the degree is earned.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	(in program)
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	*3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

*\* Recommend CO/M 1030 Interpersonal Communication*

### Program Requirements

#### Course Requirements

AIST 2300	Federal Indian Law	3
CRMJ 2100	Politics & Judicial Process	3
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2140	Criminal Legal Procedures	3
CRMJ 2210	Criminal Law	3
CRMJ 2230	Law of Evidence	3
CRMJ 2685	Research in Criminal Justice	3
ECON 1010	Macroeconomics	3
MGT 1040	Bus Law I:Legal Environment of Business	3

### Program Electives

**Students must choose twelve (12) credits from the following list of approved electives**

Student should not take more than three (3) credits from any one elective program area (i.e. take only one AIST, ENGL, or POLS course).

AIST 1350	American Indians in Contemporary Society	3
	OR	
AIST 2340	American Indian Literature	3
ANTH 1200	Introduction to Cultural Anthropology	3
ECON 1020	Microeconomics	3
ENGL 2140	World Literature	3
	OR	
ENGL 2230	Introduction to Shakespeare	3
	OR	
ENGL 2286	Legends and Lore	3
ENR 2010	Environmental Law	3
HIST 2320	History of Islam	3
PHIL 2420	Logic I: Critical Thinking	3
POLS 1200	World Political Cultures	3
	OR	
POLS 2310	International Relations & World Politics	3
SOC 1000	Sociological Principles	3

**Total Credit Hours: 62**

*UW does not have a separate Pre-Law program or degree. Students interested in that area of study often major in Criminal Justice and concentrate in Pre-Law during their Junior and Senior years. If you are interested in transferring to UW please discuss possible options with an advisor or success coach.*

## PSYCHOLOGY, AA

### Program Description

The purpose of this transfer curriculum is to enable students to gain an understanding of human behavior and of individual relationships. A wide variety of opportunities are available in business and industry, social work or education, although some of these require graduate study in the field.

**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

BIOL 1010	General Biology I	4
PSYC 1000	General Psychology	4
PSYC 2000	Research Psychological Methods	4
PSYC 2XXX	Any addl 2000-level PSYC courses	9
STAT 2050	Fundamentals of Statistics OR	4
STAT 2070	Intro. Statistics/Social Sciences	4

*STAT 2070: Recommended***Program Electives****Student must choose seven (7) credits from the following courses:**

ANTH 1100	Introduction to Physical Anthropology	3
ANTH 1200	Introduction to Cultural Anthropology	3
CNSL 2300	Counseling for Helping Professional	3
CNSL 2330	Counseling Diverse Populations	3
PSYC 1XXX	Any 1000 Level PSYC course(s)	1
PSYC 2XXX	Any 2000 Level PSYC course(s)	3
SOC 1000	Sociological Principles	3

**General Electives (3 credits)****Total Credit Hours: 60****SOCIAL SCIENCE**

See: Meta Major: Social Science, AA (p. 84)

## Career and Technical

### AUTOMOTIVE TECHNOLOGY GENERAL OPTION, AAS

#### Program Description

The Associate of Applied Science degree in Automotive Technology is designed for students who have minimal experience and knowledge of automotive technology.

The general education requirements are designed to encourage students to develop critical and creative thinking, computation, communication skills, and technological literacy. The program requirements provide students with the prerequisite coursework that is required for students to successfully complete one or more of the following options in the Automotive Technology Associate of Applied Science degree: 1) Automotive Technology and 2) Power Sports.

Students must complete the general education, program requirements, and choose at least one of the Automotive Technology program options to complete the two-year degree. A student who chooses to complete one or more of the Automotive Technology program options will earn an Automotive Technology AAS degree in each program option, and each completed program option will be listed separately on the student's transcript.

**Automotive Technology Option:** Automotive Technology is a field of study in which students are taught diagnostic techniques, service, and repair of automobiles and pickup trucks. 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.

**Power Sports Option:** The Power Sports option provides the students with entry level knowledge of the motorcycle, ATV, and snowmobile repair business. 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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ORAL (p. 329)	(in program)
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/SOC (p. 329)/WR2 (p. 329)	3 credits
UNST (p. 329)	1 credits

#### Program Requirements

##### Course Requirements

AUTO 1600	Fuel Systems I	3
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4

AUTO 2810	Diagnosis & Tune-Up Procedures	4
MATH 1500	Applied Math	3
PFDV 1500	Managing Career Development	3
PRSP 1500	Basic Automotive Terms and Concepts	3

### **Automotive Technology General Option Requirements**

#### **Automotive Technology General Option**

AUTO 1510	Engine Systems Fundamentals	3
AUTO 1690	Power Train Fundamentals	4
AUTO 1730	Automatic Transmissions	4
AUTO 1740	Brake Systems	4
AUTO 1755	Automotive Suspension and Alignment	4
AUTO 1760	Heating & Air Conditioning	3
AUTO 2630	Emission Systems	3
CO/M 1030	Interpersonal Communication	3

**Total Credit Hours: 62**

## **AUTOMOTIVE TECHNOLOGY POWER SPORTS OPTION, AAS**

### **Program Description**

The Associate of Applied Science degree in Automotive Technology is designed for students who have minimal experience and knowledge of automotive technology.

The general education requirements are designed to encourage students to develop critical and creative thinking, computation, communication skills, and technological literacy. The program requirements provide students with the prerequisite coursework that is required for students to successfully complete one or more of the following options in the Automotive Technology Associate of Applied Science degree: 1) Automotive Technology and 2) Power Sports.

Students must complete the general education, program requirements, and choose at least one of the Automotive Technology program options to complete the two-year degree. A student who chooses to complete one or more of the Automotive Technology program options will earn an Automotive Technology AAS degree in each program option, and each completed program option will be listed separately on the student's transcript.

**Automotive Technology Option:** Automotive Technology is a field of study in which students are taught diagnostic techniques, service, and repair of automobiles and pickup trucks. 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.

**Power Sports Option:** The Power Sports option provides the students with entry level knowledge of the motorcycle, ATV, and snowmobile repair business. 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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ORAL (p. 329)	(in program)
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/SOC (p. 329)/WR2 (p. 329)	3 credits
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

AUTO 1600	Fuel Systems I	3
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4
AUTO 2810	Diagnosis & Tune-Up Procedures	4
MATH 1500	Applied Math	3
PFDV 1500	Managing Career Development	3
PRSP 1500	Basic Automotive Terms and Concepts	3

**Automotive Technology Power Sports Option****Power Sports Option**

CO/M 1030	Interpersonal Communication	3
PWRS 1500	Power Sports Maintenance & Tune-Up	3
PWRS 1510	2-CYCLE Fundamentals	3
PWRS 1520	4-CYCLE Engine Fundamentals	3

**Option Electives:**

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

ACCT, AUTO, CO/M, ENTR, MGT, PRSP

**General Electives (5 credits)**

**Total Credit Hours: 60**

## AUTOMOTIVE TECHNOLOGY GENERAL OPTION CERTIFICATE I

### Program Description

The certificate I program in Automotive Technology is designed for students who have had no previous coursework or work experience in the automotive field.

The general education requirements are designed to encourage students to develop computation and communication skills. The program requirements provide students with the prerequisite coursework that is required to successfully complete one or more of the following options in the Automotive Technology certificate degree: 1) Automotive Technology and 2) Power Sports. Students must complete the general education, program requirements, and choose at least one of the Automotive Technology certificate options to complete the certificate. A student who chooses to complete one or more of the Automotive Technology certificate options will earn an Automotive Technology certificate in each program option, and each completed program option will be listed separately on the student's transcript.

**Automotive Technology Option:** Automotive Technology is a field of study in which students are 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.

**Power Sports Option:** The Power Sports option provides the students with entry level knowledge of the motorcycle, ATV, and snowmobile repair business. 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. 329))	3 credits
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

AUTO 1600	Fuel Systems I	3
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4
MATH 1500	Applied Math	3
PFDV 1500	Managing Career Development	3
PRSP 1500	Basic Automotive Terms and Concepts	3

### Program Option Requirements

**Automotive Technology General Option**

AUTO 1510	Engine Systems Fundamentals	3
AUTO 1740	Brake Systems	4
AUTO 1755	Automotive Suspension and Alignment	4
AUTO 1760	Heating & Air Conditioning	3

**Total Credit Hours: 35****AUTOMOTIVE TECHNOLOGY POWER SPORTS OPTION CERTIFICATE I****Program Description**

The certificate I program in Automotive Technology is designed for students who have had no previous coursework or work experience in the automotive field.

The general education requirements are designed to encourage students to develop computation and communication skills. The program requirements provide students with the prerequisite coursework that is required to successfully complete one or more of the following options in the Automotive Technology certificate degree: 1) Automotive Technology and 2) Power Sports. Students must complete the general education, program requirements, and choose at least one of the Automotive Technology certificate options to complete the certificate. A student who chooses to complete one or more of the Automotive Technology certificate options will earn an Automotive Technology certificate in each program option, and each completed program option will be listed separately on the student's transcript.

**Automotive Technology Option:** Automotive Technology is a field of study in which students are 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.

**Power Sports Option:** The Power Sports option provides the students with entry level knowledge of the motorcycle, ATV, and snowmobile repair business. 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. 329))	3 credits
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

AUTO 1600	Fuel Systems I	3
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4
MATH 1500	Applied Math	3
PFDV 1500	Managing Career Development	3
PRSP 1500	Basic Automotive Terms and Concepts	3



## Program Option Requirements

### Power Sports Option

PWRS 1500	Power Sports Maintenance & Tune-Up	3
PWRS 1510	2-CYCLE Fundamentals	3
PWRS 1520	4-CYCLE Engine Fundamentals	3

**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
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*\* 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**

## POWER SPORTS CERTIFICATE II

### Program Description

The Power Sports Certificate II provides the students with entry level knowledge of the motorcycle, ATV, and snowmobile repair business. Proper repair procedures, theory of operation, customer service, and suggested business practices are emphasized in this curriculum. To receive a Certificate II, the student should take the required program requirement courses.

### Program Requirements

#### Course Requirements

AUTO 1600	Fuel Systems I	3
AUTO 1765	Automotive Electrical Systems	4
AUTO 1770	Automotive Electronics	4
PRSP 1500	Basic Automotive Terms and Concepts	3
PWRS 1500	Power Sports Maintenance & Tune-Up	3
PWRS 1510	2-CYCLE Fundamentals	3
PWRS 1520	4-CYCLE Engine Fundamentals	3

**Total Credit Hours: 23**

## 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. Students also study the 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 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. 329)/APPM (p. 329)/LSCI (p. 329) (in program)

*General Education credits each of ORAL (p. 329), IT (p. 329), and ART are embedded in various Program Required courses.*

### Program Requirement

#### Course Requirements

BADM 2100	Small Business Practices	3
CSMO 1500	Introduction to Nail Technology	3
CSMO 1505	Nail Technology Lab	3
CSMO 1600	Introduction to Skin Technology	3
CSMO 1605	Skin Technology Lab	1
CSMO 1610	Esthetics Concepts	3
CSMO 1680	Science of Hair Removal	2
CSMO 1700	Introduction to Hair Technology	3
CSMO 1701	Orientation to Cosmetology	1
CSMO 1702	Infection Control for Cosmetology	3
CSMO 1705	Hair Fundamentals	4
CSMO 1710	Introduction to Hair Technology II	3
CSMO 1715	Hair Fundamentals II	2
CSMO 1720	General Cosmetology Science	3
CSMO 1730	Cosmetology Lab I	3
CSMO 1735	Cosmetology Lab II	3
CSMO 1740	Cosmetology Lab V	3
CSMO 1790	Clinical Applications III	4
CSMO 1795	Clinical Applications IV	6
CSMO 1800	Clinical Applications V	6
CSMO 1875	Cosmetology Assessment	1
MATH 1500	Applied Math	3

**Total Credit Hours: 69**

## COSMETOLOGY CERTIFICATES

### ESTHETICIAN CERTIFICATE I

#### Program Description

The Esthetician Certificate program focuses on the care, health and beauty of the skin. The student studies the various skin types, disorders, infection control, and how general nutrition impacts skin health. The students 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 2100	Small Business Practices	3
CSMO 1600	Introduction to Skin Technology	3
CSMO 1605	Skin Technology Lab	1
CSMO 1610	Esthetics Concepts	3
CSMO 1620	Esthetics Concepts Lab	2
CSMO 1675	Esthetics Assessment	1
CSMO 1680	Science of Hair Removal	2
CSMO 1701	Orientation to Cosmetology	1
CSMO 1702	Infection Control for Cosmetology	3
CSMO 1720	General Cosmetology Science	3
CSMO 1795	Clinical Applications IV	6
MATH 1500	Applied Math	3

**Total Credit Hours: 31**

### HAIR TECHNICIAN CERTIFICATE I

#### Program Description

The Hair Technician program instructs students in how to 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. 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 Hair Technician program; application to the program is a separate objective process.

## Program Requirements

### Course Requirements

CSMO 1700	Introduction to Hair Technology	3
CSMO 1701	Orientation to Cosmetology	1
CSMO 1702	Infection Control for Cosmetology	3
CSMO 1705	Hair Fundamentals	4
CSMO 1710	Introduction to Hair Technology II	3
CSMO 1715	Hair Fundamentals II	2
CSMO 1720	General Cosmetology Science	3
CSMO 1730	Cosmetology Lab I	3
CSMO 1745	Techniques in Cosmetology	3
CSMO 1775	Hair Technician Assessment	1
CSMO 1790	Clinical Applications III	4
CSMO 1795	Clinical Applications IV	6
MATH 1500	Applied Math	3

**Total Credit Hours: 39**

## 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 Program is designed to prepare students for positions in the nail technician industry. The students in this program study comprehensive nail treatments including manicures, pedicures, hand, arm, foot, and leg massage. Students will also study proper cleaning, disinfection, and other skills for ensuring client safety during nail procedures.

This program prepares students 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	Introduction to Nail Technology	3
CSMO 1505	Nail Technology Lab	3
CSMO 1575	Nail Technician Assessment	1
CSMO 1701	Orientation to Cosmetology	1
CSMO 1702	Infection Control for Cosmetology	3
CSMO 1720	General Cosmetology Science	3
CSMO 1790	Clinical Applications III	4

**Total Credit Hours: 18**

## CULINARY ARTS, AAS



### Program Description

The Associate of Applied Science degree in Culinary Arts is designed to prepare the graduate for mid-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, communication 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 essential for a successful career in the culinary arts industry. The extensive seasonal internships provided by Jackson resorts in the winter and summer months are designed to offer training in culinary arts 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 in 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. ***(Wyoming Works Eligible)***

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CO/M 2130	Human Relations OR	3
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 1555	Food Preparation I: Stocks, Sauces and Soups	3
CULA 1600	Food Preparation II: Garde Manger	3
CULA 2700	Food Preparation III: Baking	4
CULA 2800	Food Preparation IV: Meat Prep and Cook	4
CULA 2900	Food Prep V: Fish & Shellfish Prep & Cooking	3
HRM 1505	Sanitation, Health, & Safety in the Hi	3
HRM 1510	Dining Rooms Management and Food Del	3
HRM 1515	Planning & 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 & Appreciation	3

#### Program Electives

**Student must complete three (3) credits from the following list of courses:**

HRM 1500	Intro to the Hospitality Industry	3
HRM 1501	Lodging Management / Front Office Procedures	3
HRM 2500	Quantity Food Purchasing	3
HRM 2501	Facilities Management	3
HRM 2530	Beverage Management	3

**Total Credit Hours: 62**

## 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. **(Wyoming Works Eligible)**

### General Education Requirements

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	(in program)
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 1005	Business Math I <b>OR</b>	3
MATH 1000	Problem Solving	3
BADM 1020	Business Communications <b>OR</b>	3
ENGL 1020	English Composition II	3
ENGL 1010	English Composition I	3
CO/M 2130	Human Relations	3
CPED 1000	Co-Op Work Experience I:	3
CULA 1555	Food Preparation I: Stocks, Sauces and Soups	3
CULA 2700	Food Preparation III: Baking	4
HRM 1505	Sanitation, Health, & Safety in the Hi	3
HRM 1515	Planning & Control Food and Beverage Ops	3
POLS 1000	American & Wyoming Government	3

**Total Credit Hours: 31**

## 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. **(Wyoming Works Eligible)**

### Program Requirements

#### Course Requirements

ELEC 1510	Electrical 1A	2
ELEC 1520	Electrical 1B	2
ELEC 1530	Electrical 2A	4
ELEC 1540	Electrical 2B	3
ELEC 1550	Electrical 3A	4
ELEC 1560	Electrical 3B	4
ELEC 1570	Electrical 4A	3
ELEC 1580	Electrical 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. **(Wyoming Works Eligible)**



**General Education Requirements**

Writing Level I (WR1 (p. 329) )	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

BADM 1005	Business Math I	3
BADM 1020	Business Communications	3
CMAP 1680	Microcomputer Applications:	3
CO/M 2130	Human Relations OR	3
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 1555	Food Preparation I: Stocks, Sauces and Soups	3
ECON 1010	Macroeconomics OR	3
ECON 1020	Microeconomics	3
HRM 1501	Lodging Management / Front Office Procedures	3
HRM 1505	Sanitation, Health, & Safety in the Hi	3
HRM 1510	Dining Rooms Management and Food Del	3
HRM 1515	Planning & 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 & 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 (p. 329))/ORAL (p. 329)	(in program)
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	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
CO/M 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CPED 1000	Co-Op Work Experience I:	3
CULA 1555	Food Preparation I: Stocks, Sauces and Soups	3
HRM 1505	Sanitation, Health, & Safety in the Hi	3

HRM 1510	Dining Rooms Management and Food Del	3
HRM 1515	Planning & Control Food and Beverage Ops	3
POLS 1000	American & 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, Health, & Safety in the Hi	3
HRM 1510	Dining Rooms Management and Food Del	3

**Total Credit Hours: 14**

## WELDING, AAS

### Program Description

The welding program is designed to provide students 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, safety-consciousness, self-control, adaptability / flexibility, initiative, and cooperation.

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 students to complete 64 credits of coursework and features a complete welding curriculum, as well as general education courses that are designed to encourage students to develop critical and creative thinking, computation and communication skills, lifelong learning skills, and technical skills used in welding. Additionally, the AAS offers courses in metallurgy and weld inspection to build depth of understanding in the welding field. Hands-on welding performance is required to complete the AAS degree.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	6 credits
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

MATH 1500	Applied Math	3
PFDV 1500	Managing Career Development	3
WELD 1500	Welding Fundamentals	2
WELD 1650	Print Reading and Welding Symbols	3
WELD 1700	General Welding	4
WELD 1760	Advanced Shielded Metal Arc Welding SMAW	4
WELD 1770	Gas Metal - Flux Core Arc Welding	4
WELD 1780	Gas Tungsten Arc Welding on Plate	3
WELD 1860	Welding Fabrication	3
WELD 2510	Pipe Welding 1	4
WELD 2650	GTAW Pipe	4
WELD 2655	Gas Metal Arc Flux Core Arc Welding Pipe	4
WELD 2670	Welding Inspection Technology	3
WELD 2680	Welding Metallurgy	3

## General Electives (2 credits)

**Total Credit Hours: 62**

## WELDING CERTIFICATE I

### Program Description

The welding program is designed to provide students 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, safety-consciousness, self-control, adaptability / flexibility, initiative, and cooperation.

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 certificate program requires students to complete 31 credits of coursework and features a concentrated welding curriculum with emphasis on Oxy-Fuel, SMAW, GMAW, GTAW, and basic pipe welding. Math and English are also included in this program of study.

**General Education Requirements**

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

WELD 1650	Print Reading and Welding Symbols	3
WELD 1700	General Welding	4
WELD 1760	Advanced Shielded Metal Arc Welding SMAW	4
WELD 1770	Gas Metal - Flux Core Arc Welding	4
WELD 1780	Gas Tungsten Arc Welding on Plate	3
WELD 2510	Pipe Welding 1	4
WELD 2655	Gas Metal Arc Flux Core Arc Welding Pipe	4

**Total Credit Hours: 33****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, a person must be able to adapt to work styles that require dependability, attention to detail, safety-consciousness, self-control, adaptability / flexibility, initiative, and cooperation.

The welding certificate II is designed for the student who has prior welding experience and desires to update their skills; and requires students to complete 14 credits of welding coursework, which may be completed in one semester.

**Program Requirements****Course Requirements**

WELD XXXX	14
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*WELD 1975 Independent Study Welding does not apply toward the certificate.*

**Total Credit Hours: 14**

## Health Sciences

### DENTAL ASSISTANT CERTIFICATE I

#### Program Description

The Dental Assistant Certificate I program prepares the student for an entry-level position as a dental assistant. The curriculum provides opportunities to develop knowledge and skills through classroom instruction and hands-on lab activities. General Education and Program Elective requirements are designed for the student who opts to transfer into a dental hygiene program.

Dental assistants perform a variety of office management, patient care, and laboratory duties, and often work chair-side as dentists examine and treat patients. In addition, the dental assistant maintains patient records, promotes comfort and safety in the dental chair, obtains oral x-rays, sterilizes instruments, and instructs patients on proper dental health.

The successful dental assistant must have strong communication skills, display a positive attitude, observe strict confidentiality, and possess motor skill coordination necessary for safe patient care.

#### General Education Requirements

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	(in program)
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

#### Program Requirements

##### Course Requirements

CO/M 1010	Public Speaking	3
	OR	
CO/M 1030	Interpersonal Communication	3
DNTA 1500	Orientation to Dental Assisting	1
DNTA 1810	Dental Assisting Fundamentals	5
DNTA 1910	Dental Radiography	3
DNTA 2520	Dental Office Procedures	1
DNTA 2820	Dental Therapeutics & Emergency Management	3
ENGL 1010	English Composition I	3
HLED 1245	Basic Life Support Certification	0.5
MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4

#### Program Electives

**Student must choose a minimum of seven (7) credits from the following courses:**

ANTH 1200	Introduction to Cultural Anthropology	3
	OR	
SOC 1000	Sociological Principles	3

CHEM 1000	Introduction to Chemistry	4
	OR	
CHEM 1020	General Chemistry I	4
ENGL 2005	Technical Writing	3
FCSC 1140	Nutrition	2
MOLB 2210	General Microbiology	4
POLS 1000	American & Wyoming Government	3
PSYC 1000	General Psychology	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4

**Total Credit Hours: 30.5-31.5**

## DENTAL ASSISTANT CERTIFICATE II

### Program Description

The Dental Assistant Certificate II Program is designed to prepare the student to for an entry-level position as a dental assistant. The curriculum provides the student with an opportunity to develop knowledge and skills through classroom instruction and practice skills laboratories.

A dental assistant works under the supervision of a dentist by performing a variety of office management, patient care, and laboratory duties; often working chair-side as dentists examine and treat patients. In addition, the dental assistant maintains patient records, promotes comfort and safety in the dental chair, obtains oral x-rays, sterilizes instruments, and instructs patients on proper dental health.

The successful dental assistant must have strong communication skills, display a positive attitude, observe strict confidentiality rules, and possess motor skill coordination necessary for safe patient care.

### Program Requirements

#### Course Requirements

DNTA 1500	Orientation to Dental Assisting	1
DNTA 1810	Dental Assisting Fundamentals	5
DNTA 1910	Dental Radiography	3
DNTA 2520	Dental Office Procedures	1
DNTA 2820	Dental Therapeutics & Emergency Management	3
HLED 1245	Basic Life Support Certification	0.5

**Total Credit Hours: 13.5**

## MEDICAL ASSISTANT CERTIFICATE I

### Program Description

The Medical Assistant Certificate Program is designed to prepare the student to work as a member of the health care team in outpatient or ambulatory care facilities, such as medical offices and clinics. Medical assistants perform administrative and clinical tasks under the direction of a physician. Administrative tasks may include scheduling appointments, maintaining medical records, billing and coding for insurance purposes, and all forms of patient communication. Clinical tasks may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, assisting with procedures, and administering medications as directed by a physician. The curriculum provides the student with the opportunity to develop knowledge and skills through classroom instruction, practice skills laboratories, and clinical practicum hours. The student will be required to pass a criminal background check and drug screen to be eligible for practicum experiences. Upon successful completion of the program the student will be eligible to test for certification. Successful completion of the program does not guarantee certification.

### General Education Requirements

Writing Level I (WR1 (p. 329))/ORAL (p. 329)	(in program)
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 1005	Business Math I	3
	OR	
MATH 1000	Problem Solving	3
CO/M 1030	Interpersonal Communication	3
	OR	
CO/M 2130	Human Relations	3
HLTK 1200	Medical Terminology	3
MEDA 1500	Admin Role of the Medical Assistant	3
MEDA 1510	Phlebotomy and Lab Techniques	2
MEDA 1520	Clinical Role of the Medical Assistant I	3
MEDA 1525	Clinical Role of the Medical Assist II	2
MEDA 1530	Pharmacology for the Medical Assistant	3
MEDA 1540	Medical Assistant Practicum	5
ZOO 1200	Human Biology	3
	OR	
ZOO 2015	Human Anatomy	4

**Total Credit Hours: 31-32**



## MEDICAL OFFICE SUPPORT CERTIFICATE II

### Program Description

The Medical Office Support Certificate II is designed to prepare the student to work as front office staff in a variety of ambulatory healthcare settings, such as outpatient centers, clinics, and doctor's offices. Responsibilities include answering incoming calls and scheduling appointments, arranging clinical procedures, assisting in the completion of necessary forms, maintaining hard copy and electronic patient records, and computerized data entry. Duties related to financial processes may involve billing, medical coding, and handling insurance forms.

Courses will introduce the student to topics in medical terminology, medical ethics, and verbal and written communication. The Medical Office Support Certificate II is designed to allow for a smooth transition to the Medical Assistant Certificate I program.

### Program Requirements

#### Course Requirements

CMA 1680	Microcomputer Applications:	3
CO/M 1030	Interpersonal Communication OR	3
CO/M 2130	Human Relations	3
HLED 1245	Basic Life Support Certification	0.5
HLTK 1200	Medical Terminology	3
MEDA 1500	Admin Role of the Medical Assistant	3

**Total Credit Hours: 12.5**

## PATIENT CARE TECHNICIAN CERTIFICATE II

### Program Description

The Patient Care Technician Certificate II is designed to prepare the student for entry-level employment in an expanded role in a variety of inpatient and outpatient settings. The program includes training as a nursing assistant, with additional preparation in phlebotomy, basic electrocardiography, and expanded patient care techniques. The curriculum provides the student the opportunity to develop knowledge and skills through classroom instruction, practice skills laboratories, and supervised practicum experiences.

Graduates of the Patient Care Technician program are eligible to take the Certified Nursing Assistant Exam, the National Certified Patient Care Technician Exam, the National Certified Phlebotomy Technician Exam, the National Certified Electrocardiography Technician Exam, and will hold American Heart Association Basic Life Support Certification. Successful completion of the program does not guarantee certification.

### Program Requirements

#### Course Requirements

HLTK 1200	Medical Terminology	3
HLTK 1665	Electrocardiography Techniques	1

HLTK 1685	Expanded Patient Care	2
MEDA 1500	Admin Role of the Medical Assistant	3
MEDA 1510	Phlebotomy and Lab Techniques	2
NRST 1500	Nursing Assistant	4
ZOO 1200	Human Biology	3
	OR	
ZOO 2015	Human Anatomy	4

**Total Credit Hours: 19**

## NURSING, ADN

### Program Description

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.

The 66 credit, concept-based program is shared statewide with a curricular framework based on the six core concepts of safety, clinical judgment, leadership, patient-centeredness, professionalism, and health promotion. The program has a strong clinical focus with ample opportunities to apply the theoretical components of nursing, in addition to general education courses to enhance professional nursing knowledge and practice. In preparation for professional practice, the student will use the nursing process and clinical judgment in the promotion and maintenance of health, the prevention of disease and disability, the care and rehabilitation of the sick, and to support the dying.

Upon program completion, the graduate is awarded an Associate Degree in Nursing and is eligible to apply for the National Council Licensure Examination for Registered Nurses. The Wyoming State Board of Nursing determines eligibility to take the NCLEX-RN and is responsible for oversight of nursing practice and education in the state of Wyoming. Successful completion of the nursing program does not guarantee professional licensure.

Employment opportunities are vast within the global healthcare system and may include positions in acute, chronic, extended, industrial, and community healthcare settings.

The nursing program is approved by the Wyoming State Board of Nursing (130 Hobbs Avenue, Cheyenne, WY 82002, 307.777.7601) and accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, 404.975.5000).

**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
LSCI (p. 329)/MATH (p. 329)/SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

BIOL 1010	General Biology I	4
MATH 1400	College Algebra	4
NURS 1100	PNC in Health Promotion	8
NURS 1110	Pharmacology in Health Promotion	1
NURS 1200	PNC of Patient w/Chronic Illness	8
NURS 1210	Pharmacology in Chronic Illness	1
NURS 2300	PNC of Patient W/Acute Illness	8
NURS 2310	Pharmacology in Acute Illness	1
NURS 2400	PNC 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: 66****PRE-DENTISTRY**

See: Science, AS (p. 196)

**PRE-HEALTH PROFESSIONAL**

See: Science, AS (p. 196)

**PRE-MEDICINE**

See: Science, AS (p. 196)

**PRE-PHARMACY**

See: Science, AS (p. 196)

**PRE-VETERINARY**

See: Science, AS (p. 196)

## Media, Arts and Humanities

### AFTER-SCHOOL AND YOUTH DEVELOPMENT CERTIFICATE II

#### Program Description

The After-School and Youth Development Certificate II recognizes successful completion of classroom education and field experience for students interested in working in after-school programs with school-aged children. The courses in this program explore the organization and development of after-school programs, planning curriculum and activities, and collaborating with schools, families and the community.

#### Program Requirements

##### Course Requirements

EDEL 1500	Introduction to After-School Programs	3
EDEL 1505	Planning & Dev of After-School Programs	3
EDEL 1510	Partnerships in After-School Programs	3

**Total Credit Hours: 9**

### ART, AA

#### 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.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(in program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

ART 1005	Drawing I	3
ART 1110	Design: 2D	3
ART 1120	Design: 3D	3
ART 1130	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 1178	Digital Imaging	3
ART 1350	Metal Fabrication	3
ART 2076	Illustration II	3
ART 2090	Printmaking I	3
ART 2140	Photography III	3
ART 2146	Digital Photography II	3
ART 2150	Color Photography I	3
ART 2178	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 Art students who want 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
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##### Program Electives

**Student must choose fifteen (15) credits from the following courses:**

ART 1005	Drawing I	3
ART 1110	Design: 2D	3
ART 1130	Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1178	Digital Imaging	3
ART 2010	Art History I	3
ART 2020	Art History II	3
ART 2076	Illustration II	3
ART 2090	Printmaking I	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 2178	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 art students who want 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
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#### Program Electives

**Student must choose fifteen (15) credits from the following courses:**

ART 1120	Design: 3D	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 art students who want 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
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#### Program Electives

**Student must choose twenty-seven (27) credits from the following courses:**

ART 1005	Drawing I	3
ART 1110	Design: 2D	3
ART 1120	Design: 3D	3

ART 1130	Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1178	Digital Imaging	3
ART 2010	Art History I	3
ART 2020	Art History II	3
ART 2076	Illustration II	3
ART 2090	Printmaking I	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 2178	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. 167) or New Media, AAS (p. 170)



## 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 a 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 (p. 329))	3 credits
Writing Level II WR2 (p. 329)	(in program)
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 1020	Business Communications	3
	OR	
ENGL 1020	English Composition II	3
CO/M 1010	Public Speaking	3
CO/M 1030	Interpersonal Communication	3
CO/M 1040	Intro to Human Communication Theory	3
CO/M 2110	Nonverbal Communication	3
CO/M 2135	Gender and Communication	3
MDIA 1000	Introduction to Mass Media	3
MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4

STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/Social Sciences	4

### Program Electives

Students may take any six (6) credits from the following:

ART, CO/M, FILM, MDIA, or MKT

### General Electives (9 credits)

**Total Credit Hours: 60-61**

## COMMUNICATION, AAS

### Program Description

The Associate of Applied Science 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 a 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. The Associate of Applied Science degree in Communication is intended to provide students with a skill-set that leads directly to employment.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirement Core

#### Course Requirements

ART 2145	Digital Photography I	3
CO/M 1010	Public Speaking	3
	OR	
CO/M 1030	Interpersonal Communication	3
FILM 1100	Film Production I	4

MDIA 1000	Introduction to Mass Media	3
	OR	
MDIA 2100	Writing for New Media	3

### **Program Requirement**

#### **Course Requirements**

BADM 1020	Business Communications	3
	OR	
ENGL 2005	Technical Writing	3
MDIA 1000	Introduction to Mass Media	3
	OR	
MDIA 2100	Writing for New Media	3
CO/M 1010	Public Speaking	3
	OR	
CO/M 1030	Interpersonal Communication	3
CO/M 1040	Intro to Human Communication Theory	3
CO/M 2110	Nonverbal Communication	3
CO/M 2135	Gender and Communication	3
PFDV 1500	Managing Career Development	3
PSYC 1000	General Psychology	4

### **Program Electives**

Students may take any three (3) credits from the following:

CO/M, FILM, MDIA, or ART

### **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

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	(in program)
UNST (p. 329)	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/Guidance of Young Children	3
EDEC 1200	Administration Early Childhood Education	3
EDEC 1225	Introduction to Teaching	2
EDEC 1300	Young Child Curriculum Planning & Devel	2
EDEC 1305	Curriculum Planning/Dev Young Child Lab	1
EDEC 2200	Early Childhood Practicum	3
EDEX 2484	Foundations of Special Education	3
FCSC 1140	Nutrition	2
FCSC 2131	Family Relations	3
LIBS 2280	Literature for Children	3
PSYC 1000	General Psychology	4
PSYC 2300	Developmental Psychology	3

*Current First Aid and Child/Infant CPR Certifications are required at the time of graduation.*

**Total Credit Hours: 61**

## EARLY CHILDHOOD, AAS

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329) (HUM (p. 329) and SOC (p. 329) are in the program – must complete a WR2 (p. 329) or ORAL (p. 329)).	
ORAL (p. 329)/WR2 (p. 329)	3 credits
UNST (p. 329)	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/Guidance of Young Children	3
EDEC 1200	Administration Early Childhood Education	3
EDEC 1300	Young Child Curriculum Planning & Devel	2
EDEC 1305	Curriculum Planning/Dev Young Child Lab	1
EDEC 2200	Early Childhood Practicum	3
EDEX 2484	Foundations of Special Education	3
FCSC 1140	Nutrition	2
FCSC 2131	Family Relations	3
LIBS 2280	Literature for Children	3
PSYC 1000	General Psychology	4
PSYC 2300	Developmental Psychology	3

### Program Electives

Choose nine (9) credits from education courses, selected communication and psychology courses and others as approved (EDEC, EDUC, EDEL, CO/M, EDFD, HLED, ITEC, PSYC)

Current First Aid and Child/Infant CPR Certifications are required at the time of graduation.

**Total Credit Hours: 60**

## 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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)*	(in program)
ORAL (p. 329)	(in program)
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

\* MATH (p. 329) 1400 highly recommended and required if going out of state

#### Program Requirements

##### Course Requirements

BIOL 1020	Life Science	4
EDEC 1225	Introduction to Teaching	2
EDEL 1410	Elementary School Mathematics I	1
EDEL 1430	Life Science in Elementary School	1
EDEX 2484	Foundations of Special Education	3
EDFD 2020	Foundations of Education	3
EDFD 2100	Educational Psychology	3
EDFD 2450	Human Life Span Development	3
EDUC 2100	Public School Practicum	2
HLED 2006	Health for Elementary Educators	1
ITEC 2360	Teaching With Technology	3
LIBS 2280	Literature for Children	3
MATH 1100	Mathematics for Elem Sch Teachers I	3
MATH 1105	Mathematics for Elem Sch Teachers II	3
PSYC 1000	General Psychology	4

#### Program Electives

Students must choose one (1) of the following courses:

ASTR 1070	The Earth: Its Physical Environment	4
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GEOL 1070	The Earth: Its Physical Environment	4
CHEM 1090	Fundamentals of the Physical Universe	4
PHYS 1090	Fundamentals of the Physical Universe	4

**Students must choose one (1) of the following courses:**

EDEL 1440	Physical Science in Elementary School	1
EDEL 1450	Earth Science in Elementary School	1

*EDEL 1440, EDEL 1450: To be taken with corresponding course*

**Students must choose one (1) of the following courses:**

CO/M 1010	Public Speaking	3
CO/M 1030	Interpersonal Communication	3

**General Electives (3 credits)****Recommended for students transferring to UW:**

Elective: EDEC 1020 Intro to Early Childhood OR 3 credit Geography Course. Freshman ARTS (p. 329) in the fall should be a 3 credit Music course. HLED 1240 First Aid and CPR or Current Card; Substitute Teaching Certificate

**Recommended for students transferring to Valley City:**

Elective: HLED 1282 (2cr) OR G&R 1020 Intro to Human Geography

**Total Credit Hours: 60**

**SECONDARY EDUCATION, AA****General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)*	3 credits
ORAL (p. 329)	(in program)
SOC (p. 329)	(in program)
UNST (p. 329)	1 credits

\*Students transferring out of Wyoming should take MATH (p. 329) 1400, College Algebra.

\* Students planning to teach Physical Education or Science should take MATH (p. 329) 1400, College Algebra.

## Program Requirements

### Course Requirements

CO/M 1010	Public Speaking	3
EDEC 1225	Introduction to Teaching	2
EDEX 2484	Foundations of Special Education	3
EDFD 2020	Foundations of Education	3
EDFD 2100	Educational Psychology	3
EDFD 2450	Human Life Span Development	3
EDUC 2100	Public School Practicum	2
ITEC 2360	Teaching With Technology	3
PSYC 1000	General Psychology	4

### Program Electives

**Student must choose eleven (11) credits of approved courses in consultation with their advisor.**

Program Electives 11

### Recommended for students transferring to UW :

HLED 1240 First Aid and CPR or Current Card; Substitute Teaching Certificate.

**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 (p. 329))	(in program)
WR2 (p. 329)	(in program)
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329) (May not be an ENGL prefix)	3 credits
HUM (p. 329) (May not be an ENGL prefix)	3 credits
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	(in program)
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

CO/M 1030	Interpersonal Communication	3
ENGL 1010	English Composition I	3
ENGL 1020	English Composition II	3
ENGL 2005	Technical Writing	3

### Program Electives

#### Course Requirements

ENGL 2000-2499*		15
	Additional courses with a HUM General Education designator	6

*ENGL 2000-2499: 3 credits may be from the following courses: LIBS 2280, THEA 2010 or THEA 2020.*

### 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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(In program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

CO/M 1480	Media Arts:	3
FILM 1000	Introduction to Film	3
FILM 1100	Film Production I	4
FILM 1200	Cinema History	3
FILM 1300	Editing	3
FILM 1400	Screenwriting I	3
FILM 2000	Film Production II	3
FILM 2100	Cinematography	3
FILM 2300	Directing	3

### Program Electives

**Students are required to take a minimum of nine (9) credits from the following program electives:**

ART 1130	Color Theory	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1178	Digital Imaging	3
ART 2145	Digital Photography I	3
ART 2146	Digital Photography II	3
CO/M 2110	Nonverbal Communication	3
CO/M 2130	Human Relations	3

CO/M 2135	Gender and Communication	3
COCR 1010	Professional Experience:	1
ENGL 2286	Legends and Lore	3
FILM 2400	Screenwriting II	3
MDIA 1000	Introduction 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**

## 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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(in program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

MUSC 0200	Convocation	
MUSC 0200	Convocation	
MUSC 0200	Convocation	
MUSC 0200	Convocation	
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	

## 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 students for entry-level positions in interactive content producing. The program requirements emphasize hands-on training in audio, visual, and print storytelling through the channels of interactive media, and provides students with the prerequisite coursework required to successfully complete the program. The Associates of Applied Science in New Media is intended to provide students with a skill-set that leads directly to

employment. **(Wyoming Works Eligible)**

**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirement Core****Course Requirements**

ART 2145	Digital Photography I	3
CO/M 1010	Public Speaking	3
	OR	
CO/M 1030	Interpersonal Communication	3
FILM 1100	Film Production I	4
MDIA 1000	Introduction to Mass Media	3
	OR	
MDIA 2100	Writing for New Media	3

## Program Requirement

### Course Requirements

ART 1178	Digital Imaging	3
FILM 1100	Film Production I	4
MDIA 1000	Introduction to Mass Media	3
	OR	
MDIA 2100	Writing for New Media	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
MKT 2100	Principles of Marketing	3

**Total Credit Hours: 60**

## PHOTOGRAPHY, AAS

### 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.

**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329) , ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	
ARTS (p. 329)	(in program)
ORAL (p. 329)/WR2 (p. 329)	3 credits
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

ART 1005	Drawing I	3
ART 1110	Design: 2D	3
ART 1120	Design: 3D	3
ART 1150	B&W Film Photography I	3
ART 1160	B&W Film Photography II	3
ART 1178	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 2178	Digital Imaging II	3
ART 2405	Advanced Projects - 2D	3
PHTO 2350	Media Photography I	3

**General Electives (4 credits)****Total Credit Hours: 60**

## 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. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	(in program)
HUM (p. 329)	(in program)
LSCI (p. 329)	4 credits
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

#### Program Requirements

##### Course Requirements

BIOL 1080	Intro to Environmental Science	4
CHEM 1000	Introduction to Chemistry	4
CMAP 1680	Microcomputer Applications:	3
CPED 1000	Co-Op Work Experience I: OR	3
ENR 2050	Environmental Field Methods	3
EHS 2500	Environmental Compliance Technology	3
ENGL 2005	Technical Writing	3
ENR 2040	Environmental Regulatory Agencies	1
ENR 2425	Mountain Environments	4
GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2100	Advanced Geographic Information Systems	4

GEOG 2110	Techniques in Cartography OR	4
GEOG 2140	Remote Sensing	4
GEOG 2135	Applied GPS for GIS	3
GEOG 2150	Geoinformation Science & Tech	4
MATH 1000	Problem Solving	3
PEAC 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 (p. 329))/ORAL (p. 329)	(in program)
MATH (p. 329)/APPM (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BIOL 1080	Intro to Environmental Science	4
ENGL 1010	English Composition I	3
CMAP 1680	Microcomputer Applications: <b>OR</b>	3
ENGL 2005	Technical Writing	3
ENR 2040	Environmental Regulatory Agencies	1
ENR 2050	Environmental Field Methods	3
GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2110	Techniques in Cartography <b>OR</b>	4
GEOG 2150	Geoinformation Science & Tech	4
MATH 1000	Problem Solving	3
PEAC 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 1210	Climate Change and the Human Experience	3
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
EDUC 2470	Outdoor Education Practicum	4
ENR 2040	Environmental Regulatory Agencies	1
ENR 2050	Environmental Field Methods	3
ENR 2425	Mountain Environments	4
G&R 1020	Intro to Human Geography	3
G&R 2020	Mountaineering: <b>OR</b>	1 - 5
G&R 2030	Wilderness Backpacking: <b>OR</b>	1 - 5
G&R 2031	Combined Expeditions:	1 - 5
GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2100	Advanced Geographic Information Systems	4
GEOG 2110	Techniques in Cartography	4
GEOG 2150	Geoinformation Science & Tech	4
GEOL 1070	The Earth: Its Physical Environment <b>OR</b>	4
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
PEAC 1380	Outdoor Multi-Sport	1 - 3
PEAC 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 allow students to travel and study in Wyoming's most remote deserts and mountains for extended periods of time. Students might 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, students apply field and classroom research techniques to contemporary environmental and anthropological questions. Their data will be presented at conferences, and shared with state and federal land management agencies. The Expedition Science program requires all students to compete 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 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	(in program)
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BIOL 1080	Intro to Environmental Science	4
ANTH 1300	Intro to Archaeology	3
	OR	
G&R 1020	Intro to Human Geography	3
G&R 2020	Mountaineering:	1 - 5
	OR	
G&R 2030	Wilderness Backpacking:	1 - 5
	OR	

G&R 2031	Combined Expeditions:	1 - 5
GEOG 2150	Geoinformation Science & Tech	4
HLED 2010	Wilderness First Responder	4
MATH 1400	College Algebra	4
ORTM 1000	Foundations of Recreation & Tourism	3
PEAC 2025	Wilderness Navigation	1

*G&R 2031 combined Expeditions is a NOLS Course*

### Program Electives

**Students must choose a minimum of eighteen (18) credits from the following courses:**

ANTH 2010	Archaeology Field School	3
CPED 1000	Co-Op Work Experience I:	3
	OR	
EDUC 2470	Outdoor Education Practicum	4
EDUC 1050	Leading Adventure Programs	3
ENR 2425	Mountain Environments	4
GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2100	Advanced Geographic Information Systems	4
GEOG 2110	Techniques in Cartography	4
GEOG 2120	Geographic Information System Databases	3
GEOG 2125	Geogrphc Info Syst Database Apps	1
GEOG 2130	Spatial Analysis	4
GEOG 2135	Applied GPS for GIS	3
GEOG 2140	Remote Sensing	4
HLED 2010	Wilderness First Responder	4

*GEOG 1100, GEOG 2110, GEOG 2135: Comprise Certificate in GIST*

**Total Credit Hours: 61**

## GEOLOGY

See: Expedition Science, AS (p. 177)

## 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. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	(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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

CMA1680	Microcomputer Applications:	3
ENGL 1020	English Composition II	3
	OR	
ENGL 2005	Technical Writing	3
G&R 1020	Intro to Human Geography	3
GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2100	Advanced Geographic Information Systems	4
GEOG 2110	Techniques in Cartography	4
GEOG 2150	Geoinformation Science & Tech	4
MATH 1400	College Algebra	4
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/Social Sciences	4

PEAC 2025	Wilderness Navigation	1
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### 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
G&R 2020	Mountaineering:	1 - 5
G&R 2030	Wilderness Backpacking:	1 - 5
G&R 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:**

GEOG 2120	Geographic Information System Databases	3
GEOG 2125	Geogrphc Info Syst Database Apps	1
GEOG 2130	Spatial Analysis	4
GEOG 2135	Applied GPS for GIS	3
GEOG 2140	Remote Sensing	4
GEOG 2160	Geographic Info Systems and Programming	3
GEOG 2170	Capstone Project in Geographic Info Syst	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 (p. 329))/ORAL (p. 329) (in program)

MATH (p. 329)/APPM (p. 329) (in program)

UNST (p. 329) 1 credits

### Program Requirements

#### Course Requirements

CMA1680	Microcomputer Applications:	3
ENGL1010	English Composition I	3
GEOG1100	Introduction to Geographic Info Systems	4
GEOG2100	Advanced Geographic Information Systems	4
GEOG2150	Geoinformation Science & Tech	4
MATH1000	Problem Solving	3
	OR	
MATH1400	College Algebra	4

### Program Electives

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

GEOG2110	Techniques in Cartography	4
GEOG2120	Geographic Information System Databases	3
GEOG2125	Geographic Info Syst Database Apps	1
GEOG2130	Spatial Analysis	4
GEOG2135	Applied GPS for GIS	3
GEOG2140	Remote Sensing	4
GEOG2160	Geographic Info Systems and Programming	3
GEOG2170	Capstone Project in Geographic Info Syst	3
	OR	
CPED1000	Co-Op Work Experience I:	3
PEAC2025	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

GEOG 1100	Introduction to Geographic Info Systems	4
GEOG 2100	Advanced Geographic Information Systems	4
GEOG 2150	Geoinformation Science & Tech	4

### Program Electives

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

GEOG 2110	Techniques in Cartography	4
GEOG 2120	Geographic Information System Databases	3
GEOG 2125	Geographic Info Syst Database Apps	1
GEOG 2130	Spatial Analysis	4
GEOG 2135	Applied GPS for GIS	3
GEOG 2140	Remote Sensing	4
GEOG 2160	Geographic Info Systems and Programming	3
GEOG 2170	Capstone Project in Geographic Info Syst	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 students 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 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.

Students have the option to spend up to one full semester taking wilderness-based courses with the National Outdoor Leadership School (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](http://www.nols.edu) or call 1-800-710-6657.

The Outdoor Education & Leadership program is a 4-semester program for students ready for college-level courses. Students who place into pre-college math or English courses may require a preparatory semester before beginning the four-semester program. Students have the option to live at our outdoor education facility, Sinks Canyon Center (SCC). In the foothills of the Wind River Mountains, SCC offers unparalleled opportunities for reflective solitude, outdoor adventure, and study of the natural world.

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
ARTS (p. 329)	3 credits
HUM (p. 329)	3 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	3 credits
ORAL (p. 329)	3 credits
SOC (p. 329)	3 credits
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BIOL 1080	Intro to Environmental Science	4
EDUC 1050	Leading Adventure Programs	3
EDUC 1055	Introduction to Outdoor Education	3
EDUC 2470	Outdoor Education Practicum	4
ORTM 1000	Foundations of Recreation & Tourism	3

HLED 2010	Wilderness First Responder	4
	OR	
HLED 2015	Wilderness EMT	9

*HLED 2010, HLED 2015: G&R 2050, G&R 2031, EDUC 2050 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently. In addition, HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters.*

**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 2020	Mountaineering:	1 - 5
G&R 2030	Wilderness Backpacking:	1 - 5
G&R 2031	Combined Expeditions:	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

*EDUC 2015, EDUC 2045, G&R 2020, G&R 2030, G&R 2031, G&R 2032, G&R 2033, G&R 2034: Field-based, off-campus course*  
*EDUC 2050, G&R 2050: G&R 2050, G&R 2031, EDUC 2050 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently. In addition, HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters.*

**Students must choose three (3) PEAC course from the following list of approved courses**

PEAC 1258	Skiing & Snowboarding	1
PEAC 1259	PE:Cross Country Skiing	1
PEAC 1287	Introduction to Outdoor Rock Climbing	1
PEAC 1297	PE:Whitewater Rafting/Rescue	1
PEAC 1380	Outdoor Multi-Sport	1 - 3
PEAC 1387	Indoor Rock Climbing	1
PEAC 1540	Mountain Biking	1
PEAC 2018	PE:Water Safety/Lifeguard Training	1
PEAC 2025	Wilderness Navigation	1
PEAC 2058	Backcountry Skiing & Snowboarding	1
PEAC 2088	Alpine Climbing and Rescue	1

*PEAC 1258, PEAC 1259, PEAC 1297, PEAC 1380, PEAC 1387, PEAC 1540, PEAC 2018, PEAC 2025, PEAC 2058, PEAC 2088: Field-based, off-campus course*

**Program Electives**

**Students must choose seven (7) additional credits from the PEAC courses above or from the following list of approved courses:**

AIST 1005	Intercultural Communication	3
AIST 1350	American Indians in Contemporary Society	3
AIST 2000	Indians of the Wind River	3
AIST 2290	History of U.S. Indians	3
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
CO/M 1005	Intercultural Communication	3
CO/M 1050	Conflict Mgmt & Mediation	3
CO/M 2130	Human Relations	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 2425	Mountain Environments	4
G&R 1090	Avalanche Lvl 1:Dsn Mkng Avlnch Terrain	1
G&R 2020	Mountaineering:	1 - 5
G&R 2030	Wilderness Backpacking:	1 - 5
G&R 2031	Combined Expeditions:	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 2035	River Rescue Certification	1
G&R 2050	Environmental Ethics & Management:	1 - 5
G&R 2090	Avalanche Lvl 2:Anlz Snwpk & Aval Haz.	2
GEOG 1100	Introduction to Geographic Info 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
PSYC 1250	Human Potential Seminar	1
PSYC 2210	Drugs and Behavior	3
ZOO 1200	Human Biology	3
ZOO 2015	Human Anatomy	4

*EDUC 2015, EDUC 2045, G&R 1090, G&R 2020, G&R 2030, G&R 2031, G&R 2032, G&R 2033, G&R 2090: Field-based, off-campus course*

*EDUC 2050, G&R 2050: G&R 2050, G&R 2031, EDUC 2050 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently. In addition HLED 2010 or HLED 2015 may be taken concurrently for select NOLS semesters.*

**Total Credit Hours: 60**

## **OUTDOOR RECREATION, AS**

### **Program Description**

This program offers students a business/ entrepreneurial perspective of the outdoor recreation service industry that includes learning, training, and assessment of leadership and program management skills.

Upon completion of this program, students will:

1. Execute basic business practices
2. Apply elements of human development to outdoor recreation program settings
3. Evaluate leadership styles and group dynamics
4. Demonstrate intermediate to advanced skill sets in a specific area of interest within outdoor recreation
5. Manage risks associated with a variety of outdoor activities

Students have 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, 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 offerings visit [www.nols.edu](http://www.nols.edu) or call NOLS admissions at 1-800-710-6657.

Majors can also choose to live at our outdoor education center near Sinks Canyon 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 students wishing to start their own outdoor-related small business, build careers in parks, recreation and tourism or transfer to a university to complete their bachelor's degree.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329)	6 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

BIOL 1080	Intro to Environmental Science	4
EDUC 1050	Leading Adventure Programs	3
ORTM 1000	Foundations of Recreation & Tourism	3
HLED 2010	Wilderness First Responder	4
	OR	
HLED 2015	Wilderness EMT	9
MATH 1000	Problem Solving	3
	OR	
MATH 1400	College Algebra	4
PEAC	Choose 3 credits of PEAC from Electives below	3
STAT 2050	Fundamentals of Statistics	4
	OR	
STAT 2070	Intro. Statistics/Social Sciences	4

## Program Electives

### Students must choose seventeen (17) credits from the following list of approved electives:

AIST 1350	American Indians in Contemporary Society	3
ANTH 1100	Introduction to Physical 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 2425	Mountain Environments	4
G&R 1010	Intro to Physical Geography	
G&R 1090	Avalanche Lvl 1:Dsn Mkng Avlnch Terrain	1
G&R 2020	Mountaineering:	1 - 5
G&R 2030	Wilderness Backpacking:	1 - 5

G&R 2031	Combined Expeditions:	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 2035	River Rescue Certification	1
G&R 2050	Environmental Ethics & Management:	1 - 5
G&R 2090	Avalanche Lvl 2:Anlz Snwpk & Aval Haz.	2
GEOG 1100	Introduction to Geographic Info Systems	4
HLED 2015	Wilderness EMT	9
PEAC 1258	Skiing & Snowboarding	1
PEAC 1259	PE:Cross Country Skiing	1
PEAC 1287	Introduction to Outdoor Rock Climbing	1
PEAC 1297	PE:Whitewater Rafting/Rescue	1
PEAC 1380	Outdoor Multi-Sport	1 - 3
PEAC 1387	Indoor Rock Climbing	1
PEAC 1540	Mountain Biking	1
PEAC 2018	PE:Water Safety/Lifeguard Training	1
PEAC 2025	Wilderness Navigation	1
PEAC 2058	Backcountry Skiing & Snowboarding	1
PEAC 2088	Alpine Climbing and Rescue	1

*G&R 1090, G&R 2020, G&R 2030, G&R 2032, G&R 2033, G&R 2034, G&R 2035, G&R 2090, PEAC 1258, PEAC 1259, PEAC 1287, PEAC 1297, PEAC 1540, PEAC 2018, PEAC 2025, PEAC 2058: Field-based, off-campus course*

*\*G&R 2031, G&R 2050, EDUC 2050 together constitute the National Outdoor Leadership School (NOLS) semester course and must be taken concurrently. In addition HLED 2010 may be taken concurrently for select NOLS semesters.*

**Total Credit Hours: 60**

# Science, Technology, Engineering and Math

## BIOLOGICAL SCIENCE

See: Science, AS (p. 196)

## CHEMISTRY

See: Science, AS (p. 196)

## COMPUTER SCIENCE, AS



### Program Description

Students of computer science 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. **(Wyoming Works Eligible)**

Upon successful completion of this program, the student should be able to:

1. Transfer to the four-year institution of their choice to continue their studies in computer science.
2. Demonstrate the ability to apply knowledge of computing and mathematics appropriate to the discipline.
3. Demonstrate an ability to function effectively on teams to accomplish a common goal.
4. Demonstrate the ability to communicate information effectively in both oral and written formats to diverse audiences.
5. Demonstrate the ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
6. Demonstrate an understanding of the need for and an ability to engage in continuing professional development.
7. Demonstrate an understanding of the ethical and societal dimensions of computer science and will put into practice the expectations for appropriate conduct both as a professional and as a member of society at large.



**General Education Requirements**

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329). (SOC (p. 329) is in the program)	3 credits
SOC (p. 329)	3 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

**Program Requirements****Course Requirements**

CO/M 1010	Public Speaking	3
COSC 1010	Intro to Computer Science I:	4
COSC 1030	Computer Science I:	4
COSC 2030	Computer Science II	4
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
PHYS 1310	College Physics I	4
PHYS 1320	College Physics II	4
STAT 2050	Fundamentals of Statistics	4

**Total Credit Hours: 64**

## COMPUTER TECHNOLOGY, AAS



### Program Description

The Associate of Applied Science degree in Computer Technology is designed for students who have minimal experience and knowledge of PC computer technology.

The general education requirements are designed to encourage students to develop critical and creative thinking, computation, and communication skills. The program requirements introduce students 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 students with a blended knowledge of computer networking hardware/software, software design and a broad understanding of the Linux operating system. **(Wyoming Works Eligible)**

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(in program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

CMA1615	Operating Systems:	3
CMA1650	Introduction to Networking	3
CMA1725	Word Processing Applications:	3
CMA1775	Spreadsheet Applications:	3
CMA1815	Database Applications:	3
CMA1920	Hardware Maintenance	4
CO/M 2130	Human Relations	3
	OR	
MGT 2130	Human Relations	3
CMA1680	Microcomputer Applications:	3
CPED 1000	Co-Op Work Experience I:	3
CSEC 1500	Computer Network Security +	3
PFDV 1500	Managing Career Development	3

*CMA1615, CMA1725: Students who have limited or no computer experience must take CMA1680 before enrolling in CMA1615 or CMA1725.*

## Program Electives

Select thirteen (13) credits for the completion of Program Electives from the following course prefixes:

CMAP/COSC/CPED/ENTR/IMGT/ or

ART 1178	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 certificate I program in Computer Technology is designed for students who have had previous coursework or work experience with PC computer technology. The general education requirements are designed to encourage students to develop computation and communication skills.

The program requirements introduce students to the basic CompTIA A+ hardware standards, multimedia applications and Windows operating system.

The program electives provide students 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 (p. 329))/ORAL (p. 329)	3 credits
MATH (p. 329)/APPM (p. 329)	3 credits
UNST (p. 329)	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 1680 before enrolling in CMAP 1615 or CMAP 1725.*

### Program Electives

Select seven (7) credits for the completion of Program Electives from the following course prefixes:

CMAP/COSC/CPED/ENTR/IMGT/MSFT

**Total Credit Hours: 30**

## COMPUTER TECHNOLOGY CERTIFICATE II

### Program Description

The Certificate II for Computer Technology is designed for students who have coursework in the computer field and/or work experience in the computer networking industry.

Students may select courses in computer networking hardware/software, software design, Microsoft Office Suite software applications and operating systems.

Students who choose this certificate and are deficient in computer skills, theory, hardware, software/operating systems coursework may be required to take prerequisite coursework before enrolling in the Cisco or Microsoft certification courses.

Completion of the certificate involves more than one semester.

### Program Requirements

#### Course Requirements

COSC/CMAP/CSEC/ENTR/MSFT/IMGT	15
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**Total Credit Hours: 15**

## ENGINEERING, AS

### Program Description

The Pre-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. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329).	6 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
UNST (p. 329)	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
PHYS 1320	College Physics II	4

### Program Electives

**Students must choose a minimum of 10 credits from the following courses:**

BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
CHEM 2320	Organic Chemistry I	4
CHEM 2340	Organic Chemistry II	4
COSC 1010	Intro to Computer Science I:	4
COSC 1030	Computer Science I:	4
ES 2210	Electrical Circuit Theory	3
ES 2310	Thermodynamics	3
ES 2330	Fluid Dynamics	3
ES 2410	Mechanics of Materials	3
MATH 2250	Elementary Linear Algebra	3
MATH 2800	Math Major Seminar	2
STAT 2050	Fundamentals of Statistics	4
PHYS 1310	College Physics I	4

**Total Credit Hours: 64**

## MANAGEMENT INFORMATION SYSTEMS

See: Computer Science, AS (p. 189)

## 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 those 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 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329).	6 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	3 credits
UNST (p. 329)	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 2310	Applied Differential Equations	3
MATH 2800	Math Major Seminar	2
PHYS 1310	College Physics I	4
PHYS 1320	College Physics II	4

#### Program Electives

Student must choose a minimum of seven (7) credits from the following courses:

BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4
CHEM 1020	General Chemistry I	4
CHEM 1030	General Chemistry II	4
CHEM 2320	Organic Chemistry I	4
CHEM 2340	Organic Chemistry II	4
COSC 1010	Intro to Computer Science I:	4
COSC 1030	Computer Science I:	4
ES 2110	Statics	3
GEOG 1100	Introduction to Geographic Info Systems	4
MATH 2355	Mathematical Applications (for Business)	4
STAT 2050	Fundamentals of Statistics	4

#### General Electives (3 credits)

**Total Credit Hours: 60**

## PHYSICAL SCIENCE

See: Science, AS (p. 196)

## 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 provides the opportunity for knowledge and skill development in preparatory coursework necessary 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.

Upon successful completion of the program the student will be able to:

1. Transfer to a four-year institution of their choice to continue their studies in the life or physical sciences, or continue preparation for a professional program in the health sciences.
2. Demonstrate the interdisciplinary nature of Science by integrating knowledge of chemistry, Physics, biology, and other disciplines to solve a wide variety of problems.
3. Apply the process of science by demonstrating laboratory skills that allow for the safe planning and performance of experiments and the interpretation of results
4. Demonstrate the ability to communicate Scientific information effectively in both oral and written formats to diverse audiences
5. Demonstrate the ability to use quantitative reasoning through the application of technological and computational skills to locate, process, and communicate scientific information
6. Demonstrate an understanding of the ethical and societal dimensions of the sciences, and put into practice the expectations for appropriate conduct both as professional and as a member of society at large.

## General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
Writing Level II (WR2 (p. 329))	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. 329)/HUM (p. 329)/SOC (p. 329)	6 credits
LSCI (p. 329)	(in program)
MATH (p. 329)	(in program)
ORAL (p. 329)	(in program)
UNST (p. 329)	1 credits

## Program Requirements

### Course Requirements

BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
CO/M 1010	Public Speaking	3
PHYS 1110	General Physics I OR	4
PHYS 1310	College Physics I	4

## Program Electives

**Student must choose twenty-nine (29) credits from the following courses:**

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 2020	General Biology II	4
CHEM 1021	Chemical Problem Solving I	1
CHEM 1030	General Chemistry II	4
CHEM 1031	Chemical Problem Solving II	1
CHEM 2230	Quantitative Analysis	4
CHEM 2300	Introductory Organic Chemistry OR	4
CHEM 2320	Organic Chemistry I	4
CHEM 2340	Organic Chemistry II	4
COSC 1010	Intro to Computer Science I: OR	4
ES 1060	Intro to Engineering Problem Solving	3



GEOL 1100	Physical Geology	4
GEOL 1470	Environmental Geology	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 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. **(Wyoming Works Eligible)**

### General Education Requirements

Writing Level I (WR1 (p. 329))	3 credits
American & Wyoming Government (POLS 1000)	3 credits
MATH (p. 329)/APPM (p. 329)/LSCI (p. 329)	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. 329) or ORAL (p. 329).	
ARTS (p. 329)/HUM (p. 329)/IT (p. 329)/ORAL (p. 329)/SOC (p. 329)/WR2 (p. 329)	(In program)
UNST (p. 329)	1 credits

### Program Requirements

#### Course Requirements

BADM 1020	Business Communications	3
CMA1615	Operating Systems:	3
CMA1650	Introduction to Networking	3
CMA1725	Word Processing Applications:	3
CMA1775	Spreadsheet Applications:	3
CMA1815	Database Applications:	3
CMA1920	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	
CO/M 2130	Human Relations	3
PFDV 1500	Managing Career Development	3

*CMA1615, CMA1725: Students who have limited or no computer experience must take CMA1680 before enrolling in CMA1615 or CMA1725.*

## 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**

## 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 2+2 Program Agreements

*2 YEARS AT THE COMMUNITY COLLEGE (EARNING AN ASSOCIATE'S DEGREE)*  
*+ 2 YEARS AT UW*  
*4 YEAR BACHELOR'S DEGREE*

Central Wyoming College and the University of Wyoming have partnered to provide degree-specific articulation agreements that assure students that courses taken at CWC meet UW degree course requirements.

These articulation agreements – “2+2 degree plans” – 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 2+2 plans 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 2+2 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.

The following http address takes you to the 2+2 Degree Plans for CWC Students transferring to UW:

<http://www.uwyo.edu/acadaffairs/degree-plans/wy-2-plus-2/by-college/cwc/index.html>

# 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 and course number 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 – 2999 indicate that the content of the course is at the college level. These courses may be applied toward completion of a program of study. Courses in parenthesis () indicate the previous department abbreviation and course number.

## Course Offering Cycles

Central Wyoming College maintains a list of all courses offered at the institution, including how often the courses are offered (term) and by location. This is a great resource to use when planning your schedule and developing your academic plan. Follow this link to view the CWC Course Offering Cycle List: [CWC Course Offering Cycles](#)

## 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
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.

## ACCT - Accounting

### **ACCT 1010 - Principles of Accounting I (4 credits)**

A study of the basic principles of accounting as they apply to a sole proprietor business and a partnership. Prerequisite: Completion of MATH 0920, or test in MATH 0930 or higher. (4 lect.)

### **ACCT 1020 - Principles of Accounting II (3 credits)**

A study of the basic principles of accounting as they apply to corporation accounting, financial statements, managerial accounting, and planning and controlling business operations. Prerequisite: Completion of ACCT 1010. (3 lect.)

### **ACCT 1065 - Computerized Accounting: (2 credits)**

This course will provide an introduction to accounting software and its application to the accounting cycle. Training will be provided in setting up the original accounting records for a business with the software and then in recording various accounting transactions. (1 lect., 2 lab) *IT*

### **ACCT 1750 - Income Tax (3 credits)**

This course is designed to have both personal and vocational value. Students will learn the latest tax information that is generally applicable to many taxpayers. This information will allow students to prepare their own tax returns intelligently and provides the necessary foundation for those who enter the vocation of preparing individual and business tax returns. Generally offered in Spring only. (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 1010 or instructor's permission. (3 lect.)

### **ACCT 2230 - Intermediate Accounting I (3 credits)**

The primary function of financial accounting is to provide useful financial information to users external to the business enterprises. The focus of financial accounting is on the information needs of investors and creditors. This course is a study of accounting principles and procedures with emphasis on analysis, interpretation, and controls required for both the business and providing external entities useful financial information. Financial statements studied include balance sheet, income statement and statement of cash flows. Besides financial statements, students will study income measurement and profitability analysis, time value of money concepts, and inventories. Prerequisite: Completion of ACCT 1020. (3 lect.)

### **ACCT 2240 - Cost/Managerial Accounting (3 credits)**

An introductory investigation of fundamental principles of managerial cost accounting, such as accumulation and reporting of accounting information for product costing and standard costing, as well as information and processes useful in planning, decision-making and control activities. Generally offered in Fall only. Prerequisite: Completion of ACCT 1010. (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 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, AGECE 2020, REWM 2000 or AECL 1000 or SOIL 2010. (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.)



## **AIST - American Indian Studies**

### **AIST 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 AIST 1005 may not earn credit in CO/M 1005. (3 lect.)

### **AIST 1100 - American Indian Education (3 credits)**

This course is designed to address the pertinent issues of American Indian Education in the United States. It includes a comprehensive historical review of traditional American Indian ways of knowing and learning, and the changes in this process brought on by 130 years of U.S. government policy and regulation. Theories of education, including content (curricula) and processes (ways of learning) will be examined in this context, as well as techniques to be successful teaching in Indian/Non-Indian classrooms. Students who receive credit in AIST 1100 may not receive credit in EDUC 1100. (3 lect.)

### **AIST 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**

### **AIST 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.)

### **AIST 2060 - Topics in Native America: (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.)

### **AIST 2100 - Nation Building Leadership & Governance (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.)

**AIST 2140 - Tribal Res Mgmt Econ Dev & Entre (3 credits)**

This course examines tribal government resource management, economic development and business entrepreneurship to sustain tribal nations. The course emphasizes the breadth of decision making and knowledge base needed as a tribal leader to manage tribal natural resources, economic ventures, develop tribal and individual businesses within Indian communities. There is not "one size fits all" hence cases studies and simulation derived from field research and experience are utilized to engage students in the multidimensional settings that confront native societies. (3 lect.)

**AIST 2290 - History of U.S. 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 AIST 2290 may not earn credit in HIST 2290. (3 lect.)

**AIST 2300 - Federal Indian Law (3 credits)**

Survey of law that applies to individual Indians and tribal governments. In particular, explores the legal relationships among and relative jurisdictions of federal, tribal and state governments. Specific topics include civil and criminal jurisdiction, taxation, family law, hunting and fishing and gaming regulations. (3 lect.)

**AIST 2340 - American Indian 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 AIST 2340 may not earn credit in ENGL 2340. Prerequisites: Completion of ENGL 1010. (3 lect.) *HUM*

**AIST 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.)

**ANSC - Animal Science****ANSC 1010 - Livestock Production I (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 (3 credits)**

This course will teach comparative appraisal and selection of cattle, sheep, swine, and light horses. The student may be selected from this class to represent Central Wyoming College at regional and national judging contests. (1 lect., 4 lab)

**ANSC 2010 - Domestic Animal Metabolism (3 credits)**

This course integrates cellular 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)

## ANTH - Anthropology

### **ANTH 1100 - Introduction to Physical 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 1210 - Climate Change and the Human Experience (3 credits)**

This course is a broad survey of human biological and cultural evolution. It examines the relationships between humans and their environments, in other words, how climate has affected human experience and culture through time and around the globe. The course uses a holistic, anthropological perspective to examine how hunter-gatherers, agriculturalists, and industrial societies have tried to adapt to and control climate and food production through religion and technology. Global climate is currently changing at an unprecedented rate which is problematic as culture is conservative and resistant to change. Wild fluctuations in temperature and precipitation, catastrophic storms and melting ice caps present us with increasingly difficult and costly challenges. (3 lect.)

### **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 - Archaeology 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. Students will apply skills and competencies in written and oral communications directed toward eventual publication of research results. Students' 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, students will develop a thorough understanding of how their work in the field relates to the project research design. 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, students 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. All students are expected to 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 students 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. Students must have health insurance. Prerequisites: Completion of ANTH 1300 and instructor's permission. (3 lect.)

**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. Students are 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 - Design: 2D (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 - Design: 3D (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 - 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 1178 - 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, students 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: Students 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)

**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, students will learn of various social, economic, and historical factors which motivated and conditioned the aesthetic forms. Students 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, students will learn of various social, economic, and historical factors which motivated and conditioned the aesthetic forms. Students will also learn to recognize the stylistic characteristics of each period. (3 lect.) *HUM*

**ART 2076 - Illustration II (3 credits)**

This course will equip students to apply elements of image making, concept, style, composition, and the design process to the broad field of illustration. Students will learn to use traditional and non-traditional art materials and approaches (including digital) in the creation of illustrative images. Students will use and enhance an overall visual vocabulary which will include photography, drawing/painting, type, the elements/principles of art, and digital imaging. Prerequisite: Completion of ART 1005. (2 lect., 4 lab)

**ART 2090 - Printmaking I (3 credits)**

This course is an introduction to the history, processes, and materials of both traditional and contemporary print making. The class will cover intaglio, lithography, relief, and mono printing. The development of ideas and concepts are encouraged through theory, criticism, and historical reference. (2 lect., 4 lab)

**ART 2140 - Photography III (3 credits)**

This is an advanced course in digital or film photography with greater emphasis on individual projects or portfolios. Students 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. Students 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. Students 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. Students **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. Students 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. (2 lect., 4 lab)

### **ART 2178 - Digital Imaging II (3 credits)**

This course builds on the ideas and design concepts presented in Digital Imaging I. Students 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 1178 or permission of instructor. (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. Students are encouraged to explore different paint media (oil, acrylic, watercolor, etc.) or to focus on one area of study. In addition, students will be encouraged to continue developing techniques and concepts related to painting. Prerequisite: Completion of ART 2210 or instructor's permission. (2 lect., 4 lab)

### **ART 2230 - Painting III (3 credits)**

This is an advanced course in painting. Students are 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 or instructor's permission. (2 lect., 4 lab)

### **ART 2310 - Sculpture I (3 credits)**

This course is an introduction to the fundamentals of sculpture. Traditional and contemporary concepts are investigated through a variety of medias. The development of ideas and concepts are 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. Students are 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, students will be encouraged to continue developing techniques and concepts related to sculpture. Prerequisite: Completion of ART 2310 or instructor's permission. (2 lect., 4 lab)

**ART 2330 - Sculpture III (3 credits)**

This is an advanced course in sculpture. Students are 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, students 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 or instructor's permission. (2 lect., 4 lab)

**ART 2345 - Art Metal Casting (3 credits)**

This course is an examination of the bronze casting processes in sculpture. Students 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 students are allowed to explore different glass techniques or focus on one area of study. In addition, students will continue to develop techniques and concepts related to art glass. Prerequisite: Completion of ART 2385 or instructor permission. (2 lect., 4 lab)

**ART 2387 - Art Glass III (3 credits)**

This is an advanced course in glass. Students are 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 or instructor permission. (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)

**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)

**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, students will be encouraged to continue developing techniques and concepts related to ceramics. Prerequisite: Completion of ART 2410 or instructor's permission. (2 lect., 4 lab)

**ART 2430 - Ceramics III (3 credits)**

This is an advanced course in ceramics. Students are 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, students will be encouraged to continue developing techniques and concepts related to ceramics. Prerequisites: Completion of ART 2420 or instructor's permission. (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)

**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)

**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)

**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 cyanotypes, 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)

**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 or instructor's permission. (1-3 lect.)

**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)

**ASTR - Astronomy****ASTR 1050 - Survey of Astronomy (4 credits)**

Survey of Astronomy is a one semester 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, 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 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 (3 credits)**

This is an introductory course emphasizing the operational principles of basic engine systems and overhaul of the automotive engine. Emphasis will be placed on proper use of precision measuring instruments and rebuilding tools, ability to locate and interpret engine specifications, engine diagnosis, and correct repair procedures (1 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. (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 lec.)

**AUTO 1690 - Power Train Fundamentals (4 credits)**

This course emphasizes the principles of operation, diagnosis, and repair of clutches, manual transmissions and trans-axles, drive-lines, 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. (2 lect., 4 lab)

**AUTO 1730 - Automatic Transmissions (4 credits)**

This course encompasses the theory of operation, diagnosis, maintenance, and overhaul procedures of automatic transmission and trans-axles with a major emphasis on the hydraulic systems and electronic controls used in automatic transmissions and trans-axles. (2 lect., 4 lab)

**AUTO 1740 - Brake Systems (4 credits)**

In the brake systems course 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. Students will be required to pass strict procedural testing to pass this course. (2 lect., 4 lab)

**AUTO 1755 - Automotive Suspension and Alignment (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. Students will be instructed in suspension evaluation techniques, parts replacement, and alignment strategies expected of entry level technicians. Students will be 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. (2 lect., 4 lab)

**AUTO 1760 - Heating & Air Conditioning (3 credits)**

This course introduces students 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. (1 lect., 4 lab)

**AUTO 1765 - Automotive Electrical Systems (4 credits)**

This course teaches student 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. (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. Students 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. (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. (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 & Tune-Up Procedures (4 credits)**

This course introduces students 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. Students are 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. (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 Admin.**

### **BADM 1005 - Business Math I (3 credits)**

This applied math course focuses on real-world business problems. Students will calculate percentages, establish retail prices, calculate payroll, calculate simple and compound interest, evaluate investment opportunities, and learn to read and create graphs and charts. Prerequisite: Completion of MATH 0920 or test into MATH 0930 or higher. (3 lect.) **APPM**

**BADM 1020 - Business Communications (3 credits)**

Successful business professionals are effective communicators. This course will develop and sharpen students' written, oral, and interpersonal communication skills. Students will explore crucial rhetorical issues that impact their ability to communicate and achieve specific objectives as business leaders. The psychology and mechanics of written business communication will be thoroughly explored and widely applied. Documents that demand careful planning and composition, solid content and argument, and logical organization and structure will be created. Non-written applications in business areas such as international/intercultural, nonverbal, interpersonal, and ethical communication will also be stressed. Prerequisite: Completion of ENGL 1010. (3 lect.) **WR2**

**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 2100 - Small Business Practices (3 credits)**

This course focuses on the fundamentals of entrepreneurship and small business operations. It deals with the how-to's of operating a small business, marketing and making management decisions as they relate to the small business owner. Generally offered in fall only. (3 lect.)

**BADM 2105 - Small Business Management (3 credits)**

This course will cover the essentials of management for a business with one to fifty employees and will give the student a comprehensive understanding of critical small business issues. Topics include the impact of small business on our economy, essential small business management strategies, entrepreneurship, the business plan, financial statement literacy and capital requirements, marketing strategies, human resources, and legal issues. (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 MGT 1040 or permission of instructor. (3 lect.)

**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. Students 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 2020 - General Biology II (4 credits)**

This course is a continuation of BIOL 1010. It includes classification of living organisms and a brief introduction to biodiversity. Major processes such as nutrient procurement and utilization, transport, gas exchange, information processing, reproduction and development are compared in major taxonomic groups. The topic of ecology is used as a focal point late in the course to integrate processes and biodiversity. 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.)

### **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 - Introduction to Chemistry (4 credits)**

This is a one semester course dealing with the principles of chemistry as related to inorganic and organic systems. Emphasis is placed on understanding the scientific method and practical applications of chemistry for non-science majors. Critical thinking is used for chemical problem solving. Qualitative and quantitative analytical laboratory techniques are practiced. This course also serves as a course for those with insufficient background for CHEM 1020. 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 1021 Chemical Problem Solving I. Prerequisites: Completion of MATH 0930; concurrent enrollment in MATH 1400 and one year of high school chemistry or integrated science recommended. (3 lect., 3 lab) *LSCI*

**CHEM 1021 - 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 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. Students taking this course are encouraged to concurrently enroll in CHEM 1031 Chemical Problem Solving II. Prerequisite: Completion of CHEM 1020; MATH 1400 highly recommended. (3 lect., 3 lab)

**CHEM 1031 - 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)**

A broad coverage of analytical techniques, principles and calculations. Emphasis on analytical methods commonly used in laboratories. Offered only with sufficient enrollment. Prerequisite: Completion of CHEM 1030. (2 lect., 6 lab)

**CHEM 2300 - Introductory 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. Prerequisite: Completion of CHEM 1000 or CHEM 1020. Students earning credit in CHEM 2300 may not earn credit in CHEM 2320. (4 lect.)

**CHEM 2320 - Organic Chemistry I (4 credits)**

The first semester of a one-year sequence in organic chemistry. The courses are approached from the viewpoint of modern chemical theory with special emphasis on structural and mechanistic concepts. Students desiring a one-semester terminal course should take CHEM 2300. Prerequisite: Completion of CHEM 1030. Students earning credit in CHEM 2330 may not earn credit in CHEM 2300. (3 lect., 3 lab)

**CHEM 2340 - Organic Chemistry II (4 credits)**

The second semester of a one-year sequence in organic chemistry. The courses are approached from the viewpoint of modern chemical theory with special emphasis on structural and mechanistic concepts. Students desiring a one-semester terminal course should take CHEM 2300. Prerequisite: Completion of CHEM 2320. (3 lect., 3 lab)

## **CMAP - Computer Applications**

**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 1680 - Microcomputer Applications: (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 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)

### **CMAP 1725 - 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 1680 or computer experience. (3 lect.)

### **CMAP 1775 - 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 1680 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.)

### **CMAP 2510 - Survey of Multimedia (3 credits)**

This course introduces students with previous computer experience to the concepts, elements, and skills of multimedia. Students are introduced to the e-Learning industry and observe examples of training projects created in the corporate world. Students are taught basic skills in graphic design, video editing, web authoring, web animation, rich media, and audio editing. Important web design concepts, including analysis, visual and functional design, media production and acquisition, evaluation, and project management are presented. (3 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 (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 1505 - Introduction to Construction Technology (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 1510 - Workplace Safety & Tools (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. & 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 - Residential Blueprint Reading (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 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 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). (1 lect.)

### **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. (1 lect.)

### **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. (1 lect.)

## **CO/M - Communications Media**

### **CO/M 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 CO/M 1005 may not earn credit in AIST 1005. (3 lect.)

### **CO/M 1010 - Public Speaking (3 credits)**

This public speaking course includes an examination of theoretical elements common to all speaking situations. The emphasis is on practical application; students are required to present a number of speeches. (3 lect.) **ORAL**

### **CO/M 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**

**CO/M 1040 - Intro to Human 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.)

**CO/M 1050 - Conflict Mgmt & Mediation (3 credits)**

This course begins from the premise that conflict is part of everyday life. It is as common as laughter, anger, and love and is probably no less important than any of these. Conflict is a natural, inevitable, and potentially beneficial part of our personal and professional lives. It can reveal injustices, usher in much-needed change, and be a source of personal growth, social transformation, and reconciliation. On the other hand, conflict can also breed resentments and alienation, and may be waged with all manner of destructive violence, including war. This course provides an introduction to a range of potentially positive conflict management processes. It blends theory, research, and practical skills to help better understand and manage conflicts. (3 lect.)

**CO/M 1060 - Forensics (1 credits)**

This course is designed for students who compete in their first and second semester of competition in intercollegiate speech activities such as debate, platform, oral interpretation, and limited preparation events sponsored by the American Forensic Association (AFA), Phi Rho Pi, and National Parliamentary Debate Association (NPDA). Students enrolled in this course develop and advance their skills in the appropriate strategies for research, literary criticism, communication analysis, speech composition, speech delivery, and critical thinking. Because of the academically rigorous environment in which students will participate, students should expect to dedicate ten to fifteen hours per week for preparation, time of which two to five hours per week will be with the instructor and the remaining hours are outside of classroom. Prerequisite: Consent of the Instructor. (2 lab)

**CO/M 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**

**CO/M 2060 - Forensics II (1 credits)**

This course is designed for students who are starting their third semester of competition in intercollegiate speech activities such as debate, platform, oral interpretation, and limited preparation events sponsored by the American Forensic Association (AFA), Phi Rho Pi, and National Parliamentary Debate Association (NPDA). Students enrolled in this course continue to advance their skills in the appropriate strategies for research, literary criticism, communication analysis, speech composition, speech deliver, and critical thinking. In addition, students will learn the process of tournament function and students are introduced to coaching practices and principles. Because of the academically rigorous environment in which students will participate, students should expect to dedicate ten to fifteen hours per week for preparation, of which five to ten hours per week will be with the instructor and the remaining hours are outside of the classroom. Prerequisite: Consent of the instructor and complete 2 credits of CO/M 1060. (2 lab)

### **CO/M 2090 - 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.)

### **CO/M 2100 - Reporting and Newswriting (3 credits)**

This course is designed to provide the student with a solid introduction to the theory and practice of journalistic writing used in writing for newspapers, magazines and other forms of printed media. CO/M 2100 will require writing for a variety of purposes and audiences, including the interdisciplinary research skills of locating, evaluating, analyzing and organizing information in at least one extensive writing assignment. The course will also address journalistic ethics and the role of writing in contemporary society. Students further refine their writing through revision and editing, and practice the accepted conventions of Standard English. Prerequisite: ENGL 1010. (3 lect.) **WR2**

### **CO/M 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 CO/M 1030 or CO/M 1040. (3 lect.)

### **CO/M 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 course will enhance a student's ability to solve problems and think critically about relationships with peers, co-workers, supervisors, and in one's personal life. The course will provide the student with human relations skills critical for successful leadership in a changing environment. A student earning credit in this course may not earn credit for MGT 2130. (3 lect.) **ORAL**

### **CO/M 2135 - Gender and Communication (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**

### **CO/M 2150 - Argumentation (3 credits)**

This course is designed to provide a theoretical framework for studying the principles of argumentation through understanding fundamental argumentation theories and the foundations of structuring propositions. Successively, emphasis will be on the ability to distinguish between proposition and claim types, the development of informal logic, strategies for research, the capacity to distinguish acceptable from spurious evidence, and case construction. Practical application will result with the students successfully creating an effective speech presentation generating belief and conviction. (3 lect.)

**CO/M 2250 - Organizational Communication (3 credits)**

This course takes a theoretical approach to the practice and study of communication within organizational settings, including the study of classical theories, human relations theories, human resources theories, and system theories. The most common organizational communication variables are reviewed (e.g., organizational structure, gender and cultural roles, conflict, power, and managerial leadership style). Applying the principles of theories and the contextual impact of the variables will provide students with a repertoire of useful analytic tools for describing, analyzing, critiquing, and improving organizational communication. Prerequisite: Completion of CO/M 1030 or CO/M 1040. (3 lect.)

**CO/M 2270 - 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 CO/M 1030 or CO/M 1040. (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 0700 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 provides an introduction to the fundamental concepts of computer programming, computer programming languages, and software engineering. The emphasis throughout the course is preparation for continued computer science studies. A modern programming language is used as the tool to develop computer programs. Prerequisite/Co-requisite: Completion of MATH 1400, concurrent enrollment in MATH 1400, or an appropriate score on the MATH placement test to demonstrate mastery of math skills covered in 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 - Introduction 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 data types. Programming exercises and experimentation with software in a closed laboratory supplement the discussion. Prerequisite: Completion of COSC 1030. (3 lect., 2 lab)

## **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 1020 - Intro to Law Enforcement (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 2100 - Politics & Judicial Process (3 credits)**

This course will examine the function of courts, characteristics of the judicial process, approaches to the study of judicial behavior, the role of the courts as policy makers and the relationship of the court to other branches of government. (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 II/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/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 2140 - Criminal Legal Procedures (3 credits)**

This course is a survey of constitutional law and its relationship to the criminal justice system. Students will analyze the laws of arrest, search and seizure, confessions and signed statements; they will also study and evaluate evidence and proof. Particular attention is given to application of Wyoming requirements. (3 lect.)

**CRMJ 2210 - Criminal Law (3 credits)**

This course covers general criminal law, which includes, but is not limited to, the following topics: the nature, origins, structure and purposes of criminal law; the constitutional limits on criminal law; the general principles of criminal liability; the doctrines of complicity and inchoate crimes; and the defenses to crime including excuse, justification and alibi. Special emphasis is placed on Wyoming provisions. (3 lect.)

**CRMJ 2230 - Law of Evidence (3 credits)**

The purpose of this course is to introduce the student to the rules of evidence, particularly as they apply to criminal trials. The Federal Rules of Evidence, burdens of presentation and proof, the exclusionary rule, the presumption of innocence, witness examination procedures, and related legal issues are discussed. (3 lect.)

**CRMJ 2360 - 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 2370 - Probation and Parole (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 2410 - Juvenile Delinquency (3 credits)**

This course presents the history, philosophy and function of the juvenile court system, juvenile court procedures and laws, as well as theories of delinquency causation, and intervention strategies for juveniles. It includes an evaluation and analysis of law, institutions, policies, and practices of the juvenile justice system in the United States since its inception. In addition, a blend of theoretical questions, practical applications and possible solutions will be provided and discussed. (3 lect.)

**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.)

**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.)



### **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.)

### **CRMJ 2685 - Research in Criminal Justice (3 credits)**

This course is designed to provide students 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. Students 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**

## **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 - Introduction to Nail Technology (3 credits)**

This course will explore the structure, composition and growth of nails. Students will learn about diseases and disorders of the skin and nail. Topics include product and ingredient technology, its usage and safety. (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. Students learn hands-on techniques for nail care, application of nail products, nail art, pedicures, as well as hand, arm feet, and leg massage. Students will apply concepts addressed in CSMO-1500. (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. Students are required to successfully pass a comprehensive exam to complete this course. (2 lab)

### **CSMO 1600 - Introduction to Skin Technology (3 credits)**

This course is an introduction to skin structure, disorders, and nutrition. Students will learn how to analyze skin problems and cleanse, beautify, and preserve the health of skin on the entire body. Product technology and use, and massage principles are covered in this course. (3 lect.)

**CSMO 1605 - Skin Technology Lab (1 credits)**

This course provides an opportunity for the cosmetology and/or esthetician student to work through the applications learned in CSMO 1600. (2 lab)

**CSMO 1610 - Esthetics Concepts (3 credits)**

This course fulfills the requirements of infections control, general nutrition, and the use of electricity, electrotherapy, and light therapy within the skin care area. Students learn to analyze skin types and provide facial treatments, facial massage, and the use of cosmetics, and skin care productions. (3 lect.)

**CSMO 1620 - Esthetics Concepts Lab (2 credits)**

This course is designed to provide the hands-on instruction to complement the lecture course in Esthetics Concepts (CSMO-1610). The student will perform facial treatments, facial massage, apply cosmetics and skin care products, and incorporate the use of electricity, electrotherapy and light therapy. Prerequisite: Completion of or concurrent enrollment in CSMO-1610. (4 lab)

**CSMO 1675 - Esthetics Assessment (1 credits)**

This capstone course provides the student with a comprehensive review of the knowledge and skills required for certification as an Esthetician. Students are required to successfully complete a comprehensive exam to pass this course. (2 lab)

**CSMO 1680 - Science of Hair Removal (2 credits)**

This is a required course for the Cosmetology and Esthetician student. Students will learn the various procedures for temporary and permanent hair removal. Topics include the contraindications for hair removal, pre and post services, and safety precautions. (2 lect.)

**CSMO 1700 - Introduction to Hair Technology (3 credits)**

This course studies the properties of the hair and scalp, including the chemistry, color and growth patterns of hair. Hair loss and disorders of the scalp are taught. Basics of chemistry and electricity are introduced in context to working in Cosmetology. (3 lect.)

**CSMO 1701 - Orientation to Cosmetology (1 credits)**

This course is required of all Cosmetology, Hair Technician, Nail Technician, and Esthetician students. The course provides an overview of the field and disciplines of Cosmetology. There is an emphasis on professional presence, ethics, human relations, interpersonal communication and Wyoming laws as they pertain to Cosmetology. (1 lect.)

**CSMO 1702 - Infection Control for Cosmetology (3 credits)**

This course is required of all Cosmetology, Hair Technician, Nail Technician, and Esthetician students. Topics include cleaning, disinfection, and sterilization. Students learn how to safely clean and disinfect salon tools and implements, and keep the salon area sanitary following all laws and rules. Students also learn how standard precautions protect the client and the student. (3 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. Students 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. (8 lab)

**CSMO 1710 - Introduction to Hair Technology II (3 credits)**

This course is part II of the science of hair and its practices. Students learn more in depth knowledge and application of hair structure and hair design and styling. Topics include hair cutting, braiding, extensions, and wigs. Prerequisite: Completion of CSMO-1700, and CSMO-1705. (3 lect.)

**CSMO 1715 - Hair Fundamentals II (2 credits)**

This course will apply hairstyling principles taught in CSMO 1710, with an emphasis on haircutting and hairstyling. Prerequisite: Completion of CSMO-1705. (4 lab)

**CSMO 1720 - General Cosmetology Science (3 credits)**

This course is required for all Cosmetology, Hair Technician, Nail Technician, and Esthetician students. The course is a broad examination of the cosmetology sciences to include anatomy, physiology, electricity, and basic cosmetology chemistry. (3 lect.)

**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, and CSMO 1705. (6 lab)

**CSMO 1735 - Cosmetology Lab II (3 credits)**

This course explores the physical properties and safety of services and practices on hair. Prerequisite: Completion of CSMO 1700, and CSMO 1705. (6 lab)

**CSMO 1740 - Cosmetology Lab V (3 credits)**

This course will explore the final stages of training for cosmetology services and also includes preparation for the final assessment in Cosmetology. Prerequisite: Completion of CSMO 1730, and CSMO 1735. (6 lab)

**CSMO 1745 - Techniques in Cosmetology (3 credits)**

This course is appropriate for the cosmetology student and is required for the Hair Technician student. It will explore new and innovative techniques as they relate to the areas of cosmetology. (6 lab)

**CSMO 1775 - Hair Technician Assessment (1 credits)**

This capstone course provides the student with a comprehensive review of the knowledge and skills required for certification as a Hair Technician. Students must successfully pass a comprehensive exam to complete this course. (2 lab)

**CSMO 1790 - Clinical Applications III (4 credits)**

This is one of the required clinical applications for a Cosmetology, Hair Technician, Nail Technician, or Esthetician student. It focuses on the hands-on application techniques in all areas of cosmetology to the public. (8 lab)

**CSMO 1795 - Clinical Applications IV (6 credits)**

This is one of the required clinical applications for a Cosmetology, Hair Technician, Nail Technician, or Esthetician student. It focuses on the hands-on application techniques in all areas of cosmetology to the public. (12 lab)

**CSMO 1800 - Clinical Applications V (6 credits)**

This is one of the required clinical applications for a Cosmetology student. It focuses on the hands-on application techniques in all areas of cosmetology to the public. (12 lab)

**CSMO 1815 - Open Clinical Applications (.5 - 4 credits)**

This is a course for the student in Cosmetology programs (Cosmetology, Hair Technician, Nail Technician and Esthetician) who need additional clinical application clock hours to fulfill Wyoming Board of Cosmetology requirements. The course focuses on the hands-on applications techniques in all areas of cosmetology, and is open to serving the public. (1.5 lab - 12 lab)

**CSMO 1875 - Cosmetology Assessment (1 credits)**

This capstone course is intended to evaluate the students' level of competency in the area of cosmetology. Students must pass the comprehensive test in order to successfully complete this course. (2 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 1555 - Food Preparation I: Stocks, Sauces and Soups (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 - Food Preparation II: 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 - Food Preparation III: 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 - Food Preparation IV: Meat Prep and Cook (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, sautéing, 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 - Food Prep V: Fish & Shellfish Prep & 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)

**CUST - Customer Service****CUST 1550 - Certified Service Specialist (10 credits)**

This course prepares students for the service industry. Emphasis is placed on the principles of exceptional customer service, work ethic, personal effectiveness, managing difficult customers, developing computer and writing skills used in the service industry. Students who have credit in CUST 1551, CUST 1552, CUST 1553, and CUST 1554 may not receive duplicate credit for this course. Students earning credit in CUST 1550 may not earn credit in QSCS 1550. (10 lect.)

**CUST 1551 - Service Industry Business Environment (2 credits)**

This course will focus on introducing the student to service industries, with an emphasis on the principles of exceptional customer service, quality, work ethic, and personal effectiveness. Students earning credit CUST 1551 may not earn credit in QSCS 1551. (2 lect.)

**CUST 1552 - Customer Contact Skills (4 credits)**

This course will focus on specific communication skills associated with providing customer service in a business environment. Students will learn both face-to-face and telephone contact skills, including managing difficult customers, information sharing, and valuing customers with various ethnic and cultural backgrounds. Students earning credit in CUST 1552 may not earn credit in QSCS 1552. (4 lect.)

**CUST 1553 - Customer Service Computer Skills (2 credits)**

This course provides the student with an opportunity to perform basic computer skills related to work processing, spreadsheets, databases, e-mail, and e-commerce. Students earning credit CUST 1553 may not earn credit in QSCS 1553. (2 lect.)

### **CUST 1554 - Customer Service Business Skills (2 credits)**

The focus of this course is to provide students with introductory math skills, correspondence and writing skill, problem-solving, and managing changes in the workplace specific to the service industry. Students earning credit in CUST 1554 may not earn credit in QSCS 1554. (2 lect.)

## **DNTA - Dental Assistant**

### **DNTA 1500 - Orientation to Dental Assisting (1 credits)**

This course introduces students to the basic vocabulary used in a dental office setting including identifying the tools used by dental assistants in an everyday environment. (1 lect.)

### **DNTA 1810 - Dental Assisting Fundamentals (5 credits)**

This course is designed to provide an introduction to general chairside manner and chairside dental procedures. The student will learn to read and prepare dental charts. (4 lect., 2 lab)

### **DNTA 1910 - Dental Radiography (3 credits)**

This course instructs the student how to administer and prepare dental x-rays. The student will receive instruction in radiographic techniques, radiographic equipment, patient management, and chart reading and preparation. (2 lect., 2 lab)

### **DNTA 2520 - Dental Office Procedures (1 credits)**

This course instructs the student in the fundamental aspects of operating a modern day dental office. The student will have the opportunity to experience real-life scenarios that occur in a dental office during a normal work day. (1 lect.)

### **DNTA 2820 - Dental Therapeutics & Emergency Management (3 credits)**

This course guides the student in the proper protocol for managing patient comfort during a dental visit, and preventing and responding to an emergency situation within the dental office setting. Topics include patient health and oral health management, pre and post treatment instruction, oral care techniques, and prevention and management of emergencies. (3 lect.)

## **ECON - Economics**

### **ECON 1010 - Macroeconomics (3 credits)**

This course is designed to aid in the development of an economically aware citizenry. Discussion and analysis are focused on aggregate economic behavior or the "big picture." Students taking the course can expect to learn 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. Students will also learn the basic analytical tools of macroeconomics, primarily the aggregate demand and aggregate supply model and its application in the analysis and determination of national income, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Prerequisite: Completion of MATH 0920 or test into MATH 0930 or higher. (3 lect.) **SOC**

**ECON 1020 - Microeconomics (3 credits)**

Active citizens should have an understanding of economic principles. Microeconomics is the branch of economics that examines human behavior and choices as they relate to relatively small economic units- the individual, a firm, an industry, or a single market. The focus in this foundation course will be on how individuals and societies address the fundamental economic problem of scarcity. Students will use the process of economic reasoning to explore decision-making of economic units; supply, demand and resource allocation; analysis of various market and industry structures; shortages, surpluses, social costs and benefits; international trade; and comparative systems. Prerequisite: Completion of MATH 0920 or test into MATH 0930 or higher. (3 lect.) *SOC*

**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 EDEC-1225. (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. Prerequisites: Completion of EDEC 1020 or Instructor permission. (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/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 Early Childhood Education (3 credits)**

This course examines the early childhood educator's role and responsibilities for starting and operating a preschool or child-care 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 1225 - Introduction to Teaching (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.)

### **EDEC 1300 - Young Child Curriculum Planning & Development (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 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, students are required to work/volunteer a total of 60 hours in a directed field experience at an instructor-approved site, and attend weekly discussion seminars as scheduled. 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)

## 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 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.)

## **EDEX - Education-Exceptional Child**

### **EDEX 2484 - Foundations of 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.)

## **EDFD - Education-Foundations**

### **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 EDEC 1225. (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*

**EDUC - Education****EDUC 1050 - Leading Adventure Programs (3 credits)**

This foundational course will focus on leadership development for adventure programs aimed at providing recreation, education, or therapy for their participants. Students will explore the history and philosophy of adventure programming, outdoor leadership skills, environmental stewardship, risk management and effective facilitation of adventure programs. (3 lect.)

**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 1100 - American Indian Education (3 credits)**

This course is designed to address the pertinent issues of American Indian education in the United States. It includes a comprehensive historical review of traditional American Indian ways of knowing and learning, and the changes in this process brought on by 130 years of U.S. government policy and regulation. Theories of education, including content (curricula) and processes (ways of learning) will be examined in this context, as well as techniques to be successful teaching in Indian/Non-Indian classrooms. Students who receive credit in this course may not receive credit in AIST 1100. (3 lect.)

**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.)

### **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 - Public School Practicum (2 credits)**

Students 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. (1 lect., 30 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, desk-top 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.)

### **EDUC 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 Introduction to Outdoor Education (EDUC 1055), instructor's approval, and approval of a host organization. (8 lab)

## **EHS - ENR Environmental Health & 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. (3 lect.)

## **ELEC - Electrical**

### **ELEC 1510 - Electrical 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 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 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.)

### **ELEC 1520 - Electrical 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 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 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.)

### **ELEC 1530 - Electrical 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 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 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.)

### **ELEC 1540 - Electrical 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 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 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.)

### **ELEC 1550 - Electrical 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 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 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.)

### **ELEC 1560 - Electrical 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 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 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.)

**ELEC 1570 - Electrical 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 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.)

**ELEC 1580 - Electrical 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 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 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 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. Students 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 0930. (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.)



## EMT - Emergency Medical Technician

### **EMT 1500 - Emergency Medical Technician: Basic (8 credits)**

This entry-level course is designed to prepare students to provide medical and emergency trauma care at the basic level and to interface with advanced care providers. The course is designed to prepare students to identify medical and trauma emergencies, such as bleeding and shock, soft tissue injuries, fractures and splinting, head and spinal injuries, general pharmacology, cardiovascular and respiratory, diabetic, behavioral, environmental, ambulance/EMS operations, and extrications. In addition, students are instructed in how to provide appropriate interventions for the preceding listed medical and trauma emergencies. Students completing the course and successfully passing the EMT State Certifying Exam are able to work in the field of pre-hospital emergency medicine as paid or volunteer providers. The National Registry of EMT's certification is not equivalent to a state's certification requirements. Students must demonstrate competencies by taking the state certifying exam. Students must provide proof of required immunizations and an AHA Healthcare Provider CPR (or equivalent) certificate before participating in clinical. Recommended: Basic Emergency Care (BEC) Certificate. (6 lect., 1 lab, 1 clinical).

## 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 students improve their ability to communicate in writing. 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 0620 or placement into ENGL 1010. (3 lect.) **WR1**

**ENGL 1020 - English Composition II (3 credits)**

The second semester of college-level composition is a reading and writing courses based on literary texts. Analysis of short stories, poems, and play will be the focus of writing and discussion. Prerequisite: Completion of ENGL 1010. (3 lect.) **WR2**

**ENGL 1210 – Eng Comp 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 patterns 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 2005 - 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 - Wind River Writer's Conference (1 credits)**

This course is associated with attendance of the Wind River Writer's Conference. Students attending the conference 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. Students 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- Introduction to 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.) **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 myths 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 infrequent basis; check with the English Department for availability. Prerequisites: Completion of ENGL 1020 or instructor's permission. (3 lect.)

**ENGL 2230 - Introduction 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 development of a distinct American literature, to the middle of the nineteenth century. Written works are studied within 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 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 - American Indian 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 this course may not also receive credit for AIST 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.)

## **ENR – Environment & Natural Resources**

### **ENR 1005 - Trailbuilding (1 credits)**

This hands-on service learning course teaches students to design, construct and maintain natural and artificial surface single track trails. Students will work with a local land management agency to identify, plan, and complete a recreational trail project on public land. (2 lab)

### **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 & 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 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 within the limits and context of the preceding topics. Students taking the 3 credit lecture portion of the class will receive an S/U grade only. (3 lect.)

**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)

### **ENTR 1505 - Entr I: Entrepreneurial Mindset (3 credits)**

This course introduces the student to the entrepreneurial mindset in its true economic and social context by studying the opportunities that entrepreneurship offers. The student will study the skills, attitudes and behaviors that successful entrepreneurs have historically possessed, as well as the issues, circumstances and obstacles that shaped their time. Additionally, the student will analyze modern-day successful entrepreneurs who overcame hardship and adversity by embracing an entrepreneurial mindset. The entrepreneurial mindset is analyzed and the elements are applied to the student's own mindset and entrepreneurial potential. (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.)

**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 for Timed Events (3 credits)**

The study of how fundamental concepts and basic horsemanship skills apply to training a timed event horse. Topics covered include conformation and bloodlines, types of equipment and its use, training methods. Physical and mental conditioning of both horse and rider will also be stressed. Students will be introduced to the National Barrel Horse Association the concept of 3-D barrel racing. Course will include a 3-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)

**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 1640 - 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, kinesiology of riding and psychological problems. The student needs to supply a horse and tack for this course. (2 lect., 2 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 horsemanship 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 1640. (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 2640 - Fundamentals of Teaching Riding II (3 credits)**

Fundamentals of Teaching Riding II is a continuation of EQST 1640. 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: Completion of EQST 1640 (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)

## **ES - Engineering**

### **ES 1000 - Intro to Engineering (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 0700 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)**

This course provides students with a basic background in Engineering Mechanics by addressing static equilibrium of particles and rigid bodies. Students will study "Vector Mechanics" techniques for analyzing particles and rigid bodies including trusses and simple machines with discrete and distributed loads. Prerequisite: Completion of PHYS 1110 or 1310 and Math 2205 or concurrent enrollment. (3 lect.)

**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 - Electrical Circuit Theory (3 credits)**

Electric Circuit Analysis introduces students 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 MATH 2205 and completion of or concurrent enrollment in PHYS 1310 or ES 2110. (2 lect., 1 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 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.)

## **FDSC - Food Science**

### **FDSC 1410 - Food and Our Well Being (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 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 1200 - 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. (3 lect.) **HUM**

### **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 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 course adopts a life-cycle approach to financial planning and is designed for students with diverse educational backgrounds. The emphasis is on practical application and decision-making involving personal budgeting, savings, credit scores, consumer credit cards and loans, insurance, financing major purchases, income tax, healthcare costs, 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 - Personal Finance: Risk Credit Mgmt (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-1505, CNTK-1510, and CNTK-1520. (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 1100 - Introduction to Geographic Info 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.)

**GEOG 2100 - Advanced Geographic Information Systems (4 credits)**

This course provides an 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: GEOG 1100. (3 lect., 3 lab)

**GEOG 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 GEOG 1100 and GEOG 2150. (3 lect., 3 lab)

**GEOG 2120 - Geographic Information System Databases (3 credits)**

This course presents an 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 GEOG 1100, GEOG 2100 and GEOG 2150. (3 lect.)

### **GEOG 2125 - Geographic Info Syst 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 GEOG 1100, and GEOG 2150; and completion of GEOG 2120 or concurrent enrollment. (0.5 lect., 1 lab)

### **GEOG 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 GEOG 1100, GEOG 2100 and GEOG 2150; MATH 1000 or MATH 1400; and STAT 2050 or STAT 2070. (3 lect., 3 lab)

### **GEOG 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)

### **GEOG 2140 - Remote Sensing (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 GEOG 1100, GEOG 2100 and GEOG 2150. (3 lect., 3 lab)

### **GEOG 2150 - Geoinformation Science & Tech (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**

### **GEOG 2160 - Geographic Info Systems and Programming (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 GEOG 1100, GEOG 2100, GEOG 2150 and MATH 1400. (3 lect.)

**GEOG 2170 - Capstone Project in Geographic Info Syst (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 GEOG 1100, GEOG 2100, and GEOG 2150. (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**

## **G&R - Geography & Recreation**

### **G&R 1000 - World Regional Geography**

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.)

### **G&R 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**

### **G&R 1010 - Intro to Physical Geography**

This course provides a systematic study of natural aspects of geographic environment including weather and climate, soils, vegetation and land forms. (3 lect.)

### **G&R 1090 - Avalanche Lvl 1: Dsn Making Avlnch Terrain (1 credits)**

This course provides a complete introduction to the avalanche phenomenon, 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. Students will spend about 8 hours in the classroom and about 16 hours outdoors in the snow. This course is taught in partnership with the American Institute for Avalanche Research and Education (AIARE) and successful students will receive a certificate of completion for the AIARE Level - 1 Avalanche Training. (.5 lect., 1 lab)

### **G&R 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.)

### **G&R 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.)

**G&R 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, GR 2050, and on select NOLS semesters with HLED 2010 or 2015. This course may be repeated once in a different location. (1-5 lect.)

**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.)

**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.)

**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.)

### **G&R 2035 - River Rescue Certification (1 credits)**

The River Rescue Certification course focuses specifically on rivers and rescue from a professional or recreational boater's point of view. Short lectures will be followed with immediate hands-on application in the water. This course is appropriate for aspiring whitewater guides and serious recreational river boaters. The course takes place over 2-3 days with case study homework in the evenings and meets all permitting agencies' river/swiftwater rescue certification requirements for river guides and kayakers. (.5 lect., 1 lab)

### **G&R 2050 - Environmental Ethics & Management: (1 - 5 credits)**

This course is 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.)

### **G&R 2090 - Avalanche Lvl 2: Anlz Snwpk & Aval Haz. (2 credits)**

The Avalanche Level 2 course provides backcountry leaders 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. Students will spend a mix of their time in a classroom and outdoors in the snow. This course is taught in partnership with the American Institute for Avalanche Research and Education (AIARE) and successful students will receive a certificate of completion for the AIARE Level 2 Avalanche Training. Prerequisites: GR 1090, Avalanche Level 1: Decision Making in Avalanche Terrain. (1 lect., 2 lab.)

## **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 U.S. 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 AIST 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*

**HLED - Health Education****HLED 1221 - Standard First Aid & Safety (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 1245 - Basic Life Support Certification (0.5 credits)**

This course allows the student the opportunity to gain the skills necessary for Basic Life Support Certification by the American Heart Association. The course is designed in a blended format that requires the student to complete the AHA HeartCode® Basic Life Support web-based training prior to completing a hands-on skills practice and testing session with AHA BLS instructor. BLS certification is required for individuals who provide direct care for patients in all healthcare settings, as well as other professional roles having direct contact with the public, including daycare providers, school district employees, law enforcement, and emergency services personnel. Students who successfully complete the course will receive a two-year certification or recertification in the American Heart Association Basic Life Support. (0.5 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 1665 - Electrocardiography Techniques (1 credit)**

This course provides an overview of cardiac anatomy and physiology with an emphasis on normal and abnormal electrical conduction within the heart. Patient preparation and lead placement are performed using various diagnostic and monitoring devices. The focus of the course is on systematic analysis and interpretation of electrocardiograph recordings, and initiation of correct action in response to various cardiac dysrhythmias. The student wishing to apply for national certification must have a United States high school diploma or equivalent. (1 lect.)

### **HLTK 1685 - Expanded Patient Care (2 credits)**

This course expands upon skills performed in the nursing assistant role to prepare the student for a higher level of responsibility in patient care. Included are skills such as aseptic technique, sterilization procedures, enteral feeding, ostomy care, and simple dressing changes. The student will perform essential healthcare math, assist with respiratory procedures, and provide basic patient teaching. The student wishing to apply for national certification must have a United States high school diploma or equivalent. Prerequisite: Completion of or concurrent enrollment in NRST-1500. (2 lect., 2 lab)

### **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 1200 - Field Experience: 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 2110 - Field Experience: 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 1200 (1 seminar, 9 practicum)

**HMSV 2120 - Field Exp: 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 2110. (1 lect., 3 lab)

**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.)

**HRM - Hotel Restaurant Management****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, Health, & Safety in the Hi (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 & 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 & 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 1000 - Introduction to 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.)

**HSEC 1002 - Terrorism and Counter 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.)

**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 and Homeland Security (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.)

## 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 with Technology (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, desk-top publishing, database, spreadsheet, specialized course-specific software, Internet, multi-media, and distance education technology, students will become knowledgeable about computer assisted instruction. (3 lect.)

## LIBS - Library Science

### **LIBS 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**

## MATH - Mathematics

### **MATH 0900 - Pre-Algebra (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 - Foundation for College Mathematics (3 credits)**

This is an accelerated course that can include topics from Pre-Algebra through Intermediate Algebra depending on the needs of the student. The course contains a customized curriculum based on placement score diagnostics. Topics include but are not limited to whole numbers, fractions, decimals, ratio and proportion, percent, operations involving integers and rational numbers, solving and graphing linear equations and inequalities, radicals and rational exponents, and functions. It will prepare students to place into, and succeed in, a co-requisite or college-level math course. This course is not a prerequisite for any math class. Prerequisites: Placement into MATH 0900/0920/0930. S/U grading only (3-5 lect.)

### **MATH 0923B - Foundation for College Math B (3 credits)**

This is a continuation of MATH-0923 that can include topics from Pre-Algebra through Intermediate Algebra depending on the needs of the student. The course contains a customized curriculum based on placement score diagnostics. Topics include but are not limited to whole numbers, fractions, decimals, ratio and proportion, percent, operations involving integers and rational numbers, solving and graphing linear equations and inequalities, radicals and rational exponents, and functions. It will continue to prepare students to place into, and succeed in, a co-requisite or college-level math course. This course is not a prerequisite for any math class. Prerequisite: Completion of MATH-0923 without achieving the necessary ALEKS score. S/U Grading only. (3-5 lect.)

### **MATH 0923C - Foundation for College Math C (3 - 5 credits)**

This is a continuation of MATH-0923B that can include topics from Pre-Algebra through Intermediate Algebra depending on the needs of the student. The course contains a customized curriculum based on placement score diagnostics. Topics include but are not limited to whole numbers, fractions, decimals, ratio and proportion, percent, operations involving integers and rational numbers, solving and graphing linear equations and inequalities, radicals and rational exponents, and functions. It will continue to prepare students to place into, and succeed in, a co-requisite or college-level math course. This course is not a prerequisite for any math class. Prerequisite: Completion of MATH-0923B without achieving the necessary ALEKS score. S/U Grading only. (3-5 lect.)

**MATH 0923D - Foundation for College Math D (3 - 5 credits)**

This is a continuation of MATH-0923C that can include topics from Pre-Algebra through Intermediate Algebra depending on the needs of the student. The course contains a customized curriculum based on placement score diagnostics. Topics include but are not limited to whole numbers, fractions, decimals, ratio and proportion, percent, operations involving integers and rational numbers, solving and graphing linear equations and inequalities, radicals and rational exponents, and functions. It will continue to prepare students to place into, and succeed in, a co-requisite or college-level math course. This course is not a prerequisite for any math class. Prerequisite: Completion of MATH-0923C without achieving the necessary ALEKS score. S/U Grading only. (3-5 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 students 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 1100 - Mathematics for Elem Sch Teachers I (3 credits)**

This course is for prospective elementary school teachers. Its purpose is to prepare 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: Completion of MATH 0930 or test into MATH 1100 or higher and concurrent enrollment in EDEL 1410. (3 lect.) *MATH*

**MATH 1105 - Mathematics for Elem Sch Teachers II (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 patterns 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 credits)**

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: 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 emphasizes aspects of trigonometry important in the study of calculus. Topics include the trigonometric functions, numerical trigonometry, and trigonometric analysis. Interplay between trigonometric expressions and their graphs will be studied. Students are expected to use a graphing calculator in the course and on exams. This course is designed for students with little or no prior knowledge of trigonometry who plan to enroll in MATH 2200. Students receiving credit for MATH 1450 may not receive credit for this course. 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 one variable, and to develop problem solving and critical thinking skills. Prerequisite: Completion of MATH 2200. (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 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 sequence in calculus for students in accounting and business. Topics include review of functions, limits, continuity, the derivative with application, the integral with applications and progressions. 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 2355 - Mathematical Applications (for Business) (4 credits)**

This course will include business and economic applications of the mathematics, linear equations, programming, finance, probability, statistics, and use of spreadsheet software. Prerequisite: Completion of MATH 2200 or MATH 2350 or approval of instructor. (4 lect.)

**MATH 2800 - 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 - Introduction 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. (3 lect.) **HUM**

### **MDIA 2100 - Writing for New Media (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. 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.)

**MEDA - Medical Assistant****MEDA 1500 - Admin Role of the Medical Assistant (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 discussed, as well as professionalism in the workplace. simulated computer data entry for patient records, procedure and diagnostic coding, and electronic transmission of claims are integrated in learning activities. (3 lect.)

**MEDA 1510 - Phlebotomy and Lab Techniques (2 credits)**

This course introduces the student to the laboratory tests and procedures routinely performed in a medical facility or medical office setting. Content will include fundamental principles of medical lab practice, disposal of biohazard materials, specimen collection, diagnostic testing, safety, and quality control methods. (1 lect., 3 lab)

**MEDA 1520 - Clinical Role of the Medical Assistant I (3 credits)**

This course introduces the student to theoretical concepts and practical application associated with the clinical role of a medical assistant. Classroom and laboratory exercises provide the student with knowledge and skills necessary to assist healthcare providers with routine and emergent care of patients in ambulatory care. Components of a patient examination are covered. Topics also include specialty practices, confidentiality, scope of practice, standard precautions and infection control. Basic life support is taught during class time. (2 lect., 3 lab)



### **MEDA 1525 - Clinical Role of the Medical Assist II (2 credits)**

A continuation of MEDA 1520, this course provides the student with 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. Topics also include health screenings patient education, and health promotion. Student may have the opportunity to participate in a simulated disaster drill organized by the college. Prerequisite: Completion of MEDA 1520. (1 lect., 3 lab)

### **MEDA 1530 - Pharmacology for the Medical Assistant (3 credits)**

This course introduces the student to principles of pharmacology related to the role of the medical assistant. Emphasis is on correlation of drug therapy and pathologic conditions, patient education regarding medications, and researching drugs using drug reference. The uses, action, side effects, contraindications, and routes of administration of drugs most commonly administered in ambulatory care are included. legal considerations preparation and administration using proper technique is required. This pharmacology course does not meet requirements for the Nursing Program. Prerequisite: Completion of MEDA 1520. (2.5 lect., 1.5 lab)

### **MEDA 1540 - Medical Assistant Practicum (5 credits)**

This course provides the student with opportunities to apply theoretical knowledge, skills, and behaviors in the role of a medical assistant in ambulatory settings. The student is required to complete 160 hours in designated healthcare agencies. Weekly classroom activities are designed to assist the student in transitioning to the professional workplace. Preparation for the certification examination and assessment of job readiness are emphasized. A cleared criminal background check and drug screen are required prior to practicum experiences. Successful course completion is necessary for medical assistant certification eligibility. Prerequisite: Completion of MEDA-1520. (1 lect., 12 lab)

### **MEDA 2900 - Medical Assist Professional Development: (0.5 credits)**

This course is designed to provide the student with credentialing required by the Centers for Medicare and Medicaid Services Electronic Health Records Incentive Programs. Emphasis is placed on providing diverse topics relevant for Medical Assistants who use electronic health records. This course provides the ongoing education required for currently practicing Medical Assistants to be credentialed in meaningful use and other key topics of the job role. Students may repeat MEDA 2900 with different topics up to 3 credits toward a degree. Prerequisite: Instructor permission required. (0.5 lect.)

## **MGT - Management**

### **MGT 1040 - Bus Law I: Legal Environment of Business (3 credits)**

This is an introductory survey course providing a broad overview of business-related legal topics. Students are familiarized with the nature and sources of law, court systems, common law, statutory law, constitutional law, administrative law, consumer law, social responsibility and business ethics. Generally offered in fall only. (3 lect.)

### **MGT 1200 - Human Resource Management (3 credits)**

This course is designed to acquaint the prospective manager with issues related to organizing and staffing the work force. Specific attention will be given to legal issues, employment needs analysis, staffing, employee training, compensation, and union relations. Generally offered in Fall only. (3 lect.)

**MGT 1505 - Foundations of Leadership (2 credits)**

This course is an introduction to leadership studies. The course is designed to acquaint the student with leadership models and theories, and examine how they have changed (or not) over time. The student will examine leadership through the context of examining various leaders throughout history as well as contemporary leaders, and contrasting other styles to their own. (2 lect.)

**MGT 1510 - Personal Leadership (3 credits)**

This course explores in-depth the analysis and development of personal leadership frameworks. Throughout this course, the student will build a deep awareness of his or her own leadership style and behavior patterns. There is an emphasis on developing your personal leadership vision, goals and development plan. (3 lect.)

**MGT 1515 - Leading Others (3 credits)**

This course studies the character, methods and behaviors of effective leadership. The student will examine how to improve communication, navigate conflict and create empowered organizations. The student will practice building trust, giving and receiving constructive feedback, and effective delegation. The student will build an organizational vision and will create strategies to gain support from employees and team members. (3 lect.)

**MGT 1520 - Leadership Practicum (3 credits)**

This course provides the student with the opportunity to apply their leadership skills in a structured environment. The student may use their own workplace or establish a team or internship setting in which they will demonstrate and apply the foundations of effective leadership. The student will gain constructive feedback regarding their leadership, and gain insight in how they may continue to strengthen their effectiveness. Prerequisite: Completion of or concurrent enrollment in MGT-1505, MGT-1510, and MGT-1515. (1 lect., 2 lab)

**MGT 2000 - Introduction to Business (3 credits)**

This course is an introduction to the study of business administration from the standpoint of management operating in a contemporary economic, political and social environment. (3 lect.)

**MGT 2100 - Principles of Management (3 credits)**

This course is an introduction to the theory and practice of management. The basic management functions of planning, organizing, staffing, controlling, and leading will be emphasized. Human relations and communications will also be addressed. Students will be introduced to case problem analysis and develop teamwork skills. Generally offered in Fall only. (3 lect.)

**MGT 2110 - Business Ethics (3 credits)**

This course is designed to provide real world concepts and methods vital to both building a career as an organizational leader and as an ethical decision maker. The course requires the student to grapple with issues of vital importance to all businesses, including responsibilities to business and society, ethical issues, ethical leadership, organizational governance, responsible decision making, and managerial and strategic decision making. (3 lect.)

### **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 course will enhance a student's ability to solve problems and think critically about relationships with peers, co-workers, supervisors, and in one's personal life. The course will provide the student with human relations skills critical for successful leadership in a changing environment. A student earning credit in this course may not earn credit for CO/M 2130. (3 lect.) **ORAL**

## **MKT - Marketing**

### **MKT 1000 - Advertising & Sales Promotion (3 credits)**

This course provides students an opportunity to gain an understanding of advertising and other mass communications marketing practices: common business activities and terminology, perspectives applied when taking the optimal approach to decisions, plus descriptions and rationales of common practices (which are often far from optimal). The course places emphasis on developing students' abilities to express their analysis and recommendations in class discussion, student projects, and real-world testing and examination. (3 lect.)

### **MKT 1010 - Promotion I: (1 credits)**

This course is designed to acquaint the student with the significance and scope of marketing, primarily promotion and public relations, as it pertains to producing an event or promotion of a specific product line. The primary purpose of the course is to build the relationship among product, place, promotion, and price to stimulate a potential market to attend an event or purchase the product. (1 lect.)

### **MKT 1020 - Promotion II: (2 credits)**

This course is designed to acquaint the student with the significance and scope of business management as it applies marketing a specific event or promotion campaign. The primary purpose of the course is for the student to gain real life experience involved in producing an event or launching a campaign. From planning pre-promotional events, advertising, identifying sponsors supporting the event or campaign to actually producing the event or launching the campaign. The student will gain valuable insight into how business management and marketing applies to a business or a particular event industry. (2 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 Business: (1 - 6 credits)**

An independent study wherein students work on individualized learning projects related to their interest and occupational objectives in business. A student may earn up to three credits in any one semester, but may apply no more than six credits toward graduation. The specific topic will be named after the colon. Course may be repeated for a maximum of six credits applicable toward graduation. Prerequisite: Instructor's permission. (3 lect./credit)

**MKT 2050 - Social Media Marketing (3 credits)**

This course provides the student an opportunity to explore social media and the role it plays in communication and marketing to consumer. 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 investigate the evolution of social media marketing strategies and the ethical issues involved in their use, in addition to studying social consumers and their behaviors and e-Commerce in relation to social media marketing. (3 lect.) **SOC**

**MKT 2100 - Principles of Marketing (3 credits)**

This course is designed to provide the student with the nature, significance and scope of marketing. The primary purpose of the course will be to examine the relationship between product, place, promotion, and price in addition to examining marketing practices and problems. Generally offered in spring only. (3 lect.)

**MOLB - Microbiology****MOLB 2210 - General Microbiology (4 credits)**

This is a foundation course with emphasis on the structure, function, development, physiology, classification, identification, and economic importance 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 - Introduction 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 1015 - 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 1020 - Music Technology I (3 credits)**

This course will introduce the student to audio engineering techniques related to multitrack studio recording, audio reinforcement for theatre and broadcasting, and digital sound processing. A variety of projects will be completed by the student, including (but not limited to) simple two-track recording, setting up and running an audio reinforcement system, multitrack recording, synthesis programming for sound effects and audio processing. (2 lect., 2 lab)

### **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) **ARTS** 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.

**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) **ARTS** 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.

**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 reinforced 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 videotaping 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). **ARTS** 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.

**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.)

**NRST - Nursing****NRST 1500 - Nursing Assistant (4 credits)**

This course provides an introduction to the self- care potential of individuals, the position of the nursing assistant, basic nursing care procedures, communication, and self-responsibility. It is designed to help students achieve entry level nursing assistant knowledge and skills. Meets OBRA and Wyoming State Board of Nursing requirements. (3 lect., clinical 36 hours total) **(Wyoming Works Eligible)**

**NURS - Nursing****NURS 1100 - PNC 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 credits)**

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 health care provider responsibilities, inter-professional 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 - PNC of 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 inter-professional health care 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 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 medications. The nursing process provides the framework for the study of therapeutic administration of medications commonly used to treat various chronic health conditions. Health care provider responsibilities, inter-professional 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 licensed practical nurse with the tools necessary for successful advanced placement into the second year of the Associate Degree Nursing Program. The course is designed to familiarize the student with the nursing program, resources, and the LMS, while preparing the student to transition into the RN role. Competencies include intravenous therapies, medication administration, and proficiency in dosage calculations. Prerequisites: Completion of BIOL 1010, ENGL 1010, MATH 1400, PSYC 1000, ZOO 2015, and ZOO 2025; achieving the required score on the designated PN advanced placement assessment; and a minimum of two credits pharmacology taken within the past five years (pharmacology requirement may be waived dependent upon score achieved on advanced placement assessment). A current LPN license is required. (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 - PNC of 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 inter-professional health care 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. Health care provider responsibilities, inter-professional 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 - PNC 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; Completion of or concurrent enrollment in POLS 1000. (3 lect., 16 clinical hours per week)

**NURS 2410 - Pharmacology in Complex 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 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. Health care provider responsibilities, inter-professional 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.)

**ORTM-Outdoor-Rec-and-Tourism-Management****ORTM 1000 - Foundations of Recreation & 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, therapeutic recreation. In addition, this course will cover how US public lands are managed for a variety of recreation activities. (2 lect., 2 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.)

## **PEAC - PE: Activity**

### **PEAC 1XXX (PEAC 1000 – PEAC 1540– PE: Activity (1 credit)**

This physical activities course is for men and women. A maximum of five physical education activity credits plus the one required is allowable toward AA or AS degree. This course may not be offered each semester. (2 lab) (Max 6)

**PEAC 1009 - PE: Recreational Games**

**PEAC 1011 - PE: Aquatic Conditioning**

**PEAC 1012 - PE: Beginning Swimming**

**PEAC 1022 - PE: Tumbling and Stunts**

**PEAC 1023 - PE: Day Hiking**

**PEAC 1031 - PE: Western & Social Dance**

**PEAC 1037 - PE: Fitness Walking**

**PEAC 1041 - PE: Self-Defense/Martial Arts**

**PEAC 1050 - PE: Tennis**

**PEAC 1248 - PE: Beginning Soccer**

**PEAC 1251 - PE: Archery**

**PEAC 1252 - PE: Badminton**

**PEAC 1253 - PE: Bowling/PE: Bowling**

**PEAC 1255 - PE: Golf**

**PEAC 1257 - PE: Racquetball**

### **PEAC 1258 - Skiing & Snowboarding (1 credits)**

This is a beginning level course for students interested in lift-served downhill skiing or snowboarding. Students 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)

### **PEAC 1259 - PE: Cross Country Skiing (1 credits)**

This course will provide the opportunity to learn and experience cross country (Nordic) skiing and will present an overview of equipment, proper clothing, ski care and waxing, and safe skiing techniques. Both classic and skate skiing technique on a groomed track will be presented. (2 lab)

**PEAC 1260 - PE: Volleyball**  
**PEAC 1263 - PE: Basketball**  
**PEAC 1264 - PE: Softball**  
**PEAC 1271 - PE: Weight Loss Conditioning**  
**PEAC 1272 - PE: Aerobics**  
**PEAC 1273 - PE: Heavy Resistance**  
**PEAC 1275 - PE: Circuit Training/Exercise**

**PEAC 1287 - Introduction to Outdoor Rock Climbing (1 credits)**

This course exposes students to the foundations of rock climbing outdoors. Students 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 top rope anchor construction. (1 lab)

**PEAC 1292 - PE: Strength & Flexibility**  
**PEAC 1293 - PE: Adv Strength & Flexibility**  
**PEAC 1294 - PE: Introductory Yoga I**  
**PEAC 1295 - PE: Individual Exercise Programs**

**PEAC 1297 - PE: Whitewater Rafting/Rescue (1 credits)**

This course provides an introduction to river running/rafting and swift water rescue training and is geared to the beginner/intermediate boater. This course will provide the opportunity to learn and experience rafting on rivers, possibly up to Class III, and will present an overview of equipment, proper clothing, and safe river techniques for this activity. Various boating techniques for oar-rigs, paddle teams and single cat-a-rafts will be covered.

**PEAC 1380 - Outdoor Multi-Sport (1 - 3 credits)**

This aerobically intensive outdoor activity course introduces students to a variety of non-motorized travel skills in outdoor settings such as wilderness trails, lakes, and reservoirs. Students learn fundamentals of trail-running, mountain-biking, flatwater canoeing and paddle boarding, snowshoeing, and cross country skiing. Students will also learn to manage risks associated with each sport, including how to select and properly maintain equipment. Each student should expect ongoing verbal coaching and feedback throughout the course as well as written performance evaluations. (2 lab, 4 lab, 6 lab)

**PEAC 1387 - Indoor Rock Climbing (1 credits)**

This course explores the fundamentals of indoor rock climbing. Students will build fundamental skills in practices of: bouldering, face climbing, movement techniques, strength training, basic equipment, knots, risk management, belaying, top roping, and basic commands. This class will be taught on the CWC climbing wall. (2 lab)

**\*PEAC 1401 - PE: Dance and Movement**  
**\*PEAC 1410 - PE: Ballet I/I**  
**\*PEAC 1420 - PE: Ballet I/II**  
**\*PEAC 1431 - PE: Modern Dance I**  
**\*PEAC 1441 - PE: Modern Dance II**  
**\*PEAC 1450 - PE: Beginning Tap Dance**

\* The 6 courses above may be taken as PEAC 1401, 1410, 1420, 1430, 1431, 1440 and 1441 or THEA 1430, and 1450 but a maximum of one credit will be allowed for graduation. (2 lab)

### **PEAC 1540 - Mountain Biking (1 credits)**

This off-road bicycle-riding course will cover basic riding technique, maintenance, risk management, and clothing and equipment selection. It is recommended that students have some experience riding off-road terrain ranging from two-track jeep roads to technical single-track and the physical ability to ride distances of 10-20 miles on trail. The course will include a weekend, mountain-bike trip. (2 Lab)

### **PEAC 2XXX (PEAC 2011 – PEAC 2094– PE: Activity (1 credit)**

This physical activities course is offered to provide instruction in development of intermediate/advanced skill. A maximum of five physical education activity credits plus the one required is allowable toward an AA or AS degree. This course may not be offered each semester. Prerequisites: applicable beginning level PEAC course or instructor's permission. (2 lab)

### **PEAC 2011 - PE: Intermediate Swimming (1 credits)**

### **PEAC 2018 - PE: Water Safety/Lifeguard Training (1 credits)**

### **PEAC 2025 - Wilderness Navigation (1 credits)**

This field-based course introduces basic techniques of land-based wilderness navigation. Students will use topographic maps, compasses and handheld GPS units for backcountry travel. Topics will include: map reading, route-finding, triangulation, minimum impact travel, trip planning, documentation, and fitness considerations for backcountry travel. (2 lab)

### **PEAC 2058 - Backcountry Skiing & Snowboarding (1 credits)**

This is an intermediate level course for students with previous experience in downhill skiing or snowboarding. Students will practice back-county snow travel using their choice of alpine touring skis, telemark skis, or a split snowboard. Students will learn to use climbing skins, route-find, and assess avalanche hazards in mountainous terrain. The course will also present an overview of equipment, proper clothing, waxing and risk management techniques for winter backcountry travel in the mountains. All clothing and ski or snowboard equipment must meet instructor approval and must be provided by the student. (2 lab)

### **PEAC 2088 - Alpine Climbing and Rescue (1 credits)**

This course will allow for a natural progression from the Introduction to Outdoor Rock-climbing course. It provides further skill development in climbing and rescue techniques, traditional gear placement, and risk management. Prerequisite: Completion of PEAC 1287 or instructor permission.

### **PEAC 2094 - PE: Introductory Yoga II (1 credits)**

The course Introductory Yoga II is designed to deepen the alignment principles taught in Introductory Yoga I. 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 - PE: 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 (CRM) rodeos. Prerequisite: Instructor permission. (1 credit, 4 max)

### **PEAT 2026 - PE: 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)

### **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.

## 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 & 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)



## **PFDV - Professional Development**

### **PFDV 1500 - Managing Career Development (3 credits)**

Learning to conduct a career search and to identify career pathways has become an important part of every student's education. When students begin this exploration, they gain a developmental understanding of their own strengths and weaknesses, the ever-evolving requirements of the workplace, and the relationship of lifelong learning to career success. This course focuses on career planning, job search techniques, and career management. It will include topics of self-assessment, personal development, the work environment, career path alternatives, sources of job information, the process of job application from writing resumes and letters to creating portfolios and interviewing, 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.)

### **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.)

### **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 MATH 0700 or test into 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 course in a two-semester 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 Newtonian mechanics, thermodynamics and wave phenomena. Prerequisites: Completion of MATH 2200 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 & 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**

### **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.)

### **POLS 1016 - Introduction 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 - World 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 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.)

**POLS 2310 - International Relations & World Politics (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.)

## PRSP - Parts Specialist

### **PRSP 1500 - Basic Automotive Terms and Concepts (3 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. Students will learn to apply correct technical terminology for the components vs. vernacular terminology. Students 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. (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 1015 - Psychology of Sexuality (1 credits)**

This course will answer some of the universal questions we have about sex, particularly gender expectations during courting and mating, the physiological responses that happen during sex, how physical and psychological aspects interfere with sex, and historical research about sex. (1 lect.)

### **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 1070 - Day in the Life of Your Brain (1 credits)**

Day in the Life of Your Brain is an entry level neurobiological course designed for students who want a rudimentary understanding of brain functions as applied to everyday life. This "brain appreciation" course overlaps and goes beyond the neurology topics covered in PSYC 1000. No previous psychology background is necessary, although PSYC 1000 will be helpful. Course delivery methods will include hands on experiments to illustrate brain functions, film clips, interactive computer exercises, and projects. (1 lect.)

### **PSYC 1080 - Your Brain on Music (1 credits)**

The course is designed to be a brief encounter with the physiological and psychological impacts of music and an analysis of the basic components of music in psychological terms. It helps to answer the following questions: Why music is so emotionally compelling? Why is rhythm physically arousing? What has been the evolutionary role of music in the social development of humans? How does a culture determine what you hear? (1 lect.)

**PSYC 1090 - Domestic Animal Psychology (1 credits)**

This course examines the many facets of the behaviors and resulting emotional bonds that are created when we develop relationships with the animals that live and work with us. It explores the psychology of both human and animal in this interaction. (1 lect.)

**PSYC 1205 - The Psychology of Morality (1 credits)**

Psychology of Morality is an entry-level course for exploring the neurological and developmental processes of moral development through the life span. The challenges of each age group are discussed with accompanying activities: toddlers and violence; youth and intentional/accidental distinctions; teenagers and identification of moral consequences; adults and "the defining moment," forgiveness, and the lure of power. (1 lect.)

**PSYC 1210 - Consciousness and Altered States (1 credits)**

This course explores various states of consciousness, including hypnotism, meditation and altered states, chemically induced altered states, the paranormal and out-of-body experiences, and ESP. The brain-mind controversies and neurological basis for these states are the foundation for these discussions and activities. (1 lect.)

**PSYC 1250 - Human Potential Seminar (1 credits)**

This is a personal group-based workshop designed to help students become aware of their individual potential. The activities of the course are structured to help students 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. Students will study various research strategies from naturalistic observation to experiments. This course is writing intensive and requires 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 2110 - Cross Cultural Psychology (3 credits)**

This course explores the basic tenets of psychology-- sensation and perception, intelligence, human development, emotion, motivation, social perception and interaction, and mental disorder---from a cross-cultural perspective. Experiential exercises, videos, lectures, small group discussions, and interactive software are utilized. (3 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 - Developmental Psychology (3 credits)**

The development and behavior of children from conception to adolescence, with emphasis on the major roles played by maturation and learning. Prerequisite: Completion of 4 credit hours of psychology or permission of instructor. (3 lect.)

**PSYC 2325 - Marriage & Family (3 credits)**

Socio-psychological factors during infancy, childhood, and adolescence which are important to marriage adjustment. Discussion of dating, courtship, engagement, honeymoon, marriage, marital adjustment and family. Special consideration is given to changes in family structure and function, past to present. Prerequisite: Completion of PSYC 1000 and SOC 1000 or permission of the instructor. (3 lect.)

**PSYC 2340 - Intro to Abnormal Psychology (3 credits)**

This course is a study of the major types of abnormal behavior, including anxiety disorders, psychophysiological disorders, personality disorders, affective disorders, schizophrenic disorders, brain disorders, substance disorders, and the disorders of childhood origin. Divergent theoretical perspectives are utilized in examining the assessment, treatment, and prevention of maladaptive behavior. Prerequisite: Completion of PSYC 1000 or instructor's permission. (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 2370 - Consciousness (3 credits)**

This course will provide students with the opportunity to explore aspects of human awareness on an in-depth level, emphasizing areas of contemporary research often omitted from general psychology courses. Prerequisite: Completion of PSYC 1000 is recommended but not required. (3 lect.)

**PSYC 2380 - Social Psychology II/I (3 credits)**

The psychology of human interaction-socialization, attitudes, group processes, communications, and social influences are covered. Prerequisite: Completion of four credit hours in Psychology or instructor's permission. (3 lect.)

## PWRS - Power Sports

### **PWRS 1500 - Power Sports Maintenance & 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)

### **PWRS 1510 - 2-CYCLE Fundamentals (3 credits)**

This is a basic course in the theory of engine operation, diagnosis of problems, minor repairs, and overhaul procedures relating to 2-cycle power sports engines. The focus of the course is the application of hand-on skills relating to diagnosis and repair of single and multi-cylinder 2-cycle engines, crankshaft repair on single cylinder engines, and top/bottom end repair procedures on single and multi-cylinder engines. (1 lect., 4 lab)

### **PWRS 1520 - 4-CYCLE Engine Fundamentals (3 credits)**

This is a basic course in the theory of engine operations, diagnosis of problems, minor repairs, and overhaul procedures relating to 4-cycle power sports engines. The focus of this course is the application of hands-on skills relating to diagnosis and repair of single and multi-cylinder 4-cycle engines, crankshaft repair on single cylinder engines, and top end repair procedures on single and multi-cylinder engines. (1 lect., 4 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 Management**

### **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 Range 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)

## **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, Prerequisite: 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 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.)

## **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. (1 lect, 2 lab)

### **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 - Introduction 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.)

## **SPPA - Lang Pathology & Audiology**

### **SPPA 2110 - Beginning Sign Language (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.)

### **SPPA 2120 - Intermediate Sign Language (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: SPPA 2110. (4 lect.)

## STAT - Statistics

### **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. Students 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/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 - Introduction to the 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. Students are given a foundation in the Stanislavski system of acting with an emphasis on the inner processes of the actor. Students 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)

**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: THEA 1100 or permission of the instructor. (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-dimensional, 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 from a play, with emphases on safety and acting the fight. (2 lect.)

## **TTD - Truck Trailer Driving**

**TTD 1500 - CDL Heavy Truck/Tractor/Trailer Driving (5 credits)**

The course is designed for students with minimum or no previous driving experience in heavy truck or tractor/trailer combinations. Students will receive 100 hours of lecture and classroom exercises in basic truck driving knowledge and skills, Department of Transportation (DOT) Rules and Regulations, maintaining a logbook, trip planning, CDL test preparation, etc. In addition, students will receive 20 hours of individualized behind the wheel heavy truck tractor/trailer driving instruction. Students considering enrolling in this course must have a commercial driving permit, must pass drug-screening tests, and must possess the physical abilities necessary for the truck driving industry. Before enrolling in this course, students must be approved by the CWC Department of Workforce and Community Education. Completion standards are determined by the Wyoming Contractors Association and students must pass the CDL-A test in order to earn a completion certificate. Training requirements are set forth in the Federal Motor Carrier Safety Regulation for entry-level driver training in accordance with 49 CFR 380 503. (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 students learn and improve skills and strategies that are essential to academic success. This course will enable students to understand their learning styles, personal goals and 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 students in their other courses. (1 lect.) *UNST*

## WELD - Welding

### **WELD 1500 - Welding Fundamentals (2 credits)**

This is an introductory course wherein various careers in welding and major welding processes are explored. This course includes the exploration of various welding careers, characteristics of the successful welder, safety, and the history of welding. The various welding processes used in industry today, steel making, metallurgy, and how heat affects metal during the welding process are examined and demonstrated. (2 lect.)

### **WELD 1610 - Basic GMAW (MIG) (2 credits)**

This course will introduce the student to the theory and operation of the GMAW welding process. Welds will consist of solid wire containing 25% carbon dioxide/75% argon shielding gas. This course will introduce basic welding 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 automotive, art, or WELD 2610 Ornamental Iron Works. (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 1700 - General Welding (4 credits)**

This course is an introduction to oxyacetylene brazing (OFZB), welding (OFW), cutting (OFC), and Shielded Metal Arc Welding (SMAW). Students will learn and practice basic arc welding and oxy-fuel cutting techniques including electrode selection and proper usage. All welding, manual oxy-fuel cutting, and plasma cutting will be done on metal 1/8" sheet metal up to 1" plate. An introduction to the power source and the concepts involved for polarity settings is also discussed. Air Carbon Arc gouging and cutting will be introduced for maintenance purposes. (2 lect., 4 lab)

**WELD 1760 - Advanced Shielded Metal Arc Welding SMAW (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-Grooves in all positions. (2 lect., 4 lab)

**WELD 1770 - Gas Metal - Flux Core Arc Welding (4 credits)**

The student will be introduced to the basics of Gas Metal Arc Welding (GMAW), which includes metal transfer modes, electrode identification, and a detailed introduction to the power source, repairs, techniques, and set-up. The course projects will enable the student to advance in their skills in GMAW leading up to the process of Flux Core Arc Welding (FCAW) using dual shield with the final being based on the AWS D1.1 Structural Steel Code. (2 lect., 4 lab)

**WELD 1780 - Gas Tungsten Arc Welding on Plate (3 credits)**

The student will be introduced to the theory of GTAW, machine set-up, and shielding gases used with various applications on mild steel, aluminum, and stainless steel plate in flat, horizontal, vertical-up, and overhead positions. (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 programed cuts on carbon steel plate. Topics include: Safety and Health in the Fabrication Shop, Computer Aided Design (CAD), Computer Aided Manufacturing (CAM). The student will have the opportunity to program and cut out parts for the manufacturing sector as well as spending time making custom signs and art work (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)

**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, use of mathematical equations to layout branch patters for pipe. (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 - GTAW Pipe (4 credits)**

This course will introduce the student to Gas Tungsten Arc Welding (GTAW) on pipe. Student will weld on 6-inch, schedule 40 pipe in the 1G, 5G, and 6G positions. The student will weld the pipe coupons with ER 70S-2 welding rod. Students will also weld coupons with ER 70S-6, and E 7018 in the SMAW process. All welded coupons turned in for a grade will be destructive tested to The American Welding Society pipe standards, using the bending machine the welding lab. (2 lect., 4 lab)

### **WELD 2655 - Gas Metal Arc Flux Core Arc Welding Pipe (4 credits)**

This course provides training using the Gas Metal Arc, Flux Core Arc Welding (GMAW, FCAW) process to develop the skills necessary to produce high quality welds on carbon steel pipe. Topics include: Safety and Health of the Welder in the Pipe Industry, Review of Oxyacetylene Torch Cutting, Proper set up and use of Pipe Beveling Equipment, the use of Inert Gases for a shielding gas, Tip selection for .035 and .045 Welding Electrodes, Proper set up and operation of a Gas Metal Arc, Flux Core Arc power source and wire feeder. (2 lect., 4 lab)

### **WELD 2670 - Welding Inspection Technology (3 credits)**

This course is an introduction to the field of "Welding Inspection." The course is designed to meet the welding standards requirements established by the American Welding Society for a person to become a Certified Welding Inspector. The importance of weld quality in the industry is stressed throughout the course. Topics will include weld inspections, procedures, welding codes and standards, and weld qualifications. (3 lect.)

### **WELD 2680 - Welding Metallurgy (3 credits)**

This course introduces the effects of welding and heat treatment on commercial metals. Students will experiment with simple methods of identification and will evaluate metal samples to understand the effects on the grain structures and behavior of these metals under various applications. The students are introduced to the process of steel, stainless steel, and cast iron production. The chemistry composition of other various types of special metals, the definition of alloys, and ferrous and nonferrous metals will also be discussed. (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 contraction, 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 dissections 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 2018/Spring 2019 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	Eng Comp I - International Student	3

#### Writing Level II: WR2

BADM 1020	Business Communications	3
CO/M 2100	Reporting and Newswriting	3
CRMJ 2685	Research in Criminal Justice	3
ENGL 1020	English Composition II	3
ENGL 1220	Eng Comp II - International Student	3
ENGL 2005	Technical Writing	3
MDIA 2100	Writing for New Media	3

#### American and Wyoming Government: POLS

POLS 1000	American & Wyoming Government	3
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#### 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- Introduction to Fiction	3
FILM 1100	Film Production I	4
MDIA 2200	Electronic Media Production	3
MUSC 1015	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 1490	Piano Ensemble	1

THEA 1000	Introduction to the Theatre	3
THEA 1100	Acting I	3
THEA 2005	Creative Dramatics	3
<b>Humanities: HUM</b>		
AIST 2340	American Indian Literature	3
ANTH 2022	Petroglyphs & Primitive Art	3
ART 2010	Art History I	3
CO/M 1480	Media Arts:	3
CO/M 2135	Gender and Communication	3
ENGL 2140	World Literature	3
ENGL 2186	Mythology and Folklore	3
ENGL 2210	English Literature I	3
ENGL 2230	Introduction to Shakespeare	3
ENGL 2286	Legends and Lore	3
ENGL 2310	American Literature I	3
ENGL 2340	American Indian Literature	3
FILM 1000	Introduction to Film	3
FILM 1200	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
LIBS 2280	Literature for Children	3
MDIA 1000	Introduction to Mass Media	3
MUSC 1000	Introduction 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
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
<b>Lab Science: LSCI</b>		
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	Introduction to Chemistry	4
CHEM 1020	General Chemistry I	4
CHEM 1090	Fundamentals of the Physical Universe	4
GEOG 2150	Geoinformation Science & Tech	4
GEOL 1070	The Earth: Its Physical Environment	4
GEOL 1100	Physical Geology	4
GEOL 1200	Historical Geology	4
GEOL 1470	Environmental Geology	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
<b>Mathematics: MATH</b>		
MATH 1000	Problem Solving	3
MATH 1100	Mathematics for Elem Sch Teachers I	3
MATH 1400	College Algebra	4
MATH 1450	Algebra and Trigonometry	5
MATH 2200	Calculus I	5
<b>Oral: ORAL</b>		
CO/M 1010	Public Speaking	3
CO/M 1030	Interpersonal Communication	3
CO/M 2130	Human Relations	3
MGT 2130	Human Relations	3
<b>Social and Behavioral Science: SOC</b>		
AIST 1350	American Indians in Contemporary Society	3
ANTH 1100	Introduction to Physical 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
G&R 1020	Intro to Human Geography	3
POLS 1200	World Political Cultures	3
POLS 2310	International Relations & World Politics	3
PSYC 1000	General Psychology	4
SOC 1000	Sociological Principles	3
SOC 1100	Social Problems	3
<b>University Studies: UNST</b>		
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 1065	Computerized Accounting:	2
CMA 1680	Microcomputer Applications:	3

# CWC People

## Board of Trustees

**Mr. Ernie Over**                      **Dubois-Crowheart**  
Sub-District #1 Term expires in 2020

**Ms. Shana Tarter**                      **Lander-Jeffrey City**  
Sub-District #4 Term expires in 2020

**Ms Paula Hunker**                      **Lander-Jeffrey City**  
Sub-District #4 Term expires in 2022

**Mr. Craig Tolman**                      **Riverton-Shoshoni**  
Sub-District #2 Term expires in 2022

**Mr. Steven R. Peck**                      **Riverton-Shoshoni**  
Sub-District #2 Term expires in 2022

**Ms. Nicole Schoening**                      **Riverton-Shoshoni**  
Sub-District #2 Term expires in 2020

**Mr. Carlton Underwood**                      **Reservation**  
Sub-District #3 Term expires in 2020

### **Officers**

Chair of the Board: Nicole Schoening

Vice Chair: Carlton Underwood

Secretary: Steven Peck

Treasurer: Craig Tolman



## 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.

Beth Monteiro, Executive Director

Paul Guschewsky, President

Jacquie Hediger, Vice President

Curt Galitz, Secretary

Sarah Sweeney, Treasurer

Scott Estep

Tammy Linton

Tara Carr

Paula Hunker

Rob Olson

John Martin

Carlton Underwood

Dr. Brad Tyndall

## 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.

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## Index

2019 Fall Semester Calendar .....	4	Automotive Technology Power Sports Option	
2019-2020 Catalog .....	2	Certificate I .....	133
2020 Spring Semester Calendar .....	4	Automotive Technology Power Sports Option, AAS ..	130
About CWC .....	5	AVTN - Aviation .....	220
Academic Amnesty .....	15	BADM - Business Admin. ....	220
Academic Dishonesty .....	16	Behavioral and Social Sciences .....	119
Academic Program Declaration .....	13	BIOL - Biology .....	221
Academic Regulations .....	22	Biological Science .....	189
Academic Standing .....	30	Board of Trustees .....	333
Accounting, AS .....	106	BOTK - Business Office Tech .....	223
Accounting-Bookkeeping Certificate I .....	108	Broadcasting .....	157
Accounting-Career, AAS .....	109	Business Administration, AS .....	111
Accreditation .....	6	Business and Entrepreneurship .....	106
ACCT - Accounting .....	204	Business Management, AAS .....	112
Adding a Course .....	13	BUSN - Business .....	223
Additional Sources of Financial Assistance .....	44	Calendar .....	4
Administration .....	334	Campus Computer Use .....	21
Administrative Assistant, AAS .....	110	Career and Technical .....	129
Administrative Withdrawal .....	25	Career Information .....	47
Admissions Office .....	48	Career/Technical Programs .....	70
AECL - Agroecology .....	205	Catalog Governing Graduation .....	60
After-School and Youth Development Certificate II ..	153	Central Wyoming College Course Withdrawal Policies	
AFVT - Alt Fuel Vehicle Tech .....	205	.....	25
AGEC - Ag Economics .....	205	Central Wyoming College Goals .....	5
Agri-Business, AS .....	89	Central Wyoming College Mission .....	5
Agriculture and Equine .....	89	Central Wyoming College Vision .....	5
Agriculture/Range Management .....	91	Central Wyoming Community College Foundation, Inc.	
Agriculture-Animal Science Option, AS .....	91	.....	334
Agriculture-Meat Science and Food Technology Option,		Certificate I .....	59
AS .....	92	Certificate II .....	59
Agriculture-Range Management Option, AS .....	93	Certifications and Licenses .....	17
AIST - American Indian Studies .....	206	CHEM - Chemistry .....	223
Alternate Grade Options .....	29	Chemistry .....	189
American Indian Studies, AA .....	119	CMAP - Computer Applications .....	225
ANSC - Animal Science .....	207	CNSL - Counseling .....	226
ANTH - Anthropology .....	209	CNTK - Construction Trade Tech .....	227
Anthropology, AA .....	120	CO/M - Communications Media .....	230
Application for Graduation .....	59	COCR - Co-Curricular .....	230
ARAP - Arapaho .....	211	College and Career Readiness Program .....	54
ART - Art .....	211	Combining Two Different Programs of Study .....	71
Art Certificate II's .....	155	Communication, AA .....	158
Art, AA .....	153	Communication, AAS .....	159
Artist Certificate II .....	156	Computer Science, AS .....	189
Assessment .....	11	Computer Technology Certificate I .....	192
Associate Degrees .....	58	Computer Technology Certificate II .....	193
ASTR - Astronomy .....	217	Computer Technology, AAS .....	191
ATSC - Atmospheric Science .....	217	Cooperative Education Program .....	200
AUTO - Automotive Technology .....	218	COSC - Computer Science .....	233
Auto Technology Certificate II .....	134	Cosmetology Certificates .....	136
Automotive Technology General Option Certificate I	132	Cosmetology Instructor Certificate II .....	137
Automotive Technology General Option, AAS .....	129	Cosmetology, AAS .....	135

Course Descriptions .....	202	Environmental Geospatial Information Science	
Course Numbering System .....	202	Technician Certificate I.....	175
Course Offering Cycles .....	69, 203	Environmental Geospatial Information Science	
CPED - Co-op Education .....	234	Technician, AAS .....	174
Credit for Prior Learning .....	16	EQST - Equine Studies .....	261
Criminal Justice, AA .....	121	Equine Management	
Criminal Justice, AAS .....	123	Entrepreneur Option Certificate I.....	99
CRMJ - Criminal Justice .....	235	Entrepreneur Option, AAS .....	95
CSEC - Computer Security .....	238	Teaching Riding Option Certificate I .....	100
CSMO - Cosmetology .....	238	Teaching Riding Option, AAS .....	97
CULA - Culinary Arts .....	242	Training Option Certificate I .....	100
Culinary Arts Certificate I .....	140	Training Option, AAS .....	98
Culinary Arts, AAS .....	138	Equine Science, AS .....	101
CUST - Customer Service .....	243	Equine Studies .....	95
CWC People .....	333	Equine Training Certificate II .....	102
CWC Professional Affiliations .....	17	ES - Engineering .....	264
Definitions .....	6	ESL - English Second Language .....	265
Degree Requirements .....	66	Esthetician Certificate I .....	136
Degrees & Certificates .....	55	Estimated Cost of Attendance .....	34
Dental Assistant Certificate I .....	147	Expedition Science, AS .....	177
Dental Assistant Certificate II .....	148	Faculty .....	335
Direct Exam .....	18	Faculty-Initiated Student Withdrawal .....	25
Directed Study .....	202	Farm and Ranch Management Certificate II .....	106
Disability Assistance .....	48	Farm and Ranch Resource Management Certificate I .....	105
Discovering Your Program of Study through Meta		Farm and Ranch Resource Management, AAS .....	103
Majors .....	79	Farrier Science Certificate II .....	103
DNTA - Dental Assistant .....	244	FCSC - Family & Consumer Scienc .....	266
Early Childhood .....	161	FDSC - Food Science .....	266
Early Childhood Education, AA .....	161	Fees .....	33
Early Childhood, AAS .....	162	FILM - Film .....	267
ECON - Economics .....	244	Film, AA .....	167
EDEC - Early Childhood .....	245	FIN - Finance .....	268
EDEL - Education Elementary .....	247	Financial Aid .....	36
EDEX - Education-Exceptnl Child .....	248	Financial Aid Standards of Progress .....	40
EDFD - Education-Foundations .....	248	Fines and Outstanding Debts .....	35
EDUC - Education .....	249	FMT - Facilities Maintenance .....	269
Education .....	163	Food Service .....	50
EHS - ENR Environmntl Health&Safety .....	251	FREN - French .....	270
EHS Expedition Science Certificate II .....	176	G&R - Geography & Recreation .....	274
ELEC - Electrical .....	251	General Education Definitions .....	61
Electrical Apprenticeship Certificate II .....	141	General Education Designation Legend: .....	203
Elementary Education, AA .....	163	General Education Designators .....	60
EMT - Emergency Medical Technician .....	254	General Education Requirements .....	60, 329
Engineering, AS .....	193	GEOG - Geography .....	271
ENGL - English .....	254	GEOL - Geology .....	273
English, AA .....	166	Geology .....	178
ENR - Environment&NatrI Resourc .....	258	Geospatial Information Science and Technology	
Enrolling at CWC .....	9	Certificate I .....	181
ENTK - Engineering Technology .....	259	Geospatial Information Science and Technology	
ENTR - Entrepreneurship .....	260	Certificate II .....	182
Entrepreneurship Certificate I .....	115	Geospatial Information Science and Technology, AAS	
Entrepreneurship Certificate II .....	116	.....	179
Entrepreneurship, AAS .....	114	Getting Started .....	5
		Grade Appeals .....	29

Grading System .....	27	Mission, Vision, Goals.....	5
Graduate Assessment.....	59	MKT - Marketing .....	296
Graduation Honors.....	29	MOLB - Microbiology .....	297
Guarantee of Transfer Credit to Other Institutions .....	20	Money Matters .....	32
Hair Technician Certificate I.....	136	Multiple Degrees .....	58
Health Sciences .....	147	MUSC - Music .....	297
HIST - History .....	276	Music, AA .....	168
HLED - Health Education .....	279	Nail Technician Certificate II .....	138
HLTK - Health Technology .....	281	New Media, AAS .....	170
HMDV - Human Development .....	282	Non-Discrimination Statement.....	13
HMSV - Human Services.....	282	NRST - Nursing .....	303
Honor Roll .....	29	NURS - Nursing .....	303
Hotel and Restaurant Certificate II.....	144	Nursing, ADN .....	151
Hotel and Restaurant Management Certificate I .....	143	Office Specialist Certificate II.....	117
Hotel and Restaurant Management, AAS.....	141	Office Support Certificate I .....	118
Housing.....	50	Open Admission .....	9
HRM - Hotel Restaurant Mgmt .....	283	ORTM-Outdoor-Rec-and-Tourism-Management .....	305
HSEC - Homeland Security .....	285	Other Designators .....	203
Human Services .....	124	Other Provisions .....	27
Human Services Addiction Option, AAS.....	125	Outdoor and Environmental Science.....	174
Human Services General Option, AAS.....	124	Outdoor Education and Leadership, AA .....	183
HUMN - Humanities .....	286	Outdoor Recreation, AS.....	186
IMGT - Information Management .....	287	Patient Care Technician Certificate II .....	150
INST - International Studies .....	287	PDEV - Personal Development.....	306
Interdisciplinary Studies .....	71	PEAC - PE	
Theatre/Film, AA .....	77	Activity.....	306
Interdisciplinary Studies Program, AA.....	76	PEAT - PE	
International Students .....	10	Varsity Activity.....	309
Interpretation of the Policy .....	27	PEPR - P.E. Professional.....	309
ITEC - Informational Technology .....	287	Personal Counseling .....	47
Leadership Studies Certificate II .....	117	PFDV - Professional Development.....	310
Library .....	52	PHIL - Philosophy .....	310
LIBS - Library Science .....	287	Photography, AAS.....	171
Locale.....	5	PHTO - Photography .....	311
Management Information Systems .....	194	PHYS - Physics.....	311
MATH - Mathematics .....	288	Physical Science.....	196
Mathematics, AS.....	195	Policies for Students.....	13
MDIA - New Media .....	291	Policy .....	26
MEDA - Medical Assistant.....	293	POLS - Political Science .....	312
Media, Arts and Humanities .....	153	Portfolio Assessment .....	17
Medical Assistant Certificate I .....	149	Power Sports Certificate II .....	134
Medical Office Support Certificate II.....	150	Pre-Dentistry .....	152
Message from the President.....	3	Pre-Health Professional.....	152
Meta Major		Pre-Legal Studies, AA .....	126
Business, AA.....	79	Pre-Medicine.....	152
Health Science Certificate I.....	82	Pre-Pharmacy.....	152
Health Science, AS .....	81	Prerequisites.....	203
Humanities, AA .....	83	Pre-Veterinary .....	152
Social Science, AA .....	84	Problem Resolution .....	47
STEM, AS.....	86	Procedures for Students Transferring to CWC	
Visual and Performing Arts, AA.....	88	Confirmed AA, AS, Bachelor's, and AAS Degree.....	21
MGT - Management .....	294	Programs Can Be Flexible .....	69
Microsoft Office Specialist.....	117	Programs of Study .....	69
Minimum Grade Requirements .....	60	PRSP - Parts Specialist.....	314

PSYC - Psychology .....	314	Student Privacy .....	14
Psychology, AA .....	127	Student Records .....	49
Purpose .....	25	Student Services .....	47
PWRS - Power Sports .....	317	Student Transcripts .....	30
Refund Policy .....	34	Student-Initiated Course Withdrawal .....	25
Registration .....	12	Success Coaching and Faculty Advisors .....	13
RELI - Religion .....	317	Teaching Riding Certificate II .....	103
Repeated Courses .....	31	TECH - Technology Exploring .....	321
Residency Classification .....	22	Technical Studies .....	71
Return of Title IV Funds .....	43	Entrepreneurship and (Companion Program Listed	
REWM - Rangeland Eco Water Mgt .....	318	here), AAS .....	74
Scholarships .....	44	Theatre and Film, AAS .....	75
Science, AS .....	196	Technical Studies Certificate I .....	73
Science, Technology, Engineering and Math .....	189	Technical Studies Program, AAS .....	71
Secondary Education, AA .....	164	THEA - Theatre .....	321
SHOS - Shoshone Language .....	318	Theatre, AA .....	173
SOC - Sociology .....	319	Three-Dimensional Art Certificate II .....	156
Social Science .....	128	Transcript/Registration Holds .....	31
Software Support Specialist, AAS .....	199	Transfer of Credit from Other Institutions .....	24
SOIL - Soil Science .....	319	Transfer Programs .....	70
SOWK - Social Work .....	319	TRIO-Student Support Services .....	49
SPAN - Spanish .....	320	TTD - Truck Trailer Driving .....	323
Special Topics .....	202	Tuition .....	32
SPPA - Lang Pathology & Audiolog .....	320	Two-Dimensional Art Certificate II .....	155
Standards of Academic Progress for International		University of Wyoming 2+2 Program Agreements .....	201
Students .....	24	UNST - University Studies .....	324
STAT - Statistics .....	321	Veteran's Financial Aid Standards of Progress .....	42
Student Activities/Intramural .....	54	Veterans' Aid .....	43
Student Admission Procedure .....	9	Vocational Rehabilitation .....	44
Student Athletics .....	54	WELD - Welding .....	324
Student Attributes .....	5	Welding Certificate I .....	145
Student Classifications .....	8	Welding Certificate II .....	146
Student Conduct .....	15	Welding, AAS .....	144
Student Consumer Information .....	6	Wind River Job Corps .....	12
Student Disciplinary Code .....	48	WUE Program .....	33
Student Financial Aid .....	49	Wyoming Works Grant .....	44
Student Grievances .....	48	ZOO - Zoology .....	327

