spirit of the thunderbird

CATALOG

2015-16

Casper College

Casper College

125 College Drive
Casper, WY 82601
307-268-2100
800-442-2963
caspercollege.edu

2015-16


Experienc
education

Casper College students are individually responsible for the information and policies in this catalog. Failure to read the regulations does not exempt a student from responsibility.

Computer resources are the property of Casper College. The unauthorized use of computer resources violates Wyoming state and U. S. federal law and the rules of this college. Therefore, students, faculty, or staff should not use, access, or attempt to access unauthorized accounts, passwords, or other computer resources. In addition, such resources must be used only for properly authorized functions.

Casper College does not discriminate on the basis of race, sex, color, national origin, religion, age, veteran status, political affiliation, disability, sexual orientation, or gender identity in admission or access to or treatment or employment in its educational programs or activities. Inquiries concerning Title VII, Title IX, Section 504, may be referred to Casper College, Office of Civil Rights Coordinator, 125 College Drive, Casper, WY 82601, 307-268-2025 or to the U.S. Department of Education, Office of Civil Rights, Region VIII, 1244 Speer Blvd. Suite 310, Denver, CO 80204-3582. 303-844-5695 or 303-844-3414.

This publication will be provided in an alternative format upon request.

Casper College reserves the right to change without notice any of the material, information, requirements, tuition and fees, or regulations published in this catalog.

Calendar and Dates

2015-16

August 2015

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September 2015

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IMPORTANT DATES

FALL 2015

Classes begin	August 24
Deadline for late registration	August 24
Payment deadline for tuition & fees	September 4
Census date	September 4
Labor Day holiday	September 7
Midterm week	October 12-16
Fall break	October 19-20
Advising week	November 2-6
Advising day	November 6
Withdrawal deadline	November 12
Thanksgiving break	November 25-27
Application for graduation deadline	December 1
Final exams	December 14-17
Fall term ends	December 17
Holiday break – campus closed	December 24-31

SPRING 2016

Campus offices open	January 4
King Equality Day	January 18
Classes begin	January 19
Deadline for late registration	January 19
Payment deadline for tuition & fees	February 1
Census date	February 1
Presidents' Day holiday	February 15
Midterm week	March 7-11
Spring break	March 14-18
Spring holiday	March 25
Application for graduation deadline	April 1
Advising week	April 4-8
Advising day	April 8
Withdrawal deadline	April 14
Final exams	May 9-12
Commencement	May 13
Memorial Day holiday	May 30

February 2016

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July 2016

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Driving Directions

From South & East

Take Interstate 25 to Exit 185 (East Casper/ Evansville), turn left onto Wyoming Blvd., following Wyoming Blvd. out of town until you come to the stoplight at Casper Mountain Road intersection, turn right. Follow the road until you reach the Campus Drive intersection, turn left.

From North

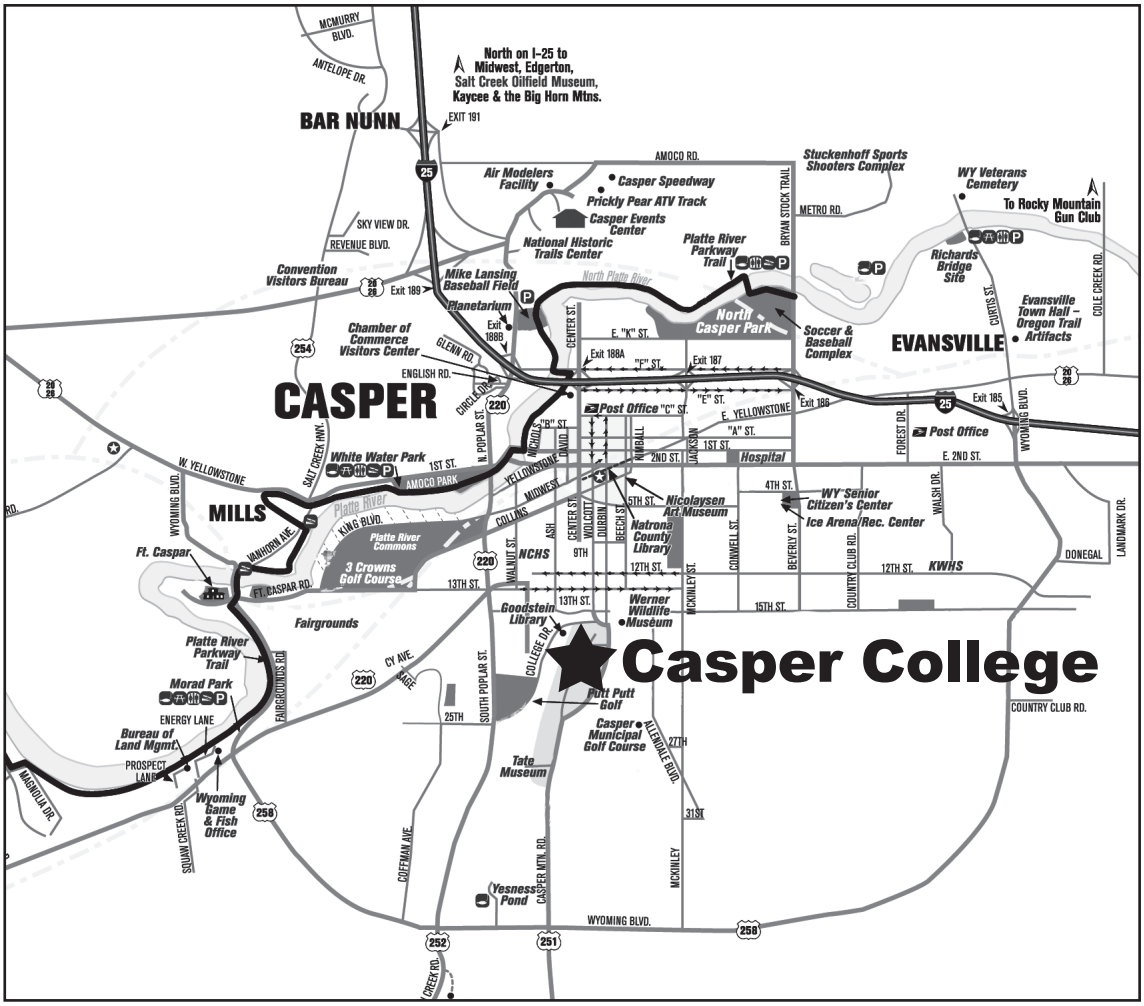
Take Interstate Exit 188B (Poplar Street) and turn right onto Poplar Street. Follow Poplar Street until you reach the College Drive/25th Street intersection. Turn left, follow College Drive until you see the Casper College sign, turn right.

From West

Follow Highway 20/26 through Mills until you get to the Poplar Street intersection, turn right. Follow Poplar Street until you reach the College Drive/25th Street Intersection, turn left. Follow College Drive until you see the Casper College sign, turn right.

From Southwest

Follow Hwy. 220/CY Avenue, turn right on Poplar Street, turn left on College Drive/25th Street, follow College Drive until you see the Casper College sign, turn right onto campus.



Map provided by the Casper Area Convention and Visitors Bureau
www.casperwyoming.info • 800-852-1889 • 307-234-5362

Maps and Directions

2015-16

Campus Map

125 College Drive • Casper, WY 82601
307-268-2100 • 1-800-442-2963
caspercollege.edu

Produced and last updated for Casper College in October 2011 by mapformation

Map Legend

- **AH** Aley Hall
- **BU** Thorson Institute of Business
- **CA** Civic Apartments
- **CS** McMurry Career Studies Bldg.
- **DL** Doornbos Livestock Facility
- **EC** Early Childhood Learning Center
- **EI** Skelton Energy Institute
- **GW** Walter H. Nolte Gateway Center
- **HS** Saunders Health Science Center
- **KT** Gertrude Krampert Center for Theatre and Dance
- **LH** Liesinger Hall
- **LI** Goodstein Foundation Library
- **LS** Loftin Life Science Center
- **MA** Maintenance Building
- **MU** Music Building
- **PS** Wold Physical Science Center
- **RH** Residence Hall
- **SF** Storage Facility
- **SH** Strausner Hall
- **TA** Thorson Apartments
- **TB** Erickson Thunderbird Gym
- **TM** Tate Geological Museum
- **UU** Student Center and UW-Casper
- **VA** Goodstein Visual Arts Center
- **WA** Werner Agriculture Pavilion
- **WH** Wheeler Terrace Apartments
- **WM** Werner Wildlife Museum
- **WT** Werner Technical Center

- **1** Parking Lots

Accrediting agencies and national standards boards associated with Casper College

Casper College is accredited by the Higher Learning Commission and is a member of the North Central Association, the highest academic accreditation available in the Rocky Mountain and Midwest regions and by other special accrediting bodies. The Higher Learning Commission may be reached at:

The Higher Learning Commission of the North Central Association of Colleges and Schools (2009)
230 South LaSalle Street, Suite 7-500, Chicago, IL 60604
1-800-621-7440
www.ncahlc.org

Council for Higher Education Accreditation (2010)
One Dupont Circle NW, Suite 510
Washington, DC 20036
202-955-6126/Fax 202-955-6129
chea.org

Wyoming State Board of Nursing (2003)
130 Hobbs Avenue, Suite B
Cheyenne, WY 82002
307-777-7601
nursing-online.state.wy.us

National Association of Schools of Music (2009)
11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700
nasm.arts-accredit.org

Accreditation Commission for Education in Nursing (ACEN) (2011)
3343 Peachtree Road NE, Suite 850
Atlanta, GA 30326
404-975-5000/Fax 404-975-5020
acenursing.org

National Association of Schools of Theatre (2010)
11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700
nast.arts-accredit.org

Commission on Accreditation of Allied Health Education Programs (CAAHEP)
1361 Park Street
Clearwater, FL 33756
727-210-2350 / Fax 727-210-2354
caahep.org

National Association of Schools of Art and Design (2009)
11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700
nasad.arts-accredit.org

Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) (2002)
4720 Montgomery Lane, Suite 200
Bethesda, MD 20824-3449
301-652-AOTA
aota.org

National Association of Schools of Dance (2013)
11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700
nasd.ats-accredit.org

Commission on Accreditation for Respiratory Care (2009)
1248 Harwood Road
Bedford, TX 76021-4244
817-283-2835
coarc.com

American Bar Association (2008)
750 North Lake Shore Dr.
Chicago, IL 60611
312-988-5617
americanbar.org

Joint Review Committee on Education in Radiologic Technology (2007)
20 N. Wacker Dr., Suite 2850
Chicago, IL 60606-2901
312-704-5300
jrcert.org

The National Association for the Education of Young Children (2008)
1509 16th Street, N.W.,
Washington, DC 20036-1426
naeyc.org

American Society of Health-System Pharmacists (ASHP) (2005)
7272 Wisconsin Avenue
Bethesda, MD 20814
301-657-3000
ashp.org

Association of Collegiate Business Schools and Programs (2010)
11520 West 119th Street
Overland Park, KS 66213
913-339-9356

National Accrediting Agency for Clinical Laboratory Sciences (2007)
5600 N. River Road, Suite 720
Rosemont, IL 60018
773-714-8880
naacls.org

Natiional Addiction Studies Accrediation Commission
1001 North Fairfax Street, Suite 201
Alexandra, VA 22314
nasacaccreditation.org

Casper College is a member of the American Association of Community Colleges.

Casper College

VISION

Casper College provides education for a lifetime.

MISSION

Casper College is a premier, public, comprehensive two-year institution with a primary focus on student success. The college offers academic transfer programs, career training, continuing education, and basic skills instruction. Casper College provides opportunities and programs to improve quality of life and supports community building and citizenship for the people of Casper, Natrona County, the State of Wyoming, and the World.

VALUES

In support of our mission to provide education for a lifetime, Casper College holds the following core values:

- **EXCELLENCE:** Casper College celebrates and rewards excellence.
- **GROWTH:** Casper College promotes personal, professional, and academic growth of the college community.
- **ACCESS:** Casper College provides open access and affordability.
- **TRUST:** Casper College fosters a culture of trust, respect, and open communication.
- **DIVERSITY:** Casper College encourages diversity of thought, culture, and experience.
- **FORESIGHT:** Casper College plans in a context that reflects flexibility, innovation, tradition, and sustainability.
- **SERVICE:** Casper College provides service to the community.
- **RESPONSIBILITY:** Casper College embraces accountability and responsibility.
- **ENRICHMENT:** Casper College fosters and maintains an enriching campus environment.

GOALS

Casper College will promote education for a lifetime by:

- Increasing transferability of coursework and applicability of skills
- Improving retention, completion, graduation, and student success rates
- Engaging students and others through the use of current pedagogies and technologies
- Encouraging excellence in advising and student support services
- Recruiting, retaining, and developing highly qualified faculty and other employees
- Advancing intellectual maturity, vocational proficiency, and cultural appreciation through developmental, general, and technical education credit and noncredit courses and programs
- Strengthening the college's ability to meet the needs of the community and state through curricula, program offerings, and partnerships
- Increasing diversity within student, faculty, and staff populations
- Maintaining a safe environment
- Utilizing, maintaining, and improving college facilities and equipment
- Strengthening the role of the college as the cultural center of the region and as a community resource for social, civic, and economic improvement

General Information

Official College Catalog

This catalog is the official governing catalog for new students entering Casper College in the 2015-16 academic year and for any student returning in the 2015-16 academic year whose governing catalog has expired. The term "student" refers to any person for whom the college maintains educational records or who has accepted an offer of admission into a Casper College academic program and who has not been awarded his or her current degree or certificate from the college. Casper College reserves the right to make changes without notice in the regulations and offerings announced in this catalog at any time. This catalog does not constitute a contract between Casper College and prospective or enrolled students.

Casper College students are responsible for reading the information and policies in this catalog. Failure to read the regulations does not exempt a student from responsibility. The college will provide this publication in an alternative format to accommodate disabilities. Printed copies may be purchased from our publishing vendor. Contact enrollment services for details.

Official Communication Method

Electronic mail or email using a college assigned student email account is Casper College's official method of communication. Students can expect to receive notices about academics, enrollment, social events, safety, and other relevant information. Students are responsible for all information sent to them via their Casper College email account.

Wyoming Community College Commission

The Wyoming Legislature established the Wyoming Community College Commission to serve as the coordinating agency for the state's seven community colleges. More information on the Wyoming Community College Commission is available at commission.wcc.edu.

District Board and President

A locally elected, seven-member district board, or board of trustees, governs Casper College. Members are elected to four-years terms. The Board meets the third Tuesday of each month in the Walter H. Nolte Gateway Center, Room 312, at 7 p.m. All meetings are open to the public. Board meeting minutes are available at caspercollege.edu/administration/board_minutes.

The college president is the chief administrative officer. The president is appointed by and responsible to the board of trustees and has responsibility for the operation of the college.

Casper College Foundation

The Casper College Foundation was established in 1962 to advance and assist in the development, growth, and operation of Casper College. The foundation provides outstanding support to Casper College in the form of facilities, scholarships, and equipment.

The foundation welcomes donations of funds and properties and is a qualified tax-exempt corporation for federal income tax purposes. The foundation office is located in the Walter H. Nolte Gateway Center, Room 306 at Casper College.

Casper College Alumni Association

The Casper College Alumni Association was chartered in 1989 to promote community awareness and appreciation for Casper College. The association, an affiliate of the Casper College Foundation, joins together a network of former students and friends who share a love of learning and a deep affection for Casper College. The alumni association offers scholarships to outstanding incoming and continuing students. The association sponsors and promotes outstanding alumni recognition with its Distinguished Alumni Award. This award was created to honor alumni who have made significant contributions in their chosen fields or communities.

The alumni office is located in the Walter H. Nolte Gateway Center, Room 306D, serves as the alumni information center, and provides support to the Casper College Alumni Association Board of Directors. Call 307-268-2218 for more information about the alumni association.

Course Numbering System

General Transfer Course Numbers

1000- 1499 Freshman

2000- 2499 Sophomore

If second digit starts with 0, 1, 2, 3, or 4 the course is academic/transfer.

Vocational Course Numbers

1500- 1999 Freshman

2500- 2999 Sophomore

If second digit starts with 5, 6, 7, 8, or 9 the course is vocational/technical.

Course Numbers for Undergraduate Variable Courses:

Course Type	General	Occupational
Capstone Courses	1395, 2395	1895, 2895
Field Studies	1460, 2460	1960, 2960
Directed Studies/Research Problems	1465, 2465	1965, 2965
Internship/Practicum	1470, 2470	1970, 2970
Independent Studies	1475, 2475	1975, 2975
Cooperative Work Experience	1480, 2480	1980, 2980
Seminar	1485, 2485	1985, 2985
Topics	1490, 2490	1990, 2990
Workshop	1495, 2495	1995, 2995

Transfer of Credits

Each college or university prescribes its own standards. Generally, a student in good standing at an accredited college or university can transfer to another accredited school without difficulty if the student has satisfactory grades (C or better) and proper course selection. Casper College is accredited by the Higher Learning Commission and is a member of the North Central Association, the highest academic accreditation in the Rocky Mountain and Midwest regions and by other special accrediting bodies. (See Accreditations, page 3, for more information.)

Students who plan to transfer to another college or university after they graduate, should select Casper College courses in accordance with the specific requirements of the schools to which they plan to transfer, consult with their transfer institution, and work closely with their academic advisors on course selection. Student success center professionals, who are located in the Walter H. Nolte Gateway Center, third floor, are good resources for transfer information. For optimum transfer, students should pursue an associate degree designed for transfer.

Enrollment

In the fall semester 2014, the college enrollment was 3997, including 1706 full-time and 2291 part-time students. Students came from all Wyoming counties, 36 other states, and 14 foreign countries.

Gainful Employment Disclosure

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at, caspercollege.edu, or the "Gainful Employment Disclosure List" in our online catalog and click on the desired program for specific information.

Disclosure Statement on Institutional Graduation/Completion Rate

Casper College provides the following information regarding institutional completion in compliance with the Higher Education Act of 1965. These rates reflect the completion status of students who enrolled during the fall 2011 semester and for whom 150 percent of the normal time-to-completion has elapsed.

During the fall 2011 semester, 577 first-time, full-time, certificate, or degree-seeking undergraduate students entered Casper College. After three years, as of August 31, 2014, 28 percent of these students had completed their programs of study at Casper College. An additional 18 percent of this cohort group transferred to other institutions prior to completing their respective programs of study. Questions related to this report should be sent to the institutional researcher, 307-268-2211.

General Policies

Nondiscrimination Statement

Casper College is committed to equal opportunity for all persons and does not discriminate in its employment or educational programs or activities on the basis of race, color, national origin, age, political affiliation, marital status, sex, sexual orientation, gender identity and expression, disability, religion, genetic information, veteran status, or any other characteristic protected under applicable federal, state, or local law. Questions concerning equal opportunity, discrimination, Title VII, Title IX, or Section 504 may be referred to Casper College, Human Resources Department, 125 College Dr., Casper, WY 82601; 307-268-2025, or to the U.S. Department of Education, Office for Civil Rights, Region VIII, 1244 Speer Boulevard, Suite 310, Denver, CO 80204-3582; 303-844-5695 or TDD 303-844-3417.

Family Educational Rights and Privacy Act (FERPA)

This act outlines the rights of students and the responsibilities of educational institutions in the maintenance and security of student records. The rights of students under this act include the following, subject to conditions and limitations specified in the act:

1. The right to access official records directly related to the student. Students may request to amend education records for inaccurate or misleading information but they may not challenge a grade, an opinion, or a substantive decision. Students have the right to a hearing pertaining to denied requests and may submit a personal statement in the record regarding the dispute.
2. The right to limit disclosure of personally identifiable information contained in education records. Casper College may release student information to excepted parties per this act without student consent. The college considers the following information to be directory information and, in response to public inquiry, may be disclosed in conformance with state law, at the college's discretion, without prior consent of the student: (a) student name, (b) major field of study, (c) educational level (d) participation in officially recognized activities and sports, (e) weight and height of athletic team members, (f) dates of attendance, (g) degrees and awards, and (h) enrollment status. Students may restrict access to their directory information by providing enrollment services with written notification during the first 14 calendar days of fall or spring semester or the first four calendar days of summer session.
3. The right to file a complaint concerning alleged failure by Casper College to comply with the act with the Family Policy Compliance Office. U.S. Department of Education, 600 Independence Avenue SW, Washington DC 20202-4605.

The information contained in educational records, except for directory information, will not be disclosed to anyone without the prior written consent of the student.

Title IX of the Higher Education Act of 1972 as Amended

Throughout this catalog, the masculine pronoun is generic and should be construed to apply equally to men and women. It is the intent of Casper College to comply with Title IX.

Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973

Casper College may not exclude any students with an ADA and/or Section 504 qualified disabling condition from any course or course of study because of a disability. Students seeking accommodative services under ADA or Section 504 must meet with the disability services counselor, located in the student success center, Room 344 of the Walter H. Nolte Gateway Center, prior to the implementation of expected services. Some services may require more than 72 hours advanced planning. Written documentation is required to qualify for accommodative services.

Sexual Misconduct

Casper College is committed to and seeks to maintain a safe academic and work environment. The college prohibits all forms of sexual misconduct, including sexual harassment, sexual violence, domestic violence, dating violence, and stalking. The college has a duty to prevent and redress sexual misconduct under federal law including Title IX of the Education Amendment of 1972, Violence Against Women Act, and the Violence Against Women Reauthorization Act of 2013. The full policy and procedures are available at caspercollege.edu/policies.

Individuals who believe they have been sexually harassed should follow college policies and procedures to address the issue. Harassment complaints may be reported to the director of human resources or the vice president of student services; both offices are located in the Walter H. Nolte Gateway Center, fourth floor or to the director of security and judicial review. The Denver Regional Office of the Department of Education or the Equal Employment Opportunity Commission Office in Denver are also available to address harassment issues. Confidentiality will be maintained for all parties involved, insofar as possible. College policy explicitly prohibits retaliation against individuals for bringing harassment complaints. Individuals found responsible for harassment are subject to disciplinary action. See the student handbook for more information.

MMR Immunization

All new degree-seeking students must provide proof of immunity to measles, mumps, and rubella (MMR) prior to registration. Persons born before 1957 are exempt from this requirement. Acceptable proof of immunization includes 1) an immunization record documenting the receipt of two doses of the MMR vaccination at 15 months of age or later or one dose for people who receive the vaccination after age 18; 2) a signed physician statement verifying a diagnoses of all three of the diseases; or 3) an official, signed statement documenting laboratory evidence of immunity for all three diseases. Immunization must be validated prior to registration. Students may obtain an MMR immunization through public health, a private physician, or at student health. Immunizations fees are the students' responsibility.

Students may request a medical or religious exemption. For a medical exemption, the student must submit a signed statement from a medical practitioner's verifying a medical contraindication (i.e., anaphylactic reaction to eggs or neomycin, pregnancy and altered immune status) to student health. For a religious exemption, the student must submit a signed statement declaring religious beliefs contrary to immunizations to student health. If a measles, mumps, or rubella outbreak occurs on campus, students with an exemption will be excluded from campus for the duration of the outbreak. Any MMR immunization exemption is only applicable to enrollment to Casper College. It does not extend to any program, course, clinical, or internship/cooperative work experience offerings in which an accrediting agency or third party site provider requires the MMR immunization.

Resident Status

The Wyoming Community College Commission establishes residency requirements. Residence classification is determined at the time of admission or whenever a student has not been in attendance for more than one semester. A student may also be reclassified prior to the end of a published refund period for any semester in which he or she qualifies. A registered student who is classified as a resident by one Wyoming community college will be classified as a resident at all Wyoming community colleges.

Community colleges may require applicants to supply information to document residency status. Direct any questions to enrollment services at 307-268-2111.

A. Residing in Wyoming primarily as a student will not support a claim for resident status. The following students are considered Wyoming residents:
    1. Individuals who are financial dependents or under the age of 24 with a parent, guardian, or spouse who lives in the State of Wyoming.
    2. Graduates of a Wyoming high school.
    3. Active Wyoming National Guard members and U.S. Armed Forces members stationed in Wyoming, and their dependents.
    4. Graduate students with university-funded fellowships.
    5. Wyoming residents temporarily absent from the state due to military service, attendance at an educational institution, or other type of documented temporary sojourn.
    6. The spouse or financial dependent of an individual who is determined to be a Wyoming resident pursuant to this regulation.
    7. Individuals with a permanent home in Wyoming. To determine if a permanent Wyoming home has been established, a variety of factors are considered including evidence that any former home has been abandoned, full-time employment in Wyoming for one continuous year, ownership of home or property in Wyoming, one year of continual presence in Wyoming, former Wyoming residency and maintaining state ties, reliance on Wyoming resources for full financial support, Wyoming vehicle registration, Wyoming address on most recent federal income tax return, a valid Wyoming driver's license, and Wyoming voter registration. No one factor determines residence status.
    8. Effective for the 2015 summer school session and each semester thereafter, an applicant for resident tuition who is a veteran or eligible individual, as described in 38 U.S.C. 3679(c)(2), shall qualify as a resident for purposes of tuition at the University of Wyoming if the applicant provides:
        a. A certificate or other evidence of the veteran's qualifying service in the uniformed services of the United States.

b. Documented evidence at the time of enrollment that:
   (1) The applicant for resident tuition intends to live in Wyoming during the term of enrollment,
   (2) 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,
   (3) 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.

c. 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 nonresidents:
   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 A2 above.

Admission and Registration

Student Classification

Casper College classifies students according to their educational objectives, college credits earned, and credit hour load.

Educational Objectives

Degree seeking: Students in programs leading to an associate degree, certificate of completion, or transfer to another college or university.

Nondegree seeking: Students who at the time they register do not have a degree or certificate objective and have not been admitted to the college. A student may change this status for a future term by completing admission requirements. Nondegree seeking students are NOT eligible for most forms of student financial assistance.

College Credits Earned

Freshman. Students who have earned fewer than 30 semester hours of academic credit.

Sophomore. Students who have earned 30 or more semester hours of academic credit.

Credit Hour Load

Full time. Students registered for 12 or more credit hours in the fall or spring term or six or more credit hours in the summer term.

Part time. Students registered for fewer than 12 credit hours in the fall or spring term or fewer than six credit hours in the summer term.

Admission Criteria and Process

Individuals applying for a degree or certificate program must meet the following criteria and complete the following process. Required materials must be submitted prior to the first day of the semester. If you miss the deadline, you may register as a nondegree-seeking student and apply for degree seeking status the following semester.

The admission process varies depending on the type of student: degree or certificate, nondegree, high school, transfer, or international. Some programs have a selection process with additional admission requirements that are more restrictive than the college's general admission requirements. Requirements may include, but are not limited to, completion of specific courses, minimum grade point average, minimum test scores, interviews, auditions, and submission of a portfolio.

Nondegree seeking students are those who are taking credit courses but are not working toward a degree or certificate. Nondegree seeking students do not have to complete the admission application process.

All applicants must be age 16 or older prior to the first day of class and meet one of the following criteria to be admitted to Casper College as a degree-seeking student. Applicants may petition for an exception to the admission policy through enrollment services.

A. Applicants That Have Not Earned Any College Credit

Admission Criteria: Must have completed one of the following requirements.

1. Graduated from an accredited Wyoming high school with a high school diploma.
2. Graduated from an accredited high school located in a state other than Wyoming with a diploma recognized by that state and with a C (2.0) average or higher grade point average.
3. Successfully completed a high school equivalency certificate that is accepted by the state in which the certificate was earned.
4. Completed a home school program approved under Wyoming State Statute 21-4-101(a)(vi).

Admission Process:

1. Complete and submit an application for admission to enrollment services.
2. Submit official transcripts from the last high school attended with the date of graduation or a high school equivalency certificate accepted by the state in which the certificate was earned.
3. Submit ACT or COMPASS test scores that have been taken within one year of registering for classes. These tests are required for course placement in English and math. Applicants who plan to complete a certificate program or who have completed their English and math degree requirements may be exempt from submitting ACT or COMPASS test scores. Contact enrollment services for more information.

B. Applicants with Earned College Credit (Transfer Credit)

Admission Criteria: Must meet all of the following requirements.

1. Earned an associate degree acceptable for full credit towards a bachelor's degree.
2. Earned a 2.0 or better grade point average from the college last attended.

Admission Process:

1. Complete and submit an application for admission to enrollment services.
2. Submit official copies of transcripts from all accredited colleges or universities attended.
3. Submit official transcripts from the last high school attended with the date of graduation or a high school equivalency certificate accepted by the state in which it was earned. Applicants who have earned 30 college credits with a 2.0 or higher grade point average may not be required to furnish a high school transcript.
4. Submit ACT or COMPASS test scores that have been taken within one year of registering for classes. These tests are required for course placement in English and math. Applicants who plan to complete a certificate program or who have completed their English and math degree requirements may be exempt from submitting ACT or COMPASS test scores. Contact enrollment services for more information.

C. Applicants Who Have Earned a Bachelor's or Higher Degree

Admission Criteria:

1. Earned a bachelor's degree or higher from a regionally accredited institution of higher education. Applicants who have earned a bachelor's degree or higher have fulfilled the general education requirements for Casper College.

Admission Process:

1. Complete and submit an application for admission to enrollment services.
2. Submit official copies of transcripts from all colleges or universities attended.

Casper College accepts credit from other accredited institutions of higher education based on the following guidelines.

- Credit is accepted from accredited institutions listed in the American Council on Education's Accredited Institutions of Post-Secondary Education. Students may be required to submit course descriptions to prove equivalency if the content of any course is not readily apparent or a catalog is not available.
- Credit from an institution on the quarter system are converted to semester hours (a quarter hour is two-thirds of a semester hour). Fractions of hours are not rounded up. The registrar will determine academic status and credits acceptable towards an associate degree or certificate program at the time of admission.
- Transcript evaluations are completed for admitted students and indicate which coursework is equivalent to Casper College courses. Equivalency questions are referred to the appropriate department for determination.
- All grades of D or better will transfer to Casper College but may not meet prerequisites or program requirements. GPA does not transfer or add into the Casper College cumulative GPA.
- Casper College does not accept religion specific courses.
- Prior completed coursework may be reviewed to determine if they meet current prerequisite or course requirements. Students may challenge or retake these courses.
- Students transferring U.S. Government courses from out-of-state will still be required to complete the U.S and Wyoming Constitution requirements for graduation.
- Official transcripts submitted to Casper College become the property of the college and will not be released to a third party. Any transcripts from another institution must be requested from that institution.

D. High School Students

High school junior or senior students who possess the ability to satisfactorily complete college work and who have permission of their high school to enroll in college coursework may take college courses. Students in lower grades may be granted an exception if they are registered in an Accelerated College Education (ACE) course articulated with the Natrona County School District and as long as the course is offered

through a college department that allows such exceptions in their articulation agreement. High school students do not have to complete the admission application process.

E. International Students

International students applying for admission must complete the following process. Required materials must be submitted prior to the first day of the semester. If you miss the deadline, you may reapply for the following semester.

1. Complete and submit an applications for admission and campus housing to enrollment services. Applications may be accessed at caspercollege.edu.
2. Submit Test of English as a Foreign Language (TOEFL) scores. You must have a minimum of 500 paper based, 61 Internet based (iBT), or 173 computer based.
3. Submit ACT, SAT or COMPASS placement test scores.
4. Submit transcripts (in English) verifying the equivalent of a high school diploma or leaving certificate and all college transcripts if you have attended college elsewhere.
5. Submit documentation of measles, mumps, and rubella (MMR) vaccinations.
6. Complete the financial statement and have your bank official verify the information.
7. Complete and submit the International Student Insurance application.
8. Casper College will issue an acceptance letter and a Form I-20 once we receive all required documents and deposits. This will give you F-1 student status. You can make the embassy visa interview appointment once you receive the Form I-20.
9. When you arrive in the U.S., come to Casper College and meet with the international student sdvisor who is located in enrollment services to finish your paperwork, get an ID, and receive information on student orientation.
10. Submit payment of $3,312 for tuition and fees, $3,147 for room and board, and $200 for a damage deposit. The total amount is $6,659.
11. Insurance is an estimated cost for a policy in the U.S. If you have insurance that is accepted in the U.S., you do not need to purchase a new policy. You will need to submit proof to Casper College that your current insurance will work in the U.S.

On Course

"On Course" is a two-credit class designed to teach students strategies for becoming more successful in college and in life. The curriculum focuses on building characteristics of successful students such as personal responsibility, self-motivation, self-management, interdependence, self-awareness, lifelong learning, and emotional intelligence. Any student may enroll in an "On Course" class. Students who meet one or more of the following criteria are required to take "On Course" the first semester they qualify.

1. Admitted or re-admitted on probation
2. First-time, full-time freshmen who:
   - Qualify for developmental English
   - Earned a high school equivalency certification such as GED or HiSET
   - Registered on or after the last advisory date

Students who wish to petition not to take "On Course," must complete the "On Course" waiver form located at caspercollege.edu/advising/on_course

Degree-seeking Students

New students who complete the admission requirements (see "Admission Criteria and Process") will receive a letter of acceptance, with the registration schedule and instructions for scheduling an appointment to register. Currently enrolled degree seeking students may register for classes for the following semester (during the official early registration period) after they have met with their advisor. Registration is typically held during the latter part of each semester.

Late registration is available the week before classes start and during the first two days of each semester.

Nondegree-seeking Students

Nondegree-seeking students (those who are not working toward a degree or certificate) are not required to complete a full application for admission or submit transcripts. These students are not eligible to receive most forms of student financial aid nor are they assigned academic advisors, but they may use student services staff for assistance. Nondegree-seeking students may register and make course changes via WebAdvisor, U.S. mail, or in person in enrollment services.

Course Load

Course load is measured in credit hours enrolled in each semester. Twelve credit hours is considered full-time enrollment. On average, a student will need to take a minimum of 16 credit hours to complete an associate degree within two years. The maximum recommended credit load is 19 hours per semester. The college does not grant academic credit or a grade for audited courses. Students should discuss their appropriate class loads with their academic advisors. The vice president of student services or an enrollment service director may grant an exception to this rule for student with a good academic record.

Academic Credit

The standard for academic course credit, as identified by the Higher Learning Commission of the North Central Association of Colleges and Schools, is that one credit be awarded for three hours of student work per week during a 15-week semester.

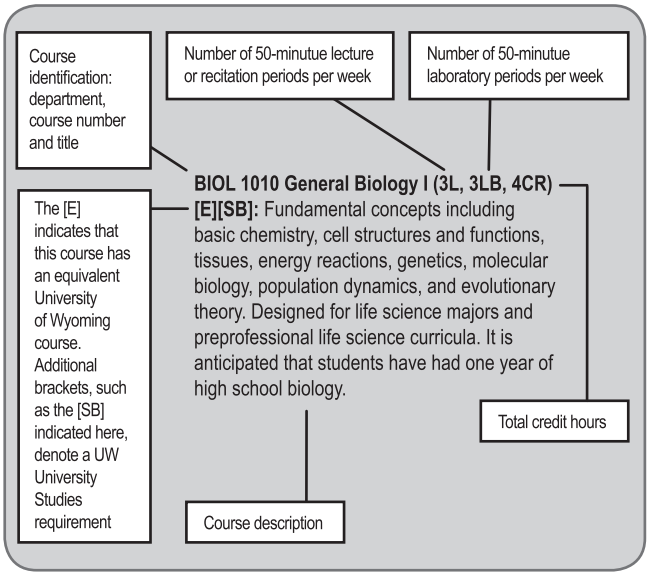
At Casper College, a "period" is defined as a minimum of 50 minutes.

Credit Formulas

- One lecture credit equals one period with two hours of outside preparation.
- One laboratory credit equals two to four periods and necessary outside preparation.
- One music studio credit equals 30 minutes of applied instruction plus three hours of practice per week.

An equivalent amount of work is expected for internships, practicums, studio work, clinicals, independent study, compressed courses, and other academic work leading to the award of academic credit.

Course Identification



Schedule Changes

Schedule changes include adding or dropping courses or completely withdrawing from the college. Schedule changes may result in additional charges, late fees, or a change in your financial aid. You may have an outstanding account balance even after dropping a course or completely withdrawing from the college. Contact accounting and financial management for information on how a schedule change may affect your account balance and enrollment services on how a schedule change may affect your financial aid.

Adding a Course

1. Adding a full semester course:

   Students may add a course via WebAdvisor or in person at enrollment services. Additions must be made within the first two days of the semester.

2. Adding a less than full semester course:

   Students may add a course via WebAdvisor or in person at enrollment services. Additions must be made prior to the start of the course.

Dropping or Withdrawing From a Course

Nonattendance or nonpayment is not the same as dropping a course. You must complete the required paperwork to drop a course.

1. Dropping a course:

   Students may drop a course at any time prior to the census date listed in the academic calendar (usually day 10 of the semester) using WebAdvisor or by coming to enrollment services. Dropped courses are not recorded on a student's transcript.

2. Withdrawing from a full semester course:

   Students may withdraw from courses after the census date in WebAdvisor or by submitting a completed change form to enrollment services prior to the withdrawal deadline. Withdrawals are recorded on the student's transcript as a withdrawn (W) course.

   After the withdraw deadline date, the student must obtain the instructor's permission and submit a completed petition with enrollment services by the following deadlines:

   - For fall semester classes: by February 1 of the following spring semester
   - For spring semester classes: by July 1 of the following summer semester
   - For summer semester classes: by October 1 of the following fall semester

3. Dropping or withdrawing from a less-than-full semester course:

   Students may submit a completed change form to enrollment services to drop or withdraw from a less-than-full semester course. Withdrawals made by the deadline date set by the instructor (typically one week after the middle of the course) will be recorded as a withdrawn (W) on the student's transcript. The student must have the instructor's permission to withdraw from a course after the deadline date and should follow the procedures above.

4. Faculty-initiated withdrawals:

   Faculty members submit a faculty-initiated withdrawal (FIW) request to the registrar's office for students who fail to attend scheduled course sessions for two consecutive weeks. Faculty may submit a FIW between the fourth week of the semester (the second week for summer semester) and the withdraw deadline date.

   The registrar's office will notify the affected student that an FIW has been submitted. The student may elect to remain in the class by responding to the registrar's office in person or in writing within 10 calendar days and by immediately contacting the faculty. Students who do not respond within 10 days will be withdrawn from the course and a withdrawal (W) will be recorded for that course on the student's transcript.

Dropping or Withdrawing from All Casper College Courses

Students wishing to drop or withdraw from all courses in a semester should submit a completed complete withdrawal form to enrollment services. Withdrawals for full semester courses made by the withdrawal deadline date will be recorded on the student's transcript as a withdrawn (W) course.

After the withdraw deadline date, the student must obtain the instructor's permission and submit a completed petition with enrollment services by the following deadlines:

- For fall semester classes: by February 1 of the following spring semester
- For spring semester classes: by July 1 of the following summer semester
- For summer semester classes: by October 1 of the following fall semester

Payments

Payment and Deadlines

Tuition and fee charges for a semester are due and payable at the time of registration. The college must receive full payment no later than the payment deadline. Accounts not paid or without payment arrangements by the deadline will be subject to additional fees and possible submission for collection. Payment information regarding each semester is available in the current semester schedule or online at caspercollege.edu/1stop.

Student responsibility: Upon registering for class, students become liable for incurred charges, knowing the correct tuition and fees owed, verifying the status and balance of their account, and payment of all charges prior to payment deadlines. Students whose home institution is the University of Wyoming or any Casper College university partner and who are enrolled in Casper College courses, are required to pay Casper College tuition directly to Casper College by the Casper College payment deadline.

Nonattendance does not constitute a withdrawal. Students must notify the registrar if they will not be attending courses for which they are registered. Failure to pay tuition and fees does not constitute a withdrawal. Students are responsible for charges incurred to the date of formal withdrawal according to the refund schedule.

Students are responsible for contacting accounting and financial management (AFM) prior to the payment deadline to make any arrangements if their federal financial aid or any other funding source, including financial aid issued by another institution, trust fund distribution, or payment by employer or other parties, will not be available prior to a payment deadline. Students should verify that all expected financial aid has been credited to their account prior to due dates to avoid extension/late payment fees. Note: Casper College tuition will not be deducted from financial aid issued by another institution. Failure to make payment or arrangements will result in extension charges.

Statements are mailed prior to the start of a semester and monthly thereafter. Students are responsible for maintaining a current address on file with enrollment services. If a student does not receive a statement of account, it is the student's responsibility to request a statement from AFM and make payment by the payment deadline. Students can view account information online through WebAdvisor at caspercollege.edu/1stop. A Casper College username and password are required.

Failure to make payment by a published due date will result in extension/late payment fees. These fees will not be waived because a student did not receive a statement.

Tuition payments may be made by telephone with a VISA, MasterCard, or Discover card, by mail, online through WebAdvisor at caspercollege.edu/1stop, or in person during regular office hours. To avoid additional charges, students should verify that Casper College has received payments made by mail.

Authorization to bill for a student's tuition and fees will be accepted from government agencies, such as DVR or a student's employer. The authorization must be on file with AFM prior to the payment deadline to avoid extension/late payment fees. Casper College will bill the third party according to the terms of the authorization and payment will be due within 30 days from the date of billing. The student is responsible for timely payment of any fees not covered by the authorization, extension/late payment fees assessed as a result of the authorization not received prior to due dates, and the account balance if the third party fails to pay the amount authorized and billed.

Casper College payment plan: Casper College offers a three-payment plan for fall and spring semester. A two-payment plan is available for summer semester. Payment plan agreements are available through the Casper College website and the AFM. Refer to caspercollege.edu/1stop or contact AFM for details.

The college will place a hold on a student's records when an account balance or payment plan payment is past due. Any account with an outstanding balance, regardless of arrangements, will have a hold placed on the student's records. This action prevents any new registrations, issuance of academic transcripts, etc. The college will not release unless payment is made in full with collected funds (cash, cashier's check, credit card, or money order). If the debt is paid with a personal check, there will be a two-week delay from the date of deposit before the hold will be released. Students who incur a debt during a semester, after registering for a subsequent semester, will have a hold placed on their other records. The college will delete subsequent semester registrations for students who do not pay their debt by the billing statement due date for that debt.

The college may at any time refer an account for collection that has not met payment requirements. Collection costs, assessed court costs, and attorney's fees may be added to the outstanding balance. There will be no adjustments to or petition consideration given on an outstanding balance. All payments must be made to the collection center. Referral for collection will adversely affect a student's credit at Casper College. In the future, they will be required to prepay tuition before registering for courses and will not be permitted to use a payment plan.

Refunds

Refunds are available for tuition and fees, room, and board under specific criteria.

A. Tuition and Fees

Refer to current semester credit class schedule or to caspercollege.edu/1stop for refund information. To receive a refund or adjustment, the drop or withdrawal from the course(s) must occur by the deadlines listed. For courses that meet for less than a full semester, the number of days in each refund period for the standard full semester refund policy is proportionately applied to the length of the course to determine the length of time for a 100, 75, and 50 percent refund. Check with AFM for the refund percentage that will apply. See "Complete Withdrawals" for required procedures and definitions of official withdrawal date.

AFM will calculate refunds following the end of the refund period and mail refund checks to the student. Credit will be issued to the credit card account for payments made by credit card.

Students should submit a petition to the vice president for student services for an exception to the refund policy. Petition forms are available in the Walter H. Nolte Gateway Center, third floor, or call 307-268-2323 or visit caspercollege.edu/1stop/forms.

B. Room Refund

Unless a student withdraws entirely from Casper College, room charges are not refunded after 5 p.m. on August 10, 2015 for students who applied for housing for fall and spring semester and after 5 p.m. on January 4, 2016 for students who applied for housing for the spring only. Students who

withdraw entirely will be refunded 75 percent during the first two weeks of the semester; 50 percent for the third week; and 25 percent for the fourth week. No refunds will be made after the 25 percent deadline. Students who move off campus and continue enrollment at Casper College are accountable for the entire room charge and will forfeit their $200 deposit.

C. Board Contracts

The college will refund 100 percent of the unused portion of the board contract up to 30 days prior to the end of the semester.

D. Grant, Loan or Scholarship Repayment

Students who receive grant, loan, or scholarship funds but attend no classes must repay the full amount of such funds. Students who receive such funds and attend classes but withdraw from college must make repayment of such funds in accordance with the appropriate refund and repayment policy. Award repayments are deducted from any available tuition, room, and board refunds. Any balance due the college is billed to the student and any balance due the student is refunded to the student.

Fees

The Casper College Board of Trustees reserves the right to alter tuition, fees, and room and board at any time by the amount necessary to maintain the institution.

Miscellaneous Fees

Studio Music (private lessons, per credit hour)	$90
Fitness Center courses (per credit hour)	$30
Continuing Education courses (fees vary)	
Other (as detailed in the term class schedule)	

Books and Supplies

Textbooks and required special course supplies are available for purchase at the Jack McCann College Store located on the first floor in the Student Union. Costs will vary per course.

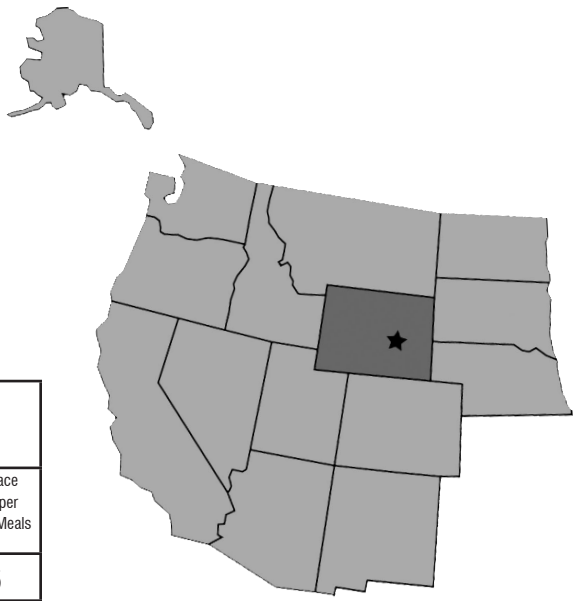
WICHE and WUE

Casper College participates in the Western Interstate Commission for Higher Education (WICHE) Western Undergraduate Exchange (WUE) program. Through WUE, students who are legal residents of other WICHE states may enroll in Casper College programs at WUE rates (150 percent of the Wyoming resident tuition plus the standard per credit student fees).

- Residents of the following states qualify for tuition through the WUE program to include but are not limited to: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah and Washington. Others as determined by WICHE.

Casper College graduates may generally enroll as students under the same terms at designated institutions and programs in other participating states. Information about programs in other states may be obtained from the WICHE Office, P.O. Box 3432, University Station, Laramie, Wyoming 82071 or by calling 307-766-6556.

Tuition and Fees (2015-16)		
	Full-time/ Semester*	Per Credit Hour*
Wyoming Residents	$1320	$110
Out-of-State	$3312	$276
WUE	$1812	$151
* All amounts include a $25 per credit hour fee for publications, athletics, student government, student health, etc. The maximum fee assessed per semester is $300 (12 cr hrs x $25)		



Room and Board (2015-16) Fall and Spring Semester				
Per Semester	DBL w/private bath* Occupancy/19 Meals Per Week	DBL w/private bath* Occupancy/15 Meals Per Week	DBL w/private bath* Occupancy/10 Meals Per Week	Wheeler Terrace 2 occupants per apartment /19 Meals Per Week
ROOM	$1665	$1665	$1665	$2575
BOARD	$1482	$1482 +$100 Flex Bucks	$1322 +$100 Flex Bucks	$1482
*FOR SINGLE OCCUPANCY ROOM ADD $875 PER SEMESTER				
A 50 meal plan commuter plan (plus $50 Flex Dollars) is available for nonresidence hall students for $500 per semester.				

Academic Policies

Class Attendance

Students are expected to attend all sessions of the classes in which they are enrolled. Students should contact the vice president of student services office in the Walter H. Nolte Gateway Center or 307-268-2201 if they are called for jury duty, subpoenaed as a witness, or ill or injured and unable to attend class for an extended period. The office will notify instructors of students on extended leave. This notification does not give students an excused absence and instructors may request that students provide appropriate documentation to the vice president of student services office upon their return and complete any make up work assigned. Contact the vice president for student services office at 307-268-2201 about documentation requirements.

Students should check with their instructors about their specific class attendance policies. Casper College encourages its faculty to make a reasonable effort to allow students to observe their major religious holidays or to participate in college-sponsored activities without academic penalty. Students are responsible for notifying their instructors as soon as possible of dates for which they plan to request an excused absence and for abiding by the instructor's policies.

Faculty are required to report the names of all students who attend class irregularly or who are absent for several consecutive class sessions to the vice president of student services office, who will contact students about their intent to continue in the class. Excessive absences or tardiness may result in a lower grade or in a faculty-initiated withdrawal from the course.

Faculty sponsors or coaches submit a list of students who will miss class because of a college-sponsored activity to the student's faculty and to the vice president of student services at least three days before the first scheduled day to be gone. Students should talk with their instructors prior to any absences. The faculty member has the authority to excuse absences and to allow make-up work.

Grades and Grade Points

A — excellent	4 points
B — above average	3 points
C — average	2 points
D — below average	1 point
F — failure	0 points
I — incomplete	0 points
S — satisfactory	0 points
U — unsatisfactory	0 points
X — in progress	0 points
AU — audit	0 points
W — withdrawn	0 points
Drop	0 points

Incomplete

An incomplete (I) is awarded when a student, for reasons beyond the student's control, is unable to finish the course and when the student would otherwise have had a passing grade. A student who receives an incomplete must arrange with the instructor to complete the course. The student and the instructor agree on a date for the student to complete the course. The completion date must be before the end of the next full semester (excluding summer semester) or the student may file for an extension. If the student does not complete the course by the completion date and does not file for an extension, the incomplete (I) will be changed to a failed (F) grade on the student's transcript.

Satisfactory/Unsatisfactory

Courses that offer an S/U grading option are identified as such in the course catalog. Students may select S/U grading when they register for the course or prior to the withdraw deadline date. Instructor permission is required for any changes after registration. Grade points are not awarded for S/U or pass/fail grades, therefore, courses awarded an S/U grade are not included in the student's GPA calculation. S/U grades may count toward degree, satisfactory progress, and athletic or activity eligibility requirements.

In Progress

An in progress (X) is awarded when a student enrolls in an open enrollment course too late in the semester to complete the course on time or when the course is self-paced and does not have a firm completion date. An X is an indicator of progress and not a grade. It is not included in the student's GPA calculation. It is part of the student's permanent record and the credit hours associated with the course may count toward satisfactory progress requirements and athletic or activity eligibility.

Audit

Students may opt to audit a course when they want to attend a class but, for a variety of reasons, may not want to receive credit or a grade for that course. Students who wish to audit a course indicate so at the time of enrollment. The college does not grant academic credit or a grade for audited courses. Students who satisfactorily complete an audited course, including regular attendance, will receive an audit notation on their transcript. The college charges full tuition to audit a course. Students who wish to change from taking a course for credit to auditing must acquire written permission from the instructor prior to the course withdrawal deadline (see the Casper College calendar for the deadline) and file the appropriate form with enrollment services. Changing from credit to audit may affect a student's financial aid.

Withdraw/Drop

Students may drop a course at any time prior to the census date listed in the academic calendar (usually day 10 of the semester) using WebAdvisor or by coming to enrollment services. Dropped courses are not recorded on a student's transcript. Students may withdraw from courses after the census date in WebAdvisor or by submitting a completed change form to enrollment services prior to the withdrawal deadline also listed on the academic calendar. Withdrawals are recorded on the student's transcript as a withdrawn (W) course. After the withdraw deadline, a student may submit a completed petition with their instructor's permission to enrollment services. Additional documentation may be requested, and approval is not guaranteed. Check the refund schedule for any applicable charges.

Grade Point Averages (GPA)

There are two types of grade point averages (GPA): semester and cumulative. Semester GPA is calculated by multiplying the credits a course is worth by the number of points the earned grade is worth to give the total grade points for that course. Do this for each course taken in a semester. Add the points for all the courses taken that semester and divide by the total number of credits attempted for that semester. The cumulative GPA is calculated by dividing the total number of grade points earned at Casper College by the total number of semester credits earned.

Repeated Courses

If a student repeats a Casper College course, prior credit, semester hours, and grade points earned in that course will be excluded from the student's cumulative grade point average, regardless of the number of repetitions. However, all attempts at a course are included on the student's official transcripts. Repeated courses may or may not be financial aid eligible (See "Student Financial Assistance").

Grade Reports

The college issues student grade reports twice a semester. The midterm grades indicate the student's academic progress. The information on this report is not part of the student's permanent record. Final grades are the student's final grades for that semester. Students may view their grades online in WebAdvisor.

Transcripts

A transcript is a record of the courses that a student has taken. Students can download unofficial transcripts from WebAdvisor at any time. Students may request official transcripts in writing from enrollment services. No transcripts are released until all administrative holds have been satisfied. There may be a charge for official transcripts.

Academic Standing

Good Standing and Satisfactory Progress

Students who have attended Casper College for one or more semesters and have attained a 2.0 or better grade point average for that term or for their cumulative average are considered in good standing. Satisfactory progress is a term used with federal student financial aid recipients. The college issues student grade reports twice a semester. The midterm grades indicate the student's academic progress and are not part of the student's permanent record. Final grades posted for that semester are a part of the student's permanent record. Students may view their grades online in WebAdvisor.

Honors and Standings

The college uses semester or cumulative grade point averages to determine eligibility for the following honors or standings (see "Grade Point Averages" in this catalog).

Honor Rolls

- President's Honor Roll: This honor is granted at the end of the fall and spring semesters to full time, degree-seeking students who completed at least 12 credits with a 3.5 or higher grade point average in the given semester.
- Dean's Honor Roll: This honor is granted at the end of the fall and spring semesters to part-time, degree-seeking students who completed at least six but fewer than 12 credits and nondegree-seeking students who completed six or more credits with a 3.5 or higher grade point average in the given semester.
- Graduate with Distinction: Students receiving associate's degrees who have earned a minimum of 32 semester hours (semester hours attempted as defined in grade averages) at Casper College and have attained a cumulative GPA of 3.8 or better in Casper College coursework graduate with distinction.

Honor Societies

- Alpha Mu Gamma: This is the National Collegiate Foreign Language Honor Society, which recognizes achievement in foreign language study and encourages interest in foreign languages, literature, and linguistic attainment.
- Phi Rho Pi: This national organization recognizes excellence in forensics competition and is open to any student who is interested in competitive speaking.
- Phi Theta Kappa: An invitation to join Phi Theta Kappa, a national two-year college honorary scholastic fraternity, is dependent upon meeting several qualifications. The student must:
    - have a Casper College cumulative grade point average of 3.5 or higher at the time of initiation;
    - have completed at least 12 credit hours of Casper College coursework; and
    - be enrolled in Casper College for at least six credits in the semester that he or she becomes eligible for membership and is initiated.

Academic Probation and Suspension

The registrar notifies students who are not making academic progress and are on academic probation. The college places students on academic probation when:

1. The student does not meet the minimum qualifications for admission or
2. The student does not meet the minimum grade standard to be considered in good standing

The college removes students from academic probation who attain a semester grade point average that meets or exceeds the minimum requirements to be considered in good standing. Students who fail to achieve good standing after one semester on academic probation are subject to academic suspension.

The college issues an academic suspension when a student fails to achieve good standing after one semester on academic probation or for an act of academic dishonesty. Students on academic suspension may not register for academic courses for at least one semester unless they receive an approved petition for exception.

Financial aid probation and suspension are issued in accordance with the rules and regulations governing the specific form of aid received and are determined separately from academic probation and suspension.

Corrective Measures

Corrective measures come in the following forms:

1. **Current semester problems.** A student experiencing difficulty with any course may withdraw from the course or the college (see "Schedule Changes"), change from taking a course for credit to auditing a course (see "Audit"), or request an incomplete or in progress (see "Incomplete" and "In Progress").
2. **Academic standing.** Academic standing is based on either semester grade point average or cumulative grade point average (see "Academic Standing"), thus allowing redemption in one semester regardless of past record and avoiding penalty for one below par semester in an otherwise satisfactory record.
3. **Academic Forgiveness.** A degree-seeking student currently attending Casper College may petition the registrar to remove up to two semesters, in their entirety, from the calculation of the student's cumulative grade point average (GPA) and degree credits. The registrar will approve the petition if the student has completed 24 semester hours of college level courses with a 2.5 GPA after the last semester listed on the forgiveness petition. This is a one-time-only option.

Disciplinary Probation, Suspension and Expulsion

Disciplinary probation, suspension, and expulsion procedures are addressed in the student handbook. Only the president is empowered to expel students for disciplinary reasons. However, a judicial hearing body is responsible for making an expulsion recommendation to the president.

Cheating and Plagiarism

Casper College demands intellectual honesty. Plagiarism or any form of academic dishonesty may result in the offender's failing the course in which the offense was committed (See Casper College Student Handbook Code of Conduct).

Student Conduct

Casper College is dedicated to providing an academic environment that supports learning and the development of responsible personal and social conduct. Students are expected to treat others with civility, dignity, and respect and abide by all federal, state, and local laws and all college policies, rules, and regulations both on and off campus. Casper College reserves the right to take necessary and appropriate action to protect the safety and well-being of the campus community. The Casper College Student Code of Conduct is a means to communicate the goals of the college and maintain a healthy campus environment (See student handbook).

In addition to policies listed in the Casper College Policy Manual, Academic Catalog, Student Handbook, and any school, department, or program requirements, the Casper College Student Code of Conduct outlines student rights, responsibilities, and prohibited behaviors. The specific items are not meant to serve as an exhaustive list but as a general guideline. Students residing in campus housing are subject to the conduct standards described in the Casper College Residence Hall Handbook, "Terms and Conditions for Occupancy," and other campus housing materials. Students participating in campus activities and college sports are subject to conduct standards set by the campus team/activity and regulations set by conference, regional, and national organizations responsible for the sanctioning of the sport or activity. Students are responsible for becoming familiar with all conduct policies, rules, and regulations specified in official college publications.

Students who violate the standards may be disciplined. Students have a right to due process to ensure that sanctions taken are appropriate for the code violations, serve as a deterrent, and are educational and corrective. Only the president can expel a student for code violations. Removal from college housing for conduct violations that endangered or have the potential to endanger the life or safety of any person, including the student, or resulted or may result in damage to institutional or private property is considered a reasonable safety response and not a disciplinary sanction for the purposes of this code.

Student Complaints

Students who believe that the college or its employees have treated them unfairly or inequitably may seek resolution through the student grievance policy. The full policy and procedures are available at caspercollege.edu/policies. The vice president for student services is available to review the policy with students. Students may not grieve college policies, procedures, or regulations or sanction issued for code of conduct violations.

Grievances may be addressed through an informal resolution, formal resolution, or grievance hearing. Sexual misconduct violations are referred to the Title IX coordinator and addressed in the sexual misconduct policy.

Academic Credit

Credit by Examination

General Policy

Each academic department may identify courses for which a student may earn credit by taking an examination. The examination may be a departmental examination or CEEB-AP or CLEP examination. Students must be registered degree seeking during the semester in which the credit by examination is to be awarded.

Students may not earn credit by examination in a subject area in which they have previously earned credit in a higher-level course. Students cannot use credit by examination to replace a failed grade or to raise a passing grade in the same course.

Students may only select credit by examination once, even for the same course. However, credit by examination is a way to obtain credit for courses previously taken at other institutions that did not transfer.

Visit the student success center in the Walter H. Nolte Gateway Center, Rooms 342 or 346 for more information.

Departmental Examination

Department exams adhere to the following four statements:

1. The student submits an "Intent to Challenge a Course" form that identifies the specific course for which credit by examination is sought to the registrar and the appropriate department head. The student pays any required fee.
2. Courses may only be challenged during a semester in which they are being taught and must be taken prior to midterms.
3. The student must arrange for the departmental examination with the appropriate department head.
4. The instructor assigned to the course will report the grade for the challenge exam, S or U, to the registrar and the appropriate department head.

Advanced Placement Program Policy

Students showing proficiency by passing the CEEB Advanced Placement Examination will receive Casper College credit and a grade of S. Casper College awards credit for CEEB Advanced Placement Program Examinations as follows:

Advanced Placement Information

Subject	Acceptable Score	Course #'s, Course Titles, Credits
Art History	4+	ART 2020 (3CR)
Biology	4 or 5	BIOL 1010 (4CR)
Calculus AB	3, 4, or 5	MATH 2200 (5CR)
Calculus BC	3, 4, or 5	MATH 2200, 2205 (10CR)
Chemistry	4 or 5	CHEM 1025, 1035 (8CR)
Computer Science A	4	COSC 1010 (4CR)
Computer Science A	5	COSC 1010, 1030 (8CR)
Computer Science AB	4-5	COSC 1010, 1030 (8CR)
Economics	3, 4, or 5	ECON 1010 (3CR)
European History	3, 4, or 5	HIST 1120 (3CR)
French Language	3	FREN 1010 (4CR)
French Language	4	FREN 1010, 1020 (8CR)
French Language	5	FREN 1010, 1020 and 2030 (12CR)
German Language	3	GERM 1010 (4CR)
German Language	4	GERM 1010, 1020 (8CR)
German Language	5	GERM 1010, 1020, 2030 (12CR)
Language & Composition	4 or 5	ENGL 1010 (3CR)
Macroeconomics	4 or 5	ECON 1010 (3CR)
Microeconomics	4 or 5	ECON 1020 (3CR)
Music Theory	4 or 5	MUSC 1030 (3CR)
Physics 1	4 or 5	PHYS 1310 (4CR)
Physics 2	4 or 5	PHYS 1310 and 1320 (8CR)
Psychology	3, 4, or 5	PSYC 1000 (3CR)
Spanish Language	3	SPAN 1010 (4CR)
Spanish Language	4	SPAN 1010 and 1020 (8CR)
Spanish Language	5	SPAN 1010,1020 and 2030 (12CR)
Statistics	3+	STAT 2050 (5CR)
U.S. History *	4	HIST 1211, 1221 (6-7CR)

* This credit will not meet the requirements for Wyoming Constitution.

College Level Examination Program

Casper College is a College Entrance Examination Board (CEEB) College Level Examination Program (CLEP) testing center. All available tests are administered via computer in the campus Academic Testing Center.

The fee to take a general or subject matter exam or a combination of the two, must be paid online before the testing appointment. The $15 administrative fee must be paid to accounting and financial management in the Walter H. Nolte Gateway Center prior to testing. Students may select the institution where they would like the exam results sent. After talking with the student success center (307-268-2231 or 307-268-3315), students will need to call the Academic Testing Center (BU1 20) at 307-268-3850 to schedule a testing appointment.

Although the college allows credit for both general and subject examinations, the transferability of general examinations is uncertain. Students in transfer programs should only take subject examinations to increase the likelihood of transfer. The general examinations with a scaled score of at least 50 are only acceptable toward requirements for the associate of applied science degree.

Subject Examination	Acceptable Scaled Score	Minimum Equivalent Course	Semester Credit Hours Awarded
Business			
Information Systems and Computer Applications	50	CMAP 1510	3
Principles of Management	50	MGT 2100	3
Financial Accounting	See Accounting Department		
Business Law	50	BADM 2210	3
Principles of Marketing	50	MKT 2100	3
Composition and Literature			
American Literature	50	ENGL 2310	3
Analyzing and Interpreting Literature	See English Department		
English Literature	50	ENGL 2210	3
*College Composition Modular	55	ENGL 1010	3
World Languages			
French – Level 1	41-49	FREN 1010	4
French – Level 2	50-56	FREN 1020	8
French – Level 3	57 & above	FREN 2030	12
German – Level 1	40-47	GERM 1010	4
German – Level 2	48-53	GERM 1020	8
German – Level 3	54 & above	GERM 2030	12
Spanish – Level 1	41-49	SPAN 1010	4
Spanish – Level 2	50-53	SPAN 1020	8
Spanish – Level 3	54 & above	SPAN 2030	12
History and Social Sciences			
#American Government	50	POLS 1000	3
Human Growth and Development			
Introduction to Educational Psychology	50	EDFC 2100	3
Principles of Macroeconomics	50	ECON 1010	3
Principles of Microeconomics	50	ECON 1020	3
Introductory Psychology	50	PSYC 1000	3
Introductory Sociology	50	SOC 1000	3
#US History I: Early Colonization to 1877	50	HIST 1211	3
#US History II: 1865 to Present	50	HIST 1221	3
Western Civilization I: Ancient Near East to 1648	50	HIST 1110	3
Western Civilization II: 1648 to Present	50	HIST 1120	3
Science and Mathematics			
Calculus	50	MATH 2200	5
College Algebra	50	MATH 1400	4
Precalculus	See Math Department		
Biology	50	BIOL 1010	4
Chemistry	50	CHEM 1025 CHEM 1028 CHEM 1035 CHEM 1038	8

Subject Examination	Acceptable Scaled Score	Minimum Equivalent Course	Semester Credit Hours Awarded
General Exam - General exams provide credit for applied degrees ONLY			
Humanities	50		6
College Math	50		6
Natural Sciences	50		6

* – The essay portion of the test is required and will be scored by Casper College English faculty.

– This credit will not meet the requirement for Wyoming Constitution. If credit is to be awarded the individual must pass the CLEP exam and the one credit Wyoming Constitution course. This still may not meet the requirements for the University of Wyoming.

International Baccalaureate

Subject	Min. Score	Casper College Course Number(s)	Credit Hours	Course Title
Adv. Math Subsid. Level	4+	MATH 2200 MATH 2205	8	Calculus I Calculus II
Social Anthropology SL	4+	ANTH 1200	3	Intro. Cultural Anthropology
Biology HL	4+	BIOL 1010	4	General Biology I
Biology SL	4+	BIOL 1000	4	Intro. Biology I
Chemistry HL	4	CHEM 1005	4	
Chemistry HL	5+	CHEM 1025, 1035	8	Chemistry I, Chemistry II
Chemistry SL	5+	CHEM 1005, 1006	4	Basic Chemistry I
Computer Science HL	4+	COSC 1010, 1030	8	Intro. to Computer Science I and II
Computer Science SL	4+	COSC 1010	4	Intro. to Computer Science I
Economics HL	5+	ECON 1010, 1020	6	Principles of Macroeconomics Principles of Microeconomics
English HL	4+	ENGL 1010	3	English Comp I
Environmental Systems	4+	BIOL 2400	3	General Ecology
French Language	4	FREN 1010	4	1st Yr French
French Language	5	FREN 1010, 1020	8	1st Yr French I 1st Yr French II
French Language	6/7	FREN 1010, 1020, and 2030	12	1st Yr French I 1st Yr French II 2nd Yr French I
German Language	4	GERM 1010	4	1st Yr German I
German Language	5	GERM 1010, 1020	8	1st Yr German I 1st Yr German II
German Language	6/7	GERM 1010, 1020, and 2030	12	1st Yr German I 1st Yr German II 2nd Yr German I
*History – American HL	4	HIST 1210, 1221	3-4	U.S. to 1865 and U.S. from 1865
Macroeconomics, Principles of	6/7	ECON 1010	3	Principles of Macroeconomics
Math Methods	4	MATH 1450	5	Algebra & Trigonometry
Math HL	4	MATH 2200, 2205	8	Algebra & Trigonometry Calculus I
Microeconomics, Principles of	6/7	ECON 1020	3	Principles of Microeconomics
Music HL	4	MUSC 1000	3	Introduction to Music
Music Theory SL	4+	MUSC 1000	3	Introduction to Music
Performance/Theatre Production HL	4+	THEA 2050	3	Theatre Practice

Subject	Min. Score	Casper College Course Number(s)	Credit Hours	Course Title
Philosophy HL	4+	PHIL 1000	3	Intro to Philosophy 1000
Physics HL	4	PHYS 1110, 1120	8	General Physics I General Physics II
Psychology SL	4+	PSYC 1000	3	General Psychology
Russian Language	4	RUSS 1010	4	1st Yr Russian I
Russian Language	5	RUSS 1010, 1020	8	1st Yr Russian I 1st Yr Russian II
Spanish Language	4	SPAN 1010	4	1st Yr Spanish I
Spanish Language	5	SPAN 1010, 1020	8	1st Yr Spanish I 1st Yr Spanish II
Spanish Language	6/7	SPAN 1010, 1020, and 2030	12	1st Yr Spanish I 1st Yr Spanish II 2nd Yr Spanish I

* Does not fulfill Wyoming Constitution requirements.

*** Must have official transcript from International Baccalaureate Program**

Military Service Credit

Casper College uses the American Council of Education's (ACE) Guide to the Evaluation of Educational Experiences in the Armed Services, to determine credit for military training and experience. ACE's National Guide to College Credit for Workforce Training is used to determine credit in exceptional cases. The college reserves the right to make an independent determination of equivalency of courses or to require departmental examinations and evaluations.

The college will grant one semester credit for physical education to students who present a Report of Discharge (DD Form 214) to the registrar establishing active duty of 181 days or more. Students who present such evidence for more than one year of active duty will be granted two semester credits.

Degree Requirements

Degrees Conferred

Casper College grants five types of degrees: associate of arts, associate of science, associate of business, associate of fine arts, and associate of applied science degrees. Certificates are also offered in many areas.

Application for Graduation

A candidate for graduation must file an application for graduation with the registrar by the published application for graduation deadline. A degree or certificate evaluation and an application for graduation should be completed and on file with the registrar before the candidate registers for the final semester. As part of the graduation application process, candidates will be asked to complete the proficiency profile, an assessment of general skills, in their final semester. Once the application for graduation is on file candidates will be contacted with details for completing the assessment.

Catalog Governing Graduation

Students are expected to fulfill the requirements for graduation stated in the catalog in effect at the time of their graduation. They may, however, elect to fulfill the requirements for graduation in the catalog in effect at the time they first enrolled as a degree-seeking student in their program if they have not interrupted that program for more than one year.

Institutional Requirements

To graduate from Casper College a student must:

1. Complete a minimum of 64 approved semester hours with a grade point average of 2.0 or better in those courses counted toward graduation.
2. Earn at least 24 of the semester hours applied toward graduation through the completion of Casper College coursework, including at least six hours within the desired major. The vice president for academic affairs may waive this requirement. .
3. Complete at least 15 of the last 30 semester hours applied toward graduation as a degree-seeking student at Casper College. The vice president for academic affairs may waive this requirement.
4. Complete at least one physical education activity course. The college will waive this requirement for any student who presents a physician's statement of medical restriction. No more than four semester credit hours in activity courses will count toward an associate degree.
5. Complete a course or pass a test on the U.S. and Wyoming Constitutions as required by the Wyoming statutes. Students may satisfy this requirement by completing one of the approved courses.
6. Complete the requirements for one of the five degrees listed in this section.
7. If the student is seeking a second associate degree, the student must complete all general and departmental degree requirements and 15 semester hours beyond the study requirement of the first degree.

General Education Philosophy Statement, General Education Outcomes, and General Education Requirements (GERs)

While education within a major field of study prepares each student to achieve success within a chosen vocation, general education provides the cornerstone of understanding in areas that prepare students for life. The goal of general education is to provide the skills necessary for one to be an educated member of society. Therefore, as a fundamental part of their education at Casper College, graduates are expected to possess the following core abilities, commonly termed general education outcomes:

Students will be able to...

1. Demonstrate effective oral and written communication
2. Use the scientific method
3. Solve problems using critical thinking and creativity
4. Demonstrate knowledge of diverse cultures and historical perspectives
5. Appreciate aesthetic and creative activities
6. Use appropriate technology and information to conduct research
7. Describe the value of personal, civic, and social responsibilities
8. Use quantitative analytical skills to evaluate and process numerical data

Although the general education outcomes may be achieved and assessed, either partially or entirely, in a variety of courses, the following general education requirements serve as a foundational set of course options in which to encounter and build toward those outcomes. Casper College may use anonymized student work to enhance our institutional assessment of general education outcomes.

Reasoning and Inquiry in Science Requirement

Courses used to satisfy the reasoning and inquiry in science requirement for graduation must be selected from the following departments or courses and must include a lab: astronomy (ASTR), atmospheric science (ATSC), biology (BIOL), chemistry (CHEM), environment and natural resources (ENR), geology (GEOL), GEOG 1010, life science (LIFE), molecular biology (MOLB), physics (PHYS), and zoology (ZOO).

As a result of completing general education courses in this area, students will be able to comprehend and to apply the basic principles of science and methods of scientific inquiry.

Math Computation Requirement

Courses used to satisfy the math computation requirement for graduation must be selected from the following departments or courses: BADM 1005 (AAS degree only), mathematics (MATH), and statistics (STAT).

As a result of completing general education courses in this area, students will be able to comprehend and to use quantitative concepts and methods to interpret and to critically evaluate data and to effectively problem solve in a variety of contexts demanding quantitative literacy.

Communication Requirement

Courses used to satisfy the communication requirement for graduation must be selected from the following departments or courses: BADM 1020, BOTK 1540, communications (CO/M), ENGL 1010, and ENGL 1020.

As a result of completing general education courses in this area, students will be able to effectively use the English language, writing and speaking with clarity, coherence, and persuasiveness.

Human Behavior Requirement

Courses used to satisfy the human behavior requirement for graduation must be selected from the following departments or courses: anthropology (ANTH), addictionology (ADDN), criminal justice (CRMJ), economics (ECON), GNDR 1000, geography (GEOG), history (HIST), political science (POLS), psychology (PSYC), and sociology (SOC).

The following courses can be used to satisfy the U.S. and Wyoming Constitutions requirement for graduation: HIST 1211, HIST 1221, HIST 1251, POLS 1000, POLS 1010. However, POLS 1010 does not meet the degree requirement at the University of Wyoming.

As a result of completing general education courses in this area, students will have developed a deeper understanding of the relation of self to world through investigation of the influence of social, cultural, economic, and political institutions in shaping human thought, value, and behavior.

Cultural Environment Requirement

Courses used to satisfy the cultural environment requirement for graduation must be selected from the following departments or courses: AAST 1000, art (ART), ASL 1200, ASL 1220, BADM 2050, BADM 2055, BADM 2060, BADM 2065, CO/M 2380, EDCI 2250, ENGL 2006, ENGL 2020, ENGL 2050, ENGL 2055, ENGL 2060, ENGL 2080, ENGL 2130, ENGL 2140, ENGL 2150, ENGL 2185, ENGL 2210, ENGL 2220, ENGL 2225, ENGL 2230, ENGL 2235, ENGL 2270, ENGL 2310, ENGL 2320, ENGL 2350, ENGL 2440, humanities (HUMN), INST 2350, philosophy (PHIL), music (MUSC) [a maximum of four credit hours in music studio and ensembles], POLS 2290, POLS 2460, RELI 1000, theater (THEA), WMST 1080, WMST 2020, WMST 2021, WMST 2025, WMST 2040, and world languages: French (FREN), German (GERM), Japanese (JAPN), Latin (LATN), Russian (RUSS), and Spanish (SPAN).

As a result of completing general education courses in the fine arts concentration area, students will have a deeper appreciation and understanding of the creative process, the pleasures and challenges of artistic expression, and the role and value of the fine arts in society and culture.

As a result of completing general education courses in the humanities concentration area, students will have a richer understanding of the human condition through investigation, appreciation, and evaluation of the aesthetic, historical, philosophical, and literary dimensions of human experience.

Physical Education Requirement

Courses used to satisfy the physical education requirement for graduation must be selected from the following departments or courses: physical education activity (PEAC).

Associate of Arts, Associate of Business, and Associate of Science Degree Requirements

Students seeking the associate of arts, associate of business or associate of science degree must complete a minimum of 32 hours in general education at the 1000 level or above, including at least one credit hour in physical education activity, and a course in the U.S. and Wyoming Constitutions. Students must fulfill the minimum course requirements of categories A, B, C, D, and E as listed below. Students must select the remainder of their general education from areas one, two, and/or three. Courses can be taken from within or outside the student's major field of study. These degrees are considered transfer degrees.

Category	Credit
1. Exploration and Participation	
A. Reasoning and Inquiry in Science (laboratory science)	4
B. Math Computation	3
2. Communication	
C. Communication	6
(ENGL 1010 and ENGL 1020)	
3. Relationship With the World	
D. Human Behavior	3
1. U.S. and Wyoming Constitutions course	3
E. Cultural Environment	3
4. General Education Electives	8-11
To be chosen from areas 1, 2, or 3 above.	
5. Physical Education	1-2
TOTAL GENERAL EDUCATION	32
(All credit hours must be 1000 level or above.)	
TOTAL MAJOR REQUIREMENTS	32
Approved by the academic department	
TOTAL MINIMUM DEGREE CREDITS	64

Associate of Fine Arts and Associate of Applied Science Degree Requirements

Students seeking the associate of fine arts or associate of applied science degree must complete a minimum of 17 hours in general education, including a minimum of one credit in physical education activity and a course in the U.S. and Wyoming Constitutions. Students must complete at least one course in each of the three general education areas listed below. Courses can be taken from within or outside the student's major field of study. These degrees are considered nontransfer degrees.

1. Exploration and Participation	1 course
A. Reasoning and Inquiry in Science (laboratory science)	
B. Math Computation	
2. Communication	
C. Communication	1 course
3. Relationship With the World	1 course
D. Human Behavior	
1. U.S. and Wyoming Constitutions course	
E. Cultural Environment	
4. General Education Electives	5-11 credits
To be chosen from areas 1, 2, or 3 above.	
5. Physical Education	1 course
TOTAL GENERAL EDUCATION	17 credits
TOTAL MAJOR REQUIREMENTS	47 credits
Approved by the academic department	
TOTAL MINIMUM DEGREE CREDITS	64

Certificate of Completion

Casper College is a degree-granting institution and all certificates derive from and are an integral part of our degree programs. To qualify for a certificate of completion a student must be enrolled as a degree-seeking student and complete, with a grade point average of 2.0 or better, one of the certificate programs listed under the various department curricula.

Campus Resources

Campus Resources

Bookstore

Student Union Building, first floor

307-268-2202 or bkstr.com/webapp/wcs/stores/servlet/StoreCatalogDisplay?storeId=10586&langId=-1&catalogId=10001

The Jack McCann College Store carries new and used textbooks, digital textbooks, school supplies, study aids, clothing, gift items, software, greeting cards, and snacks. The store is open Monday through Friday with additional evening hours at the beginning of the fall and spring semesters. To avoid long lines, students should purchase their books at least two weeks before classes start. Students may see the required book(s) for any course they are enrolled in by locating their schedule in WebAdvisor and clicking on the specific class.

Keep all receipts in case you need to return a book, and check with the store for information on their return policy. Textbooks may be bought back at the end of the semester, depending on need and condition of the book.

Campus Security

Strausner Hall, Room 204

307-268-2688 or caspercollege.edu/security

Students should feel free to contact campus security at any time they feel unsafe while on campus. Campus security officers are responsible for the security of college buildings and grounds and enforcement of traffic and parking regulations. They have the authority to quell disturbances, direct persons off college property, and enforce college policies, rules, and regulations including the Casper College Student Code of Conduct and housing, parking, and traffic regulations. They may require identification of any person on campus or search any areas owned or controlled by the college including personal effects. Officers may impound prohibited articles or order their owner's immediate removal from campus. Refusing to allow an officer to search an allowable area or interfering with a search may result in disciplinary action. Officers may ask to search a privately owned vehicle. The owner/operator may refuse the request; however, they may be required to remove the vehicle from campus, and their campus operating and parking privileges may be suspended.

Campus security has personnel on duty 24 hours a day, seven days a week, including holidays. They are CPR and automated external defibrillator (AED) trained. Officers will unlock vehicles and provide vehicle jump-starts and safety escorts.

Information about security on campus, including the Annual Security Report, Annual Fire Safety Report, Emergency Response Guide, and Daily Crime Log, which are posted in compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act can be obtained on the website at caspercollege.edu/security.

Early Childhood Learning Center

ECLC

307-268-2586 or caspercollege.edu/eclc

The Inga Thorson Early Childhood Learning Center (ECLC) is accredited by the National Academy of Early Childhood Programs and provides early childhood education and childcare services and parenting education programs, for members of the Casper College campus community. The staff works in partnership with the children's parents to nurture and encourage the children's physical, emotional, social, and educational development. The ECLC also serves as an educational laboratory site for students.

The ECLC can accommodate 52 children ages birth through 6 years and are a Department of Family Services enrolled provider. They are open from 7:30 a.m. to 6 p.m., Mondays through Fridays when school is in session. Fees vary according to the child's age and are available on the website. There is a $30 per semester registration fee and a $30 prepayment, which goes towards childcare costs.

* Per semester registration fees and prepayment are nonrefundable. Fees, prepayment, and rates are subject to change without notice.

Food Service

307-268-2126 or casperdining.sodexomyway.com

Food service is available in the Tobin Dining Hall and the Sub Connection, both located on the first floor of the Student Union and at the Doornbos Student Lounge Coffee Cart in Liesinger Hall and the Gateway Cafe on the third floor of the Walter H. Nolte Gateway Center. The Tobin Dining Hall serves 19 meals per week: three meals a day Monday through Friday and two meals on Saturday and Sunday. All locations offer homemade soups, salads, sandwiches, coffee, snacks, Starbucks coffees, and other beverages. Each year a student committee meets with the food service director to discuss menu suggestions. Sodexo, our food service provider, offers special occasion or holiday meals and catering.

There are several meal plan options or meals can be purchased with T-Bucks or cash. Meal plans are available for students who live in the residence hall or campus apartments or who commute to campus. There are also meal plans available for employees and community members. Residence Hall students must select a meal plan for their board. Fall semester meal plans begin the first day of classes through the last day of final exams. Spring semester plans begin the first day of classes through commencement. Food service is not available between semesters, during spring break, and on specific dates listed in the Residence Hall Terms and Conditions of Occupancy Handbook.

Meal plans, T-Bucks, and Flex Dollars are all loaded onto the student's ID card. Students present their ID in the Tobin Dining Hall to access meal plans or at any campus food facility to use T-Bucks and Flex Dollars. Residence Hall students must have a student ID by the first day of the semester. Visit the Sodexo website for meal plan options.

Library

307-268-2269 or caspercollege.edu/library

The Goodstein Foundation Library provides a 73,000-volume collection of books especially selected to serve Casper College students and faculty. More than 120 journals, magazines, and newspapers supplement this book collection. The library provides access via its website to 400 online databases, 250,000 e-books, and 40,000 electronic journals, magazines, and newspapers. They

also provide new fiction books in the McNaughton Collection, reserve collections (materials set aside for specific assignments), telecourse videos, and vending. Students and faculty have access to the holdings of libraries across Wyoming and the United States through interlibrary loan services.

Networked PC and iMac computer stations, photocopiers, scanners, fax, laptops, iPads, Chromebooks, and other devices are available for student use. There is soft seating and tables available for quiet study or group work. Study rooms may be booked from the library's website. The library provides an extensive program of library lectures in conjunction with various classes, and librarians are available for research consultations.

Western History Center

Goodstein Foundation Library, Room 203

307-268-2680 or caspercollege.edu/whc

The Western History Center acquires, preserves, arranges, describes, and provides public access to published and original documentary material of enduring historical value about Wyoming and the West, with a focus on Casper and central Wyoming. Public access is defined as physical arrangement and intellectual description and providing reference service. The center allows access, reference, and delivery services without compromising the preservation of the materials or the legal rights of the creators, donors, subjects, and owners of those materials.

Student Success Center

Walter H. Nolte Gateway Center, Room 350

307-268-2089 or caspercollege.edu/swiftkick

The Casper College Student Success Center is home to career services, disability support, the single parent program, and the Swift Kick program, which helps students get back on track. They provide the COMPASS (testing used to place students into math and English courses) and HiSET exam (used to earn a high school equivalency certification). They assist students with academic and career planning, test anxiety, general information, and the admissions process guidance.

ACT Testing

The American College Testing Program (ACT), which offers the test nationwide, has established the following dates for taking the test.

Fall Test Dates	Spring/Summer Test Dates
2nd Saturday in September	1st Saturday in February
Last Saturday in October	3rd Saturday in April
2nd Saturday in December	2nd Saturday in June

Registration deadlines and online registration can be accessed at act.org. Contact student success at 307-268-3315 for more information.

These test scores, along with a transcript from a high school or former college, assist the student and the advisor at registration in selecting a curriculum suited to ability. Casper College offers classes designed to meet academic deficiencies.

High School Equivalency Preparation

Werner Technical Center

307-268-2230 or caspercollege.edu/alc

The Adult Learning Center offers free assistance to out-of-school adult students, 16 years old and older, who need to improve their basic reading, writing, and math skills in order to reach their educational and employment goals. Educational services are available to speakers of other languages.

High School Equivalency Exams

Casper College offers the HiSET and the GED exams. Both exams provide a high school equivalency certification.

The HiSET exam measures knowledge and skills in five subject areas: language arts, reading, writing, mathematics, science, and social studies. It demonstrates that a test taker has attained the academic knowledge and proficiency equivalent to those of a high school graduate. The HiSET exam is administered at the student success center, located in the Walter H. Nolte Gateway Center, third floor, on Thursdays only. Students must pre-register online at hiset.ets.org before they can schedule to take the exam. Contact the student success center at 307-268-3315 for more information.

The Academic Testing Center, located in the Thorson Institute of Business, Room 120, administers the GED exam. Students must preregister at ged.com before they can take any of the four required exams. This site will list available testing times and dates and the student must make payment online when each exam appointment is scheduled. Exam preparation information is available at this site. Students do not need to take all four exams on the same day. Contact the Academic Testing Center at 307-268-3850 for more information.

Placement Testing (COMPASS Exam)

Walter H. Nolte Gateway Center, Room 350

307-268-2662

The COMPASS exam aids students and advisors in proper course placement and consists of two tests: writing and math. There is a $10 exam fee. Although each test is untimed, students should plan on two hours to complete the exam. Results are provided immediately after the student completes the exam.

The exam is administered on Monday, Tuesday, Wednesday, and Friday from 8 a.m.- 2 p.m. and on Thursday evenings by appointment only. All other listed times do not require an appointment. Students must bring a picture ID. Calculators are provided. To view sample questions, visit the COMPASS website at act.org/compass/sample.

Career Services

Walter H. Nolte Gateway Center, Room 350

307-268-2662 or caspercollege.edu/career

Career services can assist students in exploring educational and career goals, finding a job while attending college or after graduation, and can provide general advising for students who are uncertain of which major to choose. Employment-related services for students and graduates include job listings, internships, assistance with resume and cover letter development, and practice interviews. College transfer and study abroad information is available in the center's resource area.

Both on and off campus job listings are available on the career services website or in the office. Degree-seeking students in good standing and enrolled in at least six credits may apply for on-campus positions, which are available for up to 15 hours per week. Based on qualifications and job interests, students may apply directly to the supervisor listed in the job posting.

There are two funding sources, which enable students to work on-campus:

1. **Federal Work-Study (FWS):** Students must file the FAFSA (Free Application for Federal Student Aid) and meet income guidelines to be eligible for federally funded work-study. Eligibility is determined by the enrollment services office. See "Financial Assistance" (Federal Work-Study).
2. **Institutional:** Any eligible students may apply for institutional or college-funded positions.

Disability Services

Walter H. Nolte Gateway Center, Room 344

307-268-2557 or caspercollege.edu/accommodative

Students may request disability services under Section 504 of the Rehabilitation Act of 1973 or the Americans with Disabilities Act of 1990 by contacting the disability services counselor. They must provide eligibility documentation and meet with the disability services counselor to discuss qualification and services requested and complete a service agreement. Typically, the college needs at least 72 hours advanced planning to meet a request for services; however, a minimum of two weeks is needed if adaptive equipment or special service must be ordered.

Possible accommodations include extended time on a test, tests in a distraction free environment, scriber, spell checker, digital recorder, materials in an alternate format, books on tape, reader, sign language interpreter, priority seating, appropriate tables and chairs, smart pens, smart phones apps, iPad apps, etc.

Single Parent Program

Walter H. Nolte Gateway Center, third floor

307-268-2089

The Casper College Single Parent Program provides single parents with academic planning and guidance, information on navigating higher education, and financial resources to assist with attending college. Grants are available for qualifying students to cover tuition and offset the cost of textbooks. There is a textbook library where students may borrow books. Students must be single parents, registered for classes, and in good academic standing to receive financial assistance. Due to high demand, there is usually a waitlist. Contact the program staff to learn more and to access services. There may be financial assistance for other low-income eligible parents.

Campus Wellness Center

Counseling Services

Student Union Building, Room 215

307-268-2267 or caspercollege.edu/counseling

Dealing with depression, exploring relationship issues, adjusting to college, working through life transitions, and developing positive academic and personal skills are common concerns among college students. Professional counselors assist students in examining and resolving these and other difficulties that might interfere with educational and personal success. Assistance is available for personal growth and well-being, life and career planning, relationships, eating disorders, stress management, testing services, test anxiety, anxiety, depression, loss and grief, disability assistance, anger management, alcohol/drug abuse, selecting a major, and more.

The counselors offer individual, couple, family, and group counseling, along with consultations and crisis intervention. These services are free and confidential for currently enrolled students of Casper College, UW-Casper, and UND). Students who are not sure if these services are right for them, should talk with the counseling staff. They may be able to help, or refer students to someone who can.

Student Health Services

Student Union Building, second floor

307-268-2267 or caspercollege.edu/1stop/student_health_service.html

Student health services, located in the Student Union, provides physical exams, immunizations, some lab tests, strep throat tests, blood pressure monitoring, urinalysis, emergency first aid, office visits, coordination of medical care within the community, personal health education programs, and consultations for students. Most services are free or income-based. Students must present their student IDs to obtain services. There is a women's clinic on Wednesday afternoon and a general physician drop-in clinic on Wednesday evening from 5:30 to 8:30. Appointments are required for the women's clinic.

Student Activities

Intramural Sports Program

Student Union Building, Room 405

307-268-2638 or caspercollege.edu/student_activities

Intramural Sports offers recreational programs for Casper College and UW-Casper and UND students and employees and their spouses. Past offerings include men's and women's basketball, lap swimming, water aerobics, aerobics, bowling, golf, Putt-Putt golf, and coed softball, flag football, basketball and volleyball. Children under 17 may participate in the family fun events only.

Student Government

Student Union Building, third floor

307-268-2638 or caspercollege.edu/governance/student

Associated Students of Casper College (ASCC) Student Senate represents students on college policies, campus enhancements, and student activities, and they administer a portion of the per-credit student fees. Student senate is comprised of five executive officers elected by the student body and other members elected by their class or appointed through UW-Casper. Elections are held each fall for four freshman representative positions. Only degree-seeking, full-time students are eligible to hold an executive office. First-year freshman must have achieved a high school GPA of at least 2.0 or have met the specific national eligibility standard for their program. Student senators receive scholarships for holding office. The senate constitution and by-laws are available at the student government website.

Student Activities Board

Student Union Building, third floor

caspercollege.edu/student_activities

Any student who pays mandatory per credit student fees is eligible to participate on the Casper College Student Activities Board (SAB). Four elected members of student senate lead the SAB. Other SAB members are students appointed as chairs of specific committees that program events for the campus community. SAB organizes, advertises, and conducts programs such as dances, movie nights, special events, family fun events, games, and lectures. SAB programs supported by per-credit student fees are typically free but require a current student ID to participate.

T-Bird Nest

The T-Bird Nest located on the third floor of the Student Union is a gathering place for students, faculty, and staff. Student life holds events in the nest throughout the week, such as Friday Night Fever, movies, pool leagues, comedy nights, and open mic nights. Snacks are available for purchase. Hours of operation during fall and spring semester are Monday through Saturday, 7 p.m.- 11 p.m. and Sunday 6 p.m.- 10 p.m.

Honors Program

Strausner Hall, Room 203

307-268- 2379 or caspercollege.edu/honors

The Casper College Honors Program promotes a rigorous academic program for exceptionally talented and motivated students. Moved by the quest for truth, and with the goal of gaining a comprehensive view of the nature of thought, knowledge, and human understanding in an environment of creative interaction, honors students explore the fundamental ideas and values of human culture from a variety of disciplines. Moreover, students are challenged to develop and exercise their moral responsibilities, which include leadership, thoughtful self-governance, and social consciousness.

Service Learning

Goodstein Foundation Library, Room 214

307-268-2602 or caspercollege.edu/service_learning

The Casper College Center for Learning through Service is committed to developing and integrating a campus wide pedagogy that combines community service with classroom instruction, focusing on critical, reflective thinking as well as personal and civic responsibility. Community service is an integral part of Casper College students' education to prepare them to be lifelong learners, responsible community members, and productive citizens. Contact the Casper College Center for Learning through Service director at 307-268-2390 for more information.

Performing Arts

Gertrude Krampert Center for Theatre and Dance

Music Building

307-268-2606 or caspercollege.edu/theatre_dance

307-268-2606 or caspercollege.edu/music

Casper College offers performance arts opportunities in which to participate or attend including music, theatre, and dance. Productions range in style from Broadway musicals, to Shakespeare's comedies and tragedies, to modern comedies and dance concerts. Students do not need to major in music, theatre, or dance to participate. They should check the website for information about auditions and performances.

The department of theatre and dance provides opportunities for all students who are interested in theatre performance, tech and design, and dance performance. Events are presented in four spaces in the Gertrude Krampert Center for Theatre and Dance: the McMurry Mainstage, a 423-seat thrust theatre; the Thomas H. Empey Theatre, a 162-seat flexible performance space; the Ken Ury Little Theatre, a 45-seat theatre dedicated to student productions; and the Scifers Dance Performance Studio, a 130-seat flexible state-of-the-art dance performance theatre. Students get a variety of experience within these spaces. All registered students may participate.

The Casper College Music Department provides an variety of groups to participate in.

Concert Chorale. This mixed performance choir is an outstanding activity for students. Membership is by audition only. One credit per semester may be earned.

Men's Choir. Membership is open to all interested male students. This is a one-credit course.

Women's Choir. Membership is open to all interested female students. This is a one-credit course.

Concert Band. Membership is by audition only.

Orchestra. One credit per semester may be earned by participating.

Contemporary Singers. Membership is by audition only.

Percussion Ensemble. One credit may be earned per semester.

Jazz Ensemble. Membership is by audition only.

Brass Ensemble. Membership is by audition only.

Student Publications

Chinook: Liesinger Hall, Room 151B,

307-268-2375 or caspercollege.edu/chinook/index.html

Students publish and manage the student newspaper, Chinook, named after the warm wind that frequently blows in this area.

Expression: Strausner Hall, Room 105

307-268-2511 or caspercollege.edu/expression

Expression, a literary magazine, is an annual publication of short stories, poems, essays, music, and artwork.

Student Organizations

- Assoc. of Dance Performance Students of Casper College (The Flight)
- Assoc. of Theatre Perf. & Tech. Students of CC (The Bakkhai)
- Baptist Collegiate Ministries of Casper College
- Campus Ventures
- Campus Democrats
- Casper College Fire Science Club
- Casper College Fitting & Showing Club
- Casper College French Club
- Casper College Geology Club
- Casper College Livestock Judging Club
- Casper College Student Nurses' Association
- Casper College Student Pharmacy Association
- Casper College Student Society for the Visual Arts
- Casper College Students in Free Enterprise
- Casper College Welding Club and Auto Body Club
- Ceramics Club
- Criminal Justice Club
- International Students Club
- Oil City Ag Club
- Occupational Therapy Assistance Club (OTA)
- Opera Club
- Phi Rho Pi (Forensics)
- Phi Theta Kappa-Zeta Alpha Chapter (PTK)
- Ropin' n' Riggin' Rodeo Club
- Shanklin Travers Addictionology Resource Society of CC (STARS)
- Student Association of Respiratory Care (SARC)
- Student Radiography Association
- Technical Education Collegiate Association (TECA)
- Veterans Club

Forensics (Competitive Speech)

Gertrude Krampert Center for Theatre and Dance

307-268-2496 or caspercollege.edu/communication

Intercollegiate competition is central to the forensics program. Students receive systematic and careful instruction in preparation for regional, national, and international tournament competitions. Any qualified student may participate on the forensics team.

Fitness

Aerobic activities are offered each semester. Free YMCA swim passes are available at the college center main desk. Free family swims and family recreation programs are offered for students with children. Contact the student activities office for more information.

Intercollegiate Athletics

307-268-2667 or tbirds.cc

Athletic programs can be a vital and integral part of a student's educational experience. Athletics develops teambuilding, leadership, and self-discipline skills. Competitive sports include men's and women's basketball and rodeo and women's volleyball. The Thunderbirds are members of the National Junior College Athletic Association (NJCAA) and the National Intercollegiate Rodeo Association (NIRA).

Men's Basketball

Casper College schedules games with other community colleges in Wyoming and surrounding states. The Thunderbirds have a much deserved national reputation in basketball and a loyal following in the community.

Casper College competes in Region IX for the right to play in the national junior college tournament. The Thunderbirds have made 11 trips to the national tournament as regional champions and have placed as high as second in the nation.

Women's Basketball

The Thunderbird women's team is a perennial Region IX power and has made eight trips to the national tournament, finishing as high as third in 1996 and fourth in 2010. In 2013, the T-Birds were honored as an Academic All-American team and are coming off from another 20-win season.

Women's Volleyball

The Thunderbird volleyball team is recognized as one of the top junior college programs in the country. Over the past eight seasons, Casper has won three regional championships and has been ranked consistently in the nation's top 25.

Rodeo

Casper College competes in the Central Rocky Mountain Region of NIRA. Rodeo is a varsity athletic program at Casper College. The T-Birds practice and compete in facilities at the Central Wyoming Fairgrounds, including the indoor arena. Casper College has one of the most storied programs in college rodeo.

In 1963, Casper College became the first junior college to win the national intercollegiate championship. By winning the national championship in 1964, 1965, and 1966, Casper College became the first college in history to win the national championship for four consecutive years.

Livestock Judging

The livestock judging team is an important part of the Casper College Agricultural Department. The team is restricted to students enrolled in a livestock judging class. Any interested student may enroll in the course and become eligible for the team, regardless of prior experience. The training necessary to compete is taught as a part of the regular course content. The course is individualized, considering each participant's level of competence.

The team competes on the local, regional, and national levels, and has been successful, winning numerous awards at all levels of competition. Contact the agriculture department for more information.

Student Resources

Campus Housing

Residence Hall and Wheeler Terrace

Campus housing is provided in the Residence Hall and Wheeler Terrace for full-time (12 hour), unmarried degree-seeking students. Both are three-story buildings providing ready access to the centers of campus activity. Casper College recommends the on-campus living experience as an integral part of the total educational process but does not require students to live in campus housing.

Students residing in the Residence Hall are expected to behave responsibly. Existing regulations set the foundation for an educationally sound atmosphere within the building and on campus. Students are allowed to regulate their own hours; no curfew is imposed. Each student receives a building key.

Students who live in the Residence Hall are required to purchase a cafeteria meal plan. Wheeler Terrace residents are not required to purchase a meal plan, but may if they choose.

A $200 deposit must accompany each application for Residence Hall reservations. Contact the student life director for reservation deposits and campus housing information.

See the "Payments" section for housing payment information.

Single Student Apartments

Civic Apartments include 12 one-bedroom unfinished apartments, which are available for people who are 23 years old or older. Up to two people may live in an apartment, which rents for $600 per month. Thorson Terrace Apartments include eight one-bedroom apartments that rent for $600 per month, including utilities, Internet service, and local telephone service. Thorson apartments are furnished, but occupants must provide their own utensils, dishes, bedding, and linen. The applicant's age, record of responsibility, and class status are considered when assigning apartments. A $200 damage deposit is required.

* Housing costs are subject to change without notice.

Academic Testing Center

Thorson Institute of Business, Room 120

307-268-3850 or caspercollege.edu/testing

The Academic Testing Center (ATC) offers a secure, proctored environment for a range of testing needs. The ATC offers make-up exams and proctored exams for some Casper College courses and ATI nursing exams. Call or email to make an appointment at least 24 hours in advance. Current hours, policies, and additional information are available on their website. Students must present a valid photo ID that includes their signature or current student ID to be admitted for testing. The ATC is a National College Testing Association certified test center.

Computer Laboratories

There are Windows and Mac computer labs available on campus for general student access, and there are several departmental computer labs. Consult a department member to determine departmental computer lab availability. Computer labs have word processing, spreadsheet and database software, and Internet access. Software used for specific disciplines is available in certain labs.

Computer, Internet, and Network Resources

Liesinger Hall, Room 3

Information Help Desk located on the lower level of the Goodstein Foundation Library.

307-268-3648 or caspercollege.edu/doit

The college provides computer, Internet, and network resources to support educational purposes only. Commercial use is prohibited. Users are expected to comply with college policies and local, state, and federal laws. Computer resources are the property of Casper College; the college may restrict their use. Qualified users include Casper College, UW-Casper, and UND students, faculty, and staff. The unauthorized use of computer resources violates Wyoming state and U.S. federal law and college policies. Students, faculty, or staff should not use, access, or attempt to access unauthorized accounts, passwords, or computer resources.

Digital Learning Center

Liesinger Hall, Room 132

307-268-3882 or caspercollege.edu/dlc

Distance education refers to courses offered outside of a traditional classroom setting using a variety of delivery technologies. These courses conform to the standard college instructional calendar and provide flexible scheduling options and the opportunity to participate from convenient locations.

Casper College offers online and hybrid courses. Online courses are taught entirely over the Internet and identified as section N1, N2, etc. and NET under the delivery mode. Hybrid courses are a combination of online and in-class instruction, reducing in-class time. They are identified as section H1, H2, etc. and LAL and NET under delivery mode. Students should check with their instructors for more information. Online and hybrid courses require the same prerequisites, admissions and registration procedures, and learning objectives as on-campus courses. Students participating in online coursework are required to have Internet access. Proctored exams may be required for some courses.

Mathematics Learning Center

Wold Physical Science Center, Room 104

307-266-3847 or caspercollege.edu/mathematics

The Mathematics Learning Center is available to all students. The center's supervisor and student tutors are available for assistance. Electronic media including video and microcomputers are available and they have computer software for tutorial instruction, drills, and practice. Calculators are available for rent on a semester basis for a small fee. The center operates on a drop-in basis; check their website for hours of operation.

SMARTHINKING

Casper College offers SMARTHINKING, an online tutor service open to all students. Available subjects include accounting, economics, statistics, chemistry, organic chemistry, biology, physics, introductory finance, and Spanish. Live help is available for writing and math. Log into caspercollege.edu/dlc and click on the "smarthinking" link to access the site.

Writing Center

Strausner Hall, Room 215

307-268-2610 or caspercollege.edu/writing_center

The Casper College Writing Center is a resource for students, faculty, staff, UW-Casper and affiliated institutions, and Casper residents. Trained writing assistants work with authors on writing projects in all disciplines and personal projects such as business and professional correspondence, poetry, fiction, and other genres. Peer, faculty, and community volunteers use a variety of strategies to assist at any stage of a writing project, from generating materials to drafting, revising, and editing of the final version. Casper College Writing Center resources include textbooks, professional journals, and teacher preparation materials about writing in all disciplines, plus information on markets and contests for writers. Casper College Writing Center services are free.

Notary Public

A notary public is available to all students and those who need notarized signatures for completion of official documents. Students are encouraged to take advantage of this free service at the accounting and financial management office.

Student Health Insurance

All students are encouraged to have health insurance while attending Casper College. Some programs require health insurance. Students may purchase an accident and sickness insurance plan from Student Assurance Services. This plan is open to all students taking three or more credit hours per semester. For more information, enrollment materials, and registration go to sas-mn.com or pick up a brochure from student services or the wellness center. Students who come from countries without a national insurance plan can purchase Casper College's International Student Insurance through Student Insurance Services, which covers repatriation expenses. Contact enrollment services at 307-268-2220 for more information.

The college's insurance policy does not cover students' property damage/loss claims, unless college negligence is proven. Students may wish to purchase renter's insurance or check with their family's insurance agent to determine if added coverage is necessary.

Student Identification Cards

Walter H. Nolte Gateway Center, third floor

Casper College issues student identification cards to any student enrolled in a Casper College or affiliated institution credit course who pays the college's mandatory student fees. A student ID card is required for admittance to college-sponsored activities, library services, and it is used to identify students within the college's information system and records. Students can use the card to get free access to many campus events and services. Student ID cards are available in enrollment services. There is a fee for replacement ID cards.

GEAR UP

Strausner Hall

GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs) is a federal grant program designed to increase the number of at risk youth who enter into and succeed in post-secondary education. Casper's GEAR UP program serves seventh to 12th grade Natrona County youth and their parents. GEAR UP focuses on enhancing already existing youth services through partnerships and networks in local communities. GEAR UP programs are located at each of Wyoming's community college campuses and on the University of Wyoming campus.

Student Financial Assistance

Student Financial Assistance

Walter H. Nolte Gateway Center, third floor

307-268-2323 or caspercollege.edu/enrollment_services

Casper College's Enrollment Services administers and coordinates institutional, state, federal, and private financial assistance programs for qualified students including scholarships, grants, loans, and student employment based on merit and income. Awards recognize scholastic achievement, assist low-income students, and provide funding so students can reach their graduation goals. Contact enrollment services for detailed information on all financial aid programs. Financial aid policies and procedures may change without notice.

Enrollment Requirements for Federal Aid Eligibility

1. Enrollment Status: Students must be fully admitted and enrolled as degree-seeking students in an approved degree or certificate program to be eligible to be considered for federal aid. In addition, loan applicants must be enrolled in at least six credit hours approved for federal funding.
2. Dual-enrolled Students: Students enrolled in two or more institutions simultaneously can only receive federal funding from one of them. Generally the institution from which the student wishes to earn their degree should be the home institution. The student would then complete the home institution's consortium form so all hours from all institutions can be considered for aid funding.
3. Census Date: Generally the 10th class day of each semester (fifth for summer) is the official census date. Students need to have their classes finalized by this date as aid awards will be recalculated and aid increased, reduced, or canceled as necessary (see section on "Withdrawing and Nonattendance: Impact of Financial Assistance").

Federal Student Financial Assistance Programs

Eligibility for most federal student aid programs is limited to fully admitted, degree-seeking students with documented financial need who meet academic and satisfactory progress requirements. A student who is in default on a federal student loan or owes a repayment to any institution for funds received under Title IV federal programs is not eligible to receive Title IV federal funds at any school until those funds are repaid or satisfactory repayment provisions have been met. Following are descriptions of the federal programs available to Casper College students. For more information, go to caspercollege.edu/financial_aid with links to the Department of Education.

To apply for federal grants, loans, or work-study, students must complete the FAFSA (Free Application for Federal Student Aid). Additional steps are required for loans and work-study. The FAFSA form is available at caspercollege.edu/financial_aid. Students who do not have Internet access should contact enrollment services or their high school guidance offices for assistance. Students must complete a new FAFSA each year.

Students should apply for federal aid early. Typically, March 1 is our priority due date. Documents received prior to this date will have priority consideration.

Grant Programs

The Federal Pell Grant is a federal aid program, to which aid from other federal and nonfederal sources might be added. Eligibility is based on the federal calculation of need and students apply by submitting a completed FAFSA. The program is for qualified undergraduates. The federal government establishes the dollar limit for the Pell Grant program each year.

Federal Supplemental Educational Opportunity Grant (FSEOG) is a limited-fund grant awarded to undergraduates with specific financial need requirements.

Federal Work-Study (FWS)

This is a limited, need-based program. Students may work up to 15 hours per week. Most positions are on-campus. Enrollment Services determines eligibility and the Career Center completes placement.

Federal Direct Stafford Loan

These are loans made directly to students. Repayment of the loan principal is deferred until the borrower either completes an education program or ceases to be enrolled for at least half time. There is a multi-step process for first-time borrowers. The FAFSA is the primary application form. A master promissory note (MPN) and entrance loan counseling are required and available on the Casper College financial aid website under the "Loan" link. Students must complete a student loan request each year.

Federal Direct Parent Loan for Undergraduate Students (PLUS)

Parents may be able borrow for a dependent student. Repayment begins within 60 days for a parent. Applications are available at caspercollege.edu/financial_aid under the "Loan" link.

Standards of Satisfactory Progress for Federal Student Financial Aid

In accordance with Title IV of the Higher Education Act of 1965 and all relevant amendments, students receiving federal assistance, (i.e. Pell Grants, Stafford Loans, Federal Work-Study, etc.) must meet and maintain academic and satisfactory progress standards each term to remain eligible to receive assistance. Although the following information lists the main standards that must be evaluated, students should check with enrollment services for current standards, as they are subject to revision. Standards are evaluated at the end of each term.

This evaluation includes all terms attempted regardless of whether or not the student received financial assistance.

1. Grade Point Average (GPA): Students must maintain a cumulative GPA of 2.0 or higher.
2. Pace: Students must successfully complete on a cumulative basis at least 67 percent of the courses they attempt. Satisfactory progress ratios are calculated by dividing hours earned by hours attempted. For example, if 12 hours are attempted and nine hours are earned, the ratio is 9/12 = 75 percent. Grades of A, B, C, D and S qualify as earned and attempted hours. Audits, incompletes, withdrawals, drops, F and U grades are attempted hours but are not earned. Repeat courses count as attempted each try, but count as earned only once. Additional restrictions exist on multiple repeats.
3. Maximum Hours Attempted (maximum time frame): Federal regulations require students to complete their program of study within a reasonable time frame, which is defined as 1½ times the minimum credit hours required to complete a program. For programs requiring 64 credit hours, the regulations would allow up to 96 credit hours attempted. The student should determine the number of credit hours required for their selected program. All hours attempted are counted, whether on aid or not. A transfer student's hours earned at other schools are included. If at any point it is determined that the student can no longer complete his or her program by the maximum hours, the student is deemed ineligible for federal assistance.

Eligibility Status

Satisfactory: Satisfactory status is achieved when all standards of academic progress are being met or when a student is meeting the requirements established under an individual academic action plan.

Financial Aid Warning: A student on financial aid warning may receive Title IV funds (possibly lose other assistance) for one payment period. During this period, the student must meet the required standards to avoid financial aid suspension.

Financial Aid Probation: A status assigned by the institution to a student who fails to make satisfactory academic progress and who has appealed and has had eligibility for aid reinstated under the conditions of an individual academic action plan.

Financial Aid Suspension: Students on financial aid suspension are ineligible to receive Title IV federal assistance.

Mitigating Circumstances

Federal regulations allow students whose failure to meet the required standards was caused by 1) the death of a relative of the student; 2) an injury or illness of the student; or 3) other significant extenuating circumstances, to submit a written appeal for reconsideration by the college. Circumstances need to be of sufficient magnitude and generally outside of the student's control. If approved, an academic action plan will be established for the student. The student must agree to and meet the requirements of the action plan, until they are once again meeting the overall standards of progress requirements. The request for reinstatement of financial aid form is available from enrollment services.

Withdrawing and Nonattendance: Impact on Federal Financial Assistance

Students who alter their enrollment status (drop or add courses) during a semester are subject to having their federal financial assistance eligibility recalculated, and could be required to return some, if not all, of their federal assistance. Students should review the following explanations carefully.

1. Enrollment Changes Prior to the Census Date
   A student's official enrollment status is measured at the end of the 10th class day of each semester (the fifth day for summer session) term. This is the "census date." Previously offered assistance for the term will be reevaluated and will either be increased, decreased, canceled, or left unchanged based on the student's status as of the census date. An increase in hours after this date cannot reinstate certain types of assistance lost because of inadequate enrollment on the census date. New awards calculated after the census dates are based on the student's actual enrollment status as of the date of the calculation.
2. Nonattendance
   Students must attend classes to be eligible for federal assistance. Students who fail to initiate attendance in some or all courses, must have their eligibility for federal assistance recalculated, excluding those courses, regardless of the student's enrollment status. Students who never attend class must return all over-awarded funds. Students who claim federal funds and never attend class are subject to referral to the Office of the Inspector General of the United States Department of Education for possible federal fraud investigation. Written examples of return of funds calculations are available at enrollment services. Enrollment services reserves the right to modify or change the above policy as necessary. Return of funds regulations for students with Title IV federal funds are provided by 34 CFR 668.22.
3. Dropping Out, Withdrawing or Expulsion
   Students who unofficially withdraw (drop out, walk away, etc.), officially withdraw, or are expelled, will have the percentage of aid earned (the amount of federal assistance the student can keep) calculated based on the percentage of the term actually completed. For example, if a student completes only 20 percent of a term, 20 percent of their aid is considered earned and 80 percent is considered unearned and subject to return. The date used to calculate this percentage is the official withdrawal date, or for those who unofficially withdraw it is either the mid-point of the term (50 percent return) or the last day the student participated in a documented, academically related activity. Students who withdraw after completing at least 60 percent of the term are considered to have earned 100 percent of their federal assistance. (Students are still subject to the standards of progress evaluation.)

Verification Policies and Procedures for Federal Student Aid Applications

An applicant will be required to verify or validate, by documentation, FAFSA application information, if enrollment services has reason to believe that any of the information critical to the calculation of the student's expected family contribution (EFC) is inaccurate, or if the application information is in conflict with other information. Enrollment services will notify the applicant if their application is selected for verification. The notice will specify what information must be verified and what documents and procedures are required for verification. It will specify the period within which the applicant shall provide the required documentation and advise the applicant of the consequences of the applicant's failure to comply within the specified period. The period granted to the applicant for completion of required documentation may vary with the complexity of the requirements and the time remaining in the school term for which funding is sought. Normally, the student is afforded 30 days from the request date to provide verification documents to enrollment services.

Generally, the deadline for submission of verification documents must be at least 30 days prior to the end of the school term for which funding is sought to allow for processing and correction. Should the applicant fail to provide the required documentation within the specified period, the application is considered invalid and will forfeit assistance eligibility from Federal Title IV student aid programs for the program year for which the invalid application was filed.

If the verification documents are provided within the specified period and confirm the accuracy of all application items requiring verification, and if all other requirements have been met, the applicant will be notified by mail. If the verification documents reveal inaccuracies, the "Student Aid Report/Institutional Student Information Report" (SAR/ISIR) will be corrected and submitted electronically for reprocessing. If incomplete or inadequate verification documents are submitted, the applicant will be notified and instructed on how to correct any deficiencies. Enrollment services must refer any applicant to the Office of the Inspector General of the United States Department of Education for investigation if a review of an application for Title IV student aid indicates that the applicant may have engaged in fraud or other criminal misconduct in connection with his or her application. Examples include, but are not limited to, false claims of independent student status, false claims of citizenship, use of false identities, forgery of signatures or certificates, and false statements of income.

Scholarships

Casper College Scholarships

Casper College administers and coordinates state, institutional, foundation, private agency, service club, and individual scholarships. Scholarship information, including specific criteria, application requirements, and deadline dates are available on the STARS application portal. Students may apply for scholarships January 1 - March 1 for fall semester and October 1 - November 15 for spring semester by visiting caspercollege.edu/stars. For more information, contact enrollment services.

Scholarship Guidelines

Scholarship awards are intended to recognize academic and other achievements, to encourage such performance, and to assist as many qualified degree seeking students as possible.

Tuition Awards Policy

Students may accept only one tuition scholarship. If a student is awarded more than one scholarship designated for tuition only, they must choose between the awards (unless otherwise noted). Scholarships not specifically for tuition and fees may be used towards any educational expenses.

Total Award Limits

Generally, the total assistance a student may receive involving any combination of institution-controlled funds is limited to that student's standard cost of attendance at Casper College. These standard budgets are established each year according to rules governing the federal Title IV financial aid programs.

Recovery of Funds

Casper College reserves the right to recover funds from students who receive scholarship funds and subsequently drop out, withdraw, or fail to attend courses throughout the semester. Students that receive scholarships or other sources of financial aid are responsible for knowing the standards to receive and retain specific types of aid.

Maintaining Eligibility

The different types of scholarships require varying conditions to maintain each scholarship. Students should visit with the enrollment services office to see what requirements are needed to maintain their individual scholarships before they withdraw or change courses. The majority of Casper College scholarships are reviewed at the end of each semester for standards of progress.

Grade Point Averages

All grade point benchmarks in the scholarship descriptions are based on a 4.0 scale.

Available Funds

Activities Scholarship

Scholarships are awarded through selection by coaches or sponsors in the following activities. All scholarships are subject to the "Scholarship Guidelines." The coach or sponsor stipulates award amounts. Maintenance of eligibility and prescribed participation level are required to keep the award. They are not guaranteed renewable, but reapplication is permitted.

- Basketball, Men's: Dan Russell
- Basketball, Women's: Dwight Gunnare
- Chinook Newspaper: Peter Van Houten
- Expression Magazine: Terry Rasmussen
- Forensics: Doug Hall
- Journalism: Peter Van Houten
- Livestock Judging: Jeremy L. Burkett
- Music: Kristen Lenth
- Rodeo: Tom Parker
- Student Government: Kim Byrd
- Student Activities Board: Barb Meryhew
- Theatre and Dance: William Conte
- Visual Arts: Mike Olson
- Volleyball: Angel Sharman

Academic Scholarships

Scholarships are awarded through nomination or application processes for the following academic areas. All scholarships are subject to the "Scholarship Guidelines." The award amounts vary depending on GPA and hours enrolled. Maintenance of eligibility and prescribed participation level are required to keep the award. They are not guaranteed renewable, but reapplication is permitted.

- Casper College Academic Scholarship
- Casper College Achievement Scholarship
- Casper College Advancement Scholarship
- Casper College Enrichment Scholarship
- Casper College Opportunity Scholarship
- Casper College Trustee Scholarship
- Dick Means Scholarship
- WUE Difference Scholarship
- General Education Development (GED) Scholarship requires an average GED score of 550 with a sub score no lower than 500.

Foundation Scholarships

Casper College has numerous scholarships that are provided by the generous support of donors through the Casper College Foundation. Scholarship information, including specific criteria, application requirements, and deadline dates are available on the STARS application portal. Students can apply for scholarships January 15 - March 15 by visiting caspercollege.edu/stars. Contact enrollment services for more information.

State Funded Scholarships

The following scholarships are provided through support from the State of Wyoming. All are subject to the "Scholarship Guidelines."

Hathaway Scholarships: Hathaway provides up to eight semesters of merit and need-based awards to eligible Wyoming students. The Free Application for Federal Student Aid (FAFSA) is used to determine need (the FAFSA is not required for merit Hathaway). Four merit categories varying from $1680 to $3360 per year are available to graduates of eligible Wyoming high schools, high school equivalency certificate (GED or HiSET), and home schooled students, all of whom must meet specific Hathaway success curriculum eligibility requirements.

- **Honors** $1680 per semester, minimum GPA 3.5 and ACT score of 25 or better.
- **Performance** $1260 per semester, minimum GPA 3.0 and ACT score of 21 or better.
- **Opportunity** $840 per semester, minimum GPA 2.5 and ACT score of 19 or better.
- **Provisional Opportunity** $840 per semester, minimum GPA 2.5 & ACT score of 17 or WorkKeys score of 12 or better. NOTE: Provisional Opportunity Hathaway must initially be used at a community college. An additional four full-time semesters are available at a community college or UW if the student earns a certificate or degree.

Hathaway is available for the equivalent of four full-time semesters (two years) at a community college and four full-time semesters at the University of Wyoming. Continuous enrollment is required. Students may request an extension of the Hathaway if they are entering an eligible professional program. Contact the Hathaway coordinator to request the form. Visit caspercollege.edu/financial_aid/hathaway for more details on the "Success Curriculum Requirements" tab. The Success Curriculum for Wyoming 2016 high school graduates changed from what is required for 2011 through 2015 graduates.

Maintenance requirements include a minimum 2.5 Hathaway GPA for Honors and Performance recipients and 2.25 for Opportunity and Provisional Opportunity. Recipients must complete six hours per semester if paid Hathaway part time, 12 if paid full time. Remedial courses do not count towards Hathaway GPA, hours, or payment. Hathaway scholarships can be earned back depending on original payment and timeframe. For more information or for an application, contact enrollment services or check online at caspercollege.edu/financial_aid/hathaway

Combat Veterans and Surviving Spouses/Dependents Tuition Benefit: Consists of the Wyoming Vietnam Veterans, Overseas Combat Veterans, Combat Veterans Surviving Spouse, and the Combat Veteran Surviving Orphan programs. Wyoming residency is a consideration for all four parts. Special application is required with a copy of DD-214 or DD-215. Contact enrollment services for more details.

County Commissioners Scholarship: Student must have a cumulative GPA of 2.5 and apply in the county in which the student lives.

EMT, Firefighter and Peace Officers Surviving Dependents Tuition Awards: Authorized by the Wyoming State Legislature, these awards will have special application and eligibility requirements. Contact enrollment services for more information.

Wyoming Quality Counts: Wyoming Quality Counts Scholarship is available to current degree-seeking students at Casper College who work in a licensed childcare center.

Private Agency and Service Club Scholarships

Many outside organizations have provided applications for Casper College degree-seeking students. For the most current list, go to caspercollege.edu/financial_aid/scholarships. All scholarships are subject to the "Scholarship Guidelines."

Other Financial Assistance Programs

Martha Vucurevich Trust Scholarship is available to KWHS and NCHS graduates with a cumulative GPA of 2.5 or better. The awarded amount varies. Students apply online through the scholarship portal at caspercollege.edu/stars.

Richardson Scholarship is available to graduates of Casper and Cheyenne public high schools. This scholarship provides awards based on financial need for up to six semesters at Casper College or a combined total of eight semesters at Casper College and the University of Wyoming. It requires a 2.0 GPA for consideration and at least 12 graduation credits attempted. Students must maintain a 2.0 GPA and complete 24 hours each year for continued eligibility. Students can use Hathaway and Richardson together. Note: students must file the Free Application for Federal Student Aid (FAFSA) each year to apply for this award annually.

Student Employment Programs: Employment opportunities available include the Work-Study Program, on-campus departmental positions, and community part-time employment. Students interested in working on or off campus, should register for employment consideration with the career center.

College Loan Funds: Casper College has short-term loan funds available. Consult with accounting and financial management about the procedures required to qualify for a short-term loan.

Veterans Benefits: Talk with the Casper College veteran coordinator before you obligate yourself to a specific chapter of the GI Bill. The coordinator can assist you in selecting the chapter and combination of benefits that will help you meet your educational goals and provide the best financial support during your enrollment. Enrollment services assists the Department of Veterans' Affairs (VA) in providing certification for the following education benefits.

- Chapter 30 (Montgomery G.I. Bill)
- Chapter 31 (Vocational Rehabilitation)
- Chapter 33 (Post-9/11 G.I. Bill) for veteran and dependent
- Chapter 35 (Dependents Educational Assistance)
- Under Title 10, U.S. Code
- Chapter 1606 (Selected Reserve/National Guard Members)
- Chapter 1607 REAP (Reserve Education Assistance Program)
- Wyoming National Guard Tuition Assistance
- Combat Veterans and Surviving Spouses/Dependents Tuition Benefit

Visit caspercollege.edu/financial_aid/veterans.html for the required paperwork and veteran coordinator contact information.

Continuing Education

Continuing Education

Continuing education is the outreach branch of the college. Training and learning opportunities for business and industry and individuals are offered through the Adult Learning Center, camps, Center for Training and Development, Community Education Department, and the Osher Lifelong Learning Institute.

Adult Learning Center

The Adult Learning Center provides adults an opportunity to improve their basic reading, writing, and arithmetic skills. Small group and individual instruction is available during the day and evening at no cost. English as a second language (ESL) classes for non-native speakers of English are available, as well as classes for those seeking U.S. citizenship.

Pretesting and study programs are available for adults preparing for high school equivalency exams. Casper College is a GED and HiSET testing center and arrangements for testing can be made with a testing specialist.

Camps

For 30 years Casper College has offered the Knowledge Enrichment for Youth (KEY) program each summer. KEY is a one-week residential program for youth with special abilities and talents (academic, intellectual, creative, visual, or performing arts) who will be entering the sixth or seventh grade in the fall. Three, week-long sessions are offered each year. Each week, 128 youths from around Wyoming and adjoining states attend KEY camp.

KEY offers unique experiences for youth in science, computers, visual and performing arts, and history. Excellent instructors teach and direct special projects in these areas and specially selected counselors provide supervision and activities during nonclass times.

Center for Training and Development

The Center for Training and Development at Casper College provides customized training, professional development, continuing education units (CEU), institutes, workshops, and conferences. Services and programs are available to businesses and industry, nonprofits, and governmental organizations of all sizes. Programs are delivered at a time and location that meets the needs of the contracting organization. The cost of services are negotiated on an individual contract basis with clients.

Community Education

Community education offers fun, educational, and general interest courses. People of all ages take classes in the areas of arts and crafts, fitness, dance, cooking, personal finance, recreation, computers, and more. Classes range in length from one meeting for a few hours to multiple meetings over several weeks. New and exciting classes are being offered all of the time.

Osher Lifelong Learning Institute

The Osher Lifelong Learning Institute (OLLI) at Casper College is a program for adults age 50+ who wish to continue learning in a relaxed atmosphere, without entrance requirements, grades, or exams. Supported by the Bernard Osher Foundation, OLLI is a vibrant learning community offering a rich array of noncredit, academic courses, field trips, and lectures of particular interest to mature adults. A college background is not needed to participate. OLLI members enjoy meeting new friends with similar interests, interesting classes, and lifelong learning.

University of Wyoming at Casper

Serving Casper for More Than 30 Years

In 1976, the University of Wyoming and Casper College pioneered a new era in the delivery of higher education in central Wyoming by forming a partnership to create the University of Wyoming at Casper. Using the personnel, services, and facilities of both institutions, students are able to earn a variety of bachelor's and master's degrees. Approximately 700 students enroll in UW courses through UW-Casper each semester, and more than 3,000 students have received their UW degrees. Part of the Outreach School, UW-Casper is the location in central Wyoming at which students have access to UW statewide degree programs and courses.

UW's branch campus in Casper was established to meet the needs of students unable to move to Laramie, Wyoming. These students tend to be nontraditional students who may be older or have families, homes, or jobs in the Casper area. UW-Casper meets the academic needs of these students. Courses are taught by resident and visiting faculty who are regular or part-time members of UW academic departments. A full-service office handles admission, registration, financial aid, and advising.

Most classes are taught in the new Student Union/University Building on the Casper College campus. Students will find state-of-the-art technology, study rooms, computer labs, and several student lounge areas throughout the building.

UW Programs in Casper

Courses offered for these degree programs may be onsite, online, audio/visual conference, or a combination of delivery methods.

Bachelor's Degrees

- Applied Science
- Biology
- Business Administration
- Communication
- Criminal Justice
- Elementary Education
- English
- Family and Consumer Science
- Humanities and Fine Arts
- Journalism
- Mathematics and Science
- Medical Laboratory Sciences
- Nursing
- Psychology
- Secondary Science Education, Biology
- Social Science
- Social Work
- Technical Education

Master's Degrees

- Adult and Post-Secondary Education
- Counselor Education
- Curriculum and Instruction
- Education Leadership
- English
- Executive MBA
- Instructional Technology
- Kinesiology and Health
- Nursing
- Public Administration
- Social Work
- Special Education
- Speech-Language Pathology

Doctorate Degrees

- Adult/Post Secondary Education
- Educational Leadership
- Nursing Practice

Certificates and Endorsements

- Early Childhood, Birth to five
- Early Childhood, Birth to eight
- Early Childhood, Program Director
- Early Childhood Special Education
- English as a Second Language
- Land Surveying
- Literacy
- Online Instruction
- Principal
- School Social Work
- Special Education
- Special Education Director
- Superintendent
- Teachers of American Indian Children

Degree Programs

Accounting

Accounting, A.B.

This curriculum is for students wishing to pursue four-year degrees in accounting. To meet the requirements of the Associate of Business in Accounting, students must elect two semesters of intermediate accounting in the sophomore year.

This is a transfer degree.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study

1. Exploration and Participation
   16 credits allowed in this field of study.
   - Laboratory science (8CR)
   - MATH 2350 - Business Calculus I (4CR)
   - MATH 2355 - Business Calculus II (4CR)
2. Communication
   - CO/M 1010 - Public Speaking (3CR)
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming Constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- ACCT 2410 - Intermediate Accounting I (4CR)
- ACCT 2420 - Intermediate Accounting II (4CR)
- BADM 2010 - Business Law I (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- ECON 1020 - Principles of Microeconomics (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
  or
- MKT 2100 - Principles of Marketing (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Career Accounting, A.A.S.

Designed to combine entrepreneurial concepts and business knowledge needed by an individual who plans to set up an accounting/bookkeeping practice.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 1000 - Problem Solving (3CR) or higher
   - BADM 1005 - Business Mathematics I (3CR)
2. Communication
   - BADM 1020 - Business Communications (3CR)
   - CO/M 1030 - Interpersonal Communication (3CR)
   - ENGL 1010 - English I: Composition (3CR)
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- ACCT 2110 - QuickBooks (2CR)
- ACCT 2120 - Computer Spreadsheet Accounting (3CR)
- ACCT 2410 - Intermediate Accounting I (4CR)
- ACCT 2420 - Intermediate Accounting II (4CR)
- ACCT 2430 - Income Tax (3CR)
- ACCT 2460 - Payroll Accounting (3CR)
- BADM 2010 - Business Law I (3CR)
- COSC 1200 - Computer Information Systems (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 2100 - Principles of Marketing (3CR)

Select at least one class from the following electives

- ACCT 1450 - CB Exam Review (3CR)
- BADM 1025 - Entrepreneurial Finance (3CR)
- BADM 2030 - Business Ethics (3CR)
- BADM 2195 - Entrepreneurship (3CR)

- BADM 2245 - Real Estate Law (3CR)
- BADM 2340 - Business Organizations and Government Regulations (3CR)
- BUSN 2000 - International Business (3CR)
- MGT 2150 - Leadership (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Career Accounting Certificate

This certificate is designed to combine entrepreneurial concepts and business knowledge needed by an individual who plans to set up or work for an accounting/bookkeeping practice.

Certificate Requirements

General Education

- BADM 1005 - Business Mathematics I (3CR)
- ENGL 1010 - English I: Composition (3CR)
  or
- BADM 1020 - Business Communications (3CR)
  or
- BOTK 1540 - Business English (3CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- ACCT 2110 - QuickBooks (2CR)
  or
- ACCT 2120 - Computer Spreadsheet Accounting (3CR)
- ACCT 2430 - Income Tax (3CR)
- ACCT 2460 - Payroll Accounting (3CR)
- BADM 1000 - Introduction to Business (3CR)
  or
- MGT 2100 - Principles of Management (3CR)
- COSC 1200 - Computer Information Systems (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)

Select one of the following electives:

- ACCT 1450 - CB Exam Review (3CR)
- BADM 1030 - Personal Finance (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Addictionology

Certified addiction practitioner assistants (CAPA) are licensed in Wyoming to work under supervision of licensed professionals in private and public sector organizations to provide assessment, education, and treatment services to clients with alcohol, drug, and other addiction problems. In addition, CAPA's refer clients with addiction problems to other social services agencies. The program is designed to update the skill and knowledge of individuals currently working addictionology or those with previous degrees preparing to become certified addiction practitioners or licensed addiction therapists. It also trains students preparing to work in counseling, psychiatry, psychology, nursing, social work, rehabilitation, criminal justice, community service, or related human service fields. Courses are also available for current addiction practitioners who meet course requirements. With careful course selection, students may earn associate degrees in both addictionology and either social work or psychology simultaneously.

Program Prerequisite: While participating in the program, recovering students will agree to abstain from alcohol and other illicit drugs. All other students must agree not to abuse alcohol or use illicit drugs while in the program.

Addictionology, A.S.

This degree is recommended to students planning to continue toward a baccalaureate degree in social work (BSW), psychology, or other human services curriculum. Students completing the degree are prepared with a strong cognate area of training that is in great demand for entry-level social workers.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - BIOL 1000 - Introduction to Biology I (4CR)
   - MATH 1000 - Problem Solving (3CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - PSYC 1000 - General Psychology (3CR)
   - POLS 1000 - American and Wyoming Government (3CR)
   - Cultural Environment (3CR)
4. General Education Electives (9CR)
   Choose nine credits from the following:
   - ECON 1010 - Principles of Macroeconomics (3CR)
   - SOC 1000 - Introduction to Sociology (3CR)
   - SOWK 2000 - Foundations of Social Work (3CR)
   - STAT 2050 - Fundamentals of Statistics (5CR)
   - STAT 2070 - Introductory Statistics for Social Science (5CR)
5. Physical Education (1CR)

Major Requirements

- ADDN 1020 - Introduction to Substance Use Disorders Counseling I (3CR)
- ADDN 2005 - Group Process (3CR)
- ADDN 2015 - Ethics and Professional Issues (3CR)
- ADDN 2010 - Addictions Assessment (3CR)
- ADDN 2100 - Foundations of Substance Use Disorder Counseling II (3CR)
- ADDN 2970 - Addictionology Practicum (3CR)
- CO/M 2155 - Motivational Interviewing (3CR)
- PSYC 2050 - Introductory Counseling/ Clinical Theories (3CR)
- PSYC 2080 - Biological Psychology (3CR)
- PSYC 2210 - Drugs and Behavior (3CR)
- PSYC 2340 - Abnormal Psychology (3CR)
- Electives (6CR)

Choose from the following electives:

- ADDN 1050 - Crime and Drugs (3CR)
- ADDN 1520 - Anger, Addiction and Trauma (3CR)
- PSYC 2260 - Alcoholism (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)

Note:

The normal length of this program is two years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Addictionology Certificate

Certificate Requirements

- PSYC 1000 - General Psychology (3CR)
- ADDN 1020 - Introduction to Substance Use Disorders Counseling I (3CR)
- ADDN 2005 - Group Process (3CR)
- ADDN 2010 - Addictions Assessment (3CR)
- ADDN 2015 - Ethics and Professional Issues (3CR)
- ADDN 2100 - Foundations of Substance Use Disorder Counseling II (3CR)
- ADDN 2970 - Addictionology Practicum (3CR)
- CO/M 2155 - Motivational Interviewing (3CR)
- PSYC 2050 - Introductory Counseling/ Clinical Theories (3CR)
- PSYC 2080 - Biological Psychology (3CR)
- PSYC 2210 - Drugs and Behavior (3CR)
- PSYC 2340 - Abnormal Psychology (3CR)
- Electives (5CR)

Choose from the following electives:

- ADDN 1050 - Crime and Drugs (3CR)
- ADDN 1520 - Anger, Addiction and Trauma (3CR)

Note:

The certificate program is only available to students who have previously earned a degree in another major area.

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Agriculture

Classes in agriculture are arranged to meet the needs of students who wish to complete their formal college work at Casper College or for persons who plan to obtain a bachelor's degree elsewhere. Every effort is made to assist students in selecting a program which will fit their needs. Modern agriculture is a business and a science as well as a way of life, and the faculty recognizes that it is as important to produce alert and well-informed citizens as it is to train competent farmers and ranchers.

Agri-Business, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Lab Science
     or
   - Mathematics
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) Required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- AGEC 1010 - Agriculture Economics I (3CR)
- AGEC 1020 - Agriculture Economics II (3CR)
- AGEC 2010 - Farm-Ranch Business Records (3CR)
- AGEC 2020 - Farm-Ranch Business Management (4CR)
- AGEC 2300 - Agricultural Marketing (3CR)
- AGRI 1010 - Computers in Agriculture (2CR)
- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- ANSC 1010 - Livestock Production I (4CR)
  or
- AECL 1000 - Agroecology (4CR)
- ANSC 1020 - Livestock Production II (3CR)
  or
- CROP 2200 - Forage Crop Science (4CR)
- Electives - (19CR)

Approved Electives:

Any appropriate business or agriculture course may be taken for elective credit with departmental approval. Recommended business electives are sales (2), advertising (3), and retail merchandising (3). Work experience for credit can be arranged if desired, one to six maximum.

- AGRI 2000 - Agriculture Chemicals I (3CR)
- AGRI 2010 - Agriculture Chemicals II (3CR)
- AGRI 2475 - Independent Study in Agriculture
- ANSC 1030 - Equine Management (3CR)
- ANSC 1100 - Artificial Insemination (1CR)
- ANSC 1150 - Animal Diseases (2CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2110 - Beef Production (3CR)
- ANSC 2120 - Sheep Production (3CR)
- ANSC 2130 - Swine Production (3CR)
- ANSC 2230 - Livestock Judging II/I (2CR)
- BADM 1000 - Introduction to Business (3CR)
- BADM 1030 - Personal Finance (3CR)
- BADM 2010 - Business Law I (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- FDSC 2100 - Principles of Meat Science (2CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- PSYC 1000 - General Psychology (3CR)
- REWM 1000 - Introduction to Range Management (1CR)
- REWM 2000 - Principles of Range Management (3CR)
- SOC 1000 - Introduction to Sociology (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Animal Science Technology, A.A.S.

This two-year course of study is designed to provide the training and skills necessary to enter some phase of livestock production either as an employee or as a farmer or rancher.

Students following this curriculum will qualify for the Associate of Science degree; however, courses in either business or farm mechanics may be substituted for some of the courses shown, and the program can be tailored to the student's needs.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1010 - General Biology I (4CR)
    - BIOL 2022 - Animal Biology (4CR)
2. Communication
   (One course minimum)
    - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AGEC 2010 - Farm-Ranch Business Records (3CR)
- AGEC 2020 - Farm-Ranch Business Management (4CR)
- AGTK 1610 - Farm Shop I (3CR)
- ANSC 1010 - Livestock Production I (4CR)
  or
- AECL 1000 - Agroecology (4CR)
- ANSC 1020 - Livestock Production II (3CR)
  or
- CROP 2200 - Forage Crop Science (4CR)
- ANSC 1030 - Equine Management (3CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2110 - Beef Production (3CR)
- ANSC 2120 - Sheep Production (3CR)
- REWM 2000 - Principles of Range Management (3CR)
- Electives (3CR)

Recommended Electives:

- AGRI 2000 - Agriculture Chemicals I (3CR)
- AGRI 2010 - Agriculture Chemicals II (3CR)
- AGRI 2475 - Independent Study in Agriculture
- ANSC 1100 - Artificial Insemination (1CR)
- ANSC 1150 - Animal Diseases (2CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2110 - Beef Production (3CR)
- ANSC 2120 - Sheep Production (3CR)
- ANSC 2130 - Swine Production (3CR)
- ANSC 2230 - Livestock Judging II/I (2CR)
- BADM 1000 - Introduction to Business (3CR)
- BADM 1030 - Personal Finance (3CR)
- BADM 2010 - Business Law I (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- FDSC 2100 - Principles of Meat Science (2CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- PSYC 1000 - General Psychology (3CR)
- REWM 1000 - Introduction to Range Management (1CR)
- SOC 1000 - Introduction to Sociology (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Agri-Business, A.S.

The agricultural business curriculum is offered for students who are planning a career in agri-business. This includes farming and ranching and jobs in agriculture related businesses such as farm equipment companies, fertilizer sales, feed companies, and commercial banks as well as other farm credit agencies. Numerous sales and management positions are available with the agricultural marketing industries, which form the connecting link between farmers and consumers.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Biology Science with Lab (4CR)
    - Physical Science with Lab (4CR)
      or
    - MATH 2350 - Business Calculus I (4CR)
    - MATH 1400 - Pre-Calculus Algebra (4CR) (or higher)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- AGEC 1010 - Agriculture Economics I (3CR)
- AGEC 1020 - Agriculture Economics II (3CR)
- AGEC 2010 - Farm-Ranch Business Records (3CR)
- AGEC 2020 - Farm-Ranch Business Management (4CR)
- AGEC 2300 - Agricultural Marketing (3CR)
- AGRI 1010 - Computers in Agriculture (2CR)

Approved Electives (10 credits)

- ACCT 2020 - Principles of Accounting II (4CR)
- AECL 1000 - Agroecology (4CR)
- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- AGRI 2000 - Agriculture Chemicals I (3CR)
- AGRI 2010 - Agriculture Chemicals II (3CR)
- AGTK 1570 - Horseshoeing (2CR) (Max. 2)
- AGTK 1580 - Introduction to Outdoor Recreation: Guide Outfitting (3CR)
- AGTK 1590 - Packing and Outfitting (2CR)
- ANSC 1010 - Livestock Production I (4CR)
- ANSC 1020 - Livestock Production II (3CR)
- ANSC 1030 - Equine Management (3CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2110 - Beef Production (3CR)
- ANSC 2120 - Sheep Production (3CR)
- ANSC 2130 - Swine Production (3CR)
- ANSC 2230 - Livestock Judging II/I (2CR)
- BADM 1000 - Introduction to Business (3CR)
- BADM 1020 - Business Communications (3CR)
- BADM 1025 - Entrepreneurial Finance (3CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2040 - E-commerce (3CR)
- BADM 2100 - Small Business Practices (2CR)
- BADM 2195 - Entrepreneurship (3CR)
- BADM 2245 - Real Estate Law (3CR)
- BANK 1500 - Principles of Banking (3CR)
- BANK 2930 - Analyzing Financial Statements (3CR)
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- FDSC 2100 - Principles of Meat Science (2CR)
- MATH 2350 - Business Calculus I (4CR)
- REWM 1000 - Introduction to Range Management (1CR)
- REWM 2000 - Principles of Range Management (3CR)
- SOIL 2010 - Introduction to Soil Science (4CR)
- STAT 2050 - Fundamentals of Statistics (5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Agriculture Communications, A.S.

This degree is intended for students wishing to pursue careers in journalism, public relations, sales and marketing, and other professions in the agriculture industry. This program of study will also assist students wishing to transfer to a university to continue their study in agriculture.

Recommended Curriculum

General Education (Minimum 32 credits)

1. Exploration & Participation

   General education coursework can be completed from within or outside of the major field of study.
   - BIOL 1000 - Introduction to Biology I (4CR)
   - MATH 1400 - Pre-Calculus Algebra (4CR)
   - Physical Science (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives (minimum of 4CR)
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AGEC 1010 - Agriculture Economics I (3CR)
- ANSC 1010 - Livestock Production I (4CR)

  or
- AECL 1000 - Agroecology (4CR)
- CO/M 1000 - Introduction to Mass Media (3CR)
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1040 - Introduction to Human Communication (3CR)
- CO/M 2090 - Introduction to Persuasion (3CR)
- CO/M 2100 - Reporting and Newswriting I (3CR)

Approved Electives (minimum 10 credits)

- AGEC 1020 - Agriculture Economics II (3CR)
- AGEC 2300 - Agricultural Marketing (3CR)
- AGEC 2370 - Farm and Ranch Appraisal (3CR)
- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- AGRI 2000 - Agriculture Chemicals I (3CR)
- AGRI 2010 - Agriculture Chemicals II (3CR)
- AGRI 2475 - Independent Study in Agriculture
- ANSC 1030 - Equine Management (3CR)
- ANSC 1100 - Artificial Insemination (1CR)
- ANSC 1150 - Animal Diseases (2CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2130 - Swine Production (3CR)
- ANSC 2230 - Livestock Judging II/I (2CR)

- FDSC 2100 - Principles of Meat Science (2CR)
- REWM 2000 - Principles of Range Management (3CR)
- SOIL 2010 - Introduction to Soil Science (4CR)

Note:

The above curriculum meets the requirements for the Associate of Science degree. Substitutions may be made to comply with the requirements of the institution to which a student may desire to transfer.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Agriculture, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1010 - General Biology I (4CR)
    - CHEM 1005 - Basic Chemistry I (3CR)
    - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AGEC 1010 - Agriculture Economics I (3CR)
  or
- AGEC 1020 - Agriculture Economics II (3CR)
- ANSC 1010 - Livestock Production I (4CR)
  or
- AECL 1000 - Agroecology (4CR)
- AGEC 2010 - Farm-Ranch Business Records (3CR)
  or
- AGEC 2020 - Farm-Ranch Business Management (4CR)
- AGRI 1010 - Computers in Agriculture (2CR)

Approved Electives: (19-20 credits)

- AGEC 2300 - Agricultural Marketing (3CR)
- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- AGRI 2475 - Independent Study in Agriculture
- AGTK 1570 - Horseshoeing (2CR) (Max. 2)
- AGTK 1590 - Packing and Outfitting (2CR)
- ANSC 1030 - Equine Management (3CR)
- ANSC 1100 - Artificial Insemination (1CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2130 - Swine Production (3CR)
- ANSC 2230 - Livestock Judging II/I (2CR)
- BIOL 2022 - Animal Biology (4CR)
- BIOL 2023 - Plant and Fungal Biology (4CR)
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- FDSC 2100 - Principles of Meat Science (2CR)
- PSYC 1000 - General Psychology (3CR)
- REWM 2000 - Principles of Range Management (3CR)
- SOC 1000 - Introduction to Sociology (3CR)
- SOIL 2010 - Introduction to Soil Science (4CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

The above curriculum meets the requirements for the Associate of Science degree. Substitutions may be made to comply with the requirements of the institution to which a student may desire to transfer.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Animal Science, A.S.

This degree program will meet the needs of students who plan on transferring to a university to continue their studies in animal science.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1010 - General Biology I (4CR)
    - CHEM 1005 - Basic Chemistry I (3CR)
    - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AGEC 1010 - Agriculture Economics I (3CR)
  or
- AGEC 1020 - Agriculture Economics II (3CR)
- ANSC 1010 - Livestock Production I (4CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- FDSC 2040 - Principles of Meat Animal Evaluation (3CR)

Must also select at least six hours from:

- AGEC 2010 - Farm-Ranch Business Records (3CR)
- AGEC 2020 - Farm-Ranch Business Management (4CR)
- ANSC 1020 - Livestock Production II (3CR)
- ANSC 1030 - Equine Management (3CR)
- ANSC 2110 - Beef Production (3CR)
- ANSC 2120 - Sheep Production (3CR)
- ANSC 2130 - Swine Production (3CR)
- REWM 2000 - Principles of Range Management (3CR)

Approved Electives (12 credits)

- AECL 1000 - Agroecology (4CR)
- AGRI 1010 - Computers in Agriculture (2CR)
- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- AGRI 2475 - Independent Study in Agriculture
- AGEC 1020 - Agriculture Economics II (3CR)
- AGEC 2300 - Agricultural Marketing (3CR)
- AGTK 1570 - Horseshoeing (2CR) (Max. 2)
- AGTK 1590 - Packing and Outfitting (2CR)
- ANSC 1100 - Artificial Insemination (1CR)
- ANSC 1160 - Issues in Agriculture (3CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2230 - Livestock Judging II/I (2CR)
- BIOL 2022 - Animal Biology (4CR)
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- CROP 2200 - Forage Crop Science (4CR)
- FDSC 2100 - Principles of Meat Science (2CR)
- SOIL 2010 - Introduction to Soil Science (4CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Range Management, A.S.

This program is designed to introduce students to the science of range ecology and range management. Students will be exposed to all aspects necessary in range management and ecology such as soils, plant science, and livestock nutrition. This degree program will also meet the needs of students who plan on transferring to a university to continue their studies in range management/range ecology.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1010 - General Biology I (4CR)
    - CHEM 1005 - Basic Chemistry I (3CR)
    - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AECL 1000 - Agroecology (4CR)
- AGEC 1010 - Agriculture Economics I (3CR)
- ANSC 1010 - Livestock Production I (4CR)
- BIOL 2023 - Plant and Fungal Biology (4CR)
- BIOL 2400 - General Ecology (3CR)

- CROP 2200 - Forage Crop Science (4CR)
- REWM 1000 - Introduction to Range Management (1CR)
- REWM 2000 - Principles of Range Management (3CR)
- SOIL 2010 - Introduction to Soil Science (4CR)
- Electives (4CR)

Choose from the following:

- AGEC 2010 - Farm-Ranch Business Records (3CR)
- AGEC 2300 - Agricultural Marketing (3CR)
- AGEC 2370 - Farm and Ranch Appraisal (3CR)
- AGRI 1010 - Computers in Agriculture (2CR)
- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- AGRI 2000 - Agriculture Chemicals I (3CR)
- AGRI 2010 - Agriculture Chemicals II (3CR)
- AGRI 2475 - Independent Study in Agriculture
- ANSC 1020 - Livestock Production II (3CR)
- ANSC 1030 - Equine Management (3CR)
- ANSC 1100 - Artificial Insemination (1CR)
- ANSC 1150 - Animal Diseases (2CR)
- ANSC 1200 - Livestock Fitting and Showing (2CR)
- ANSC 1210 - Livestock Judging I (5CR)
- ANSC 1220 - Livestock Judging II (Advanced) (1CR)
- ANSC 2020 - Feeds and Feeding (4CR)
- ANSC 2110 - Beef Production (3CR)
- ANSC 2120 - Sheep Production (3CR)
- ANSC 2490 - Topics: (Subtitle)
- BIOL 2410 - Field Ecology I (2CR)
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Anthropology

Anthropology is a holistic discipline that is concerned with the physical nature of humans and their relationship with the environment, as well as the social and cultural aspects of behavior. Students will find an anthropology background useful in any occupation in which knowledge and appreciation of human diversity is important, such as education, government, social service, personnel, marketing/advertising, international business, tourism, museum work, health professions, cultural resource management, city planning, and environmental consulting. The curriculum at Casper College offers a general background in anthropology for students who are pursuing a liberal education and provides basic preparation for students who wish to become professional anthropologists.

Anthropology, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1010 - General Biology I (4CR)
    - BIOL 2022 - Animal Biology (4CR)
    - Mathematics (3CR) - must be 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - SOC 1000 - Introduction to Sociology (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - World Language (must be in one language) (8CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ANTH 1100 - Introduction to Physical Anthropology (3CR)
- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ANTH 1300 - Introduction to Archeology (3CR)
- RELI 1000 - Introduction to Religion (3CR)
  or
- ANTH 2210 - North American Indian (3CR)
- HIST 1110 - Western Civilization I (3CR)
- HIST 1120 - Western Civilization II (3CR)
- Electives (14CR)

Recommended Electives:

- ART 1300 - Museum Studies (3CR)
- CO/M 1010 - Public Speaking (3CR)
- ENGL 2350 - African American Literature (3CR)
- GEOG 1000 - World Regional Geography (3CR)
- GEOG 1080 - Introduction to GPS and Maps (3CR)
- GEOL 1100 - Physical Geology (4CR)
- GEOL 1250 - Paleontology and Geology Field Work (1CR)
- GNDR 1000 - Introduction to Gender Studies (3CR)

- HUMN 2045 - Asian Art and Culture (3CR)
- HUMN 2425 - World Health (3CR)
- POLS 2310 - Introduction to International Relations (3CR)
- PSYC 1000 - General Psychology (3CR)
- PSYC 2000 - Research Psychological Methods (4CR)
- SOC 2112 - Environmental Sociology (3CR)
- THEA 1000 - Introduction to the Theatre (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Auto Body Repair Technology

Working with industry professionals, we offer training necessary to achieve a one-year certificate or a two-year Associate of Applied Science in Auto Body Repair Technology. As collision repair technology advances, we are committed to offer in-depth coverage of both conventional and innovative collision repair technologies and processes. We offer knowledge-based training, performance-based testing and emphasize hands-on exercises.

The major objectives of the auto body repair technology program at Casper College are:

1. To provide comprehensive training in auto body repair process and theory with emphasis on skills and standards necessary for obtaining employment upon graduation.
2. To structure courses which will provide a thorough background necessary for those students continuing their education in related fields.

Note: To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

Auto Body Repair Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Laboratory Science
     or
   - Mathematics
2. Communication
   (One course minimum)
   - Written or Spoken Communication
   - CO/M 1505 - Communication for Professional Success (highly recommended)
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming Constitutions (3CR) Required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AUBR 1540 - Auto Body Welding (3CR)
- AUBR 1550 - Auto Body Repair I (4CR)
- AUBR 1560 - Auto Body Repair II (4CR)
- AUBR 1810 - Collision Damage Repair I (4CR)
- AUBR 1710 - Frame and Chassis I (2.5CR)
- AUBR 1820 - Collision Damage Repair II (4CR)
- AUBR 1910 - Auto Paint I (4CR)
- AUBR 1920 - Auto Paint II (4CR)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)

- WELD 1910 - Specialized Welding and Joining (3CR)
- Auto body repair, automotive, machine tool or welding electives (15CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Auto Body Repair Technology Certificate

Certificate Requirements

Fall Semester

- AUBR 1540 - Auto Body Welding (3CR)
- AUBR 1550 - Auto Body Repair I (4CR)
- AUBR 1810 - Collision Damage Repair I (4CR)
- AUBR 1910 - Auto Paint I (4CR)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)

Spring Semester

- AUBR 1560 - Auto Body Repair II (4CR)
- AUBR 1710 - Frame and Chassis I (2.5CR)
- AUBR 1820 - Collision Damage Repair II (4CR)
- AUBR 1920 - Auto Paint II (4CR)
- WELD 1910 - Specialized Welding and Joining (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Automotive Technology

The automotive technology program provides quality training relevant to current trends in automotive repair technology. The program enhances a student's employment potential and opportunities; provides knowledge and skills relevant to current trends in automotive repair; provides a solid foundation for continuing education in related fields; and provides a flexible, career-oriented path of training and education.

Housed in the spacious shop facility of the Neil and Doris McMurry Career Studies Center, the automotive technology program is one of th many 30 career programs at Casper College designed to prepare students for the work force. Students can earn a one-year certificate or a two-year associate of applied science degree, which includes general education coursework with automotive, machine tool, and welding electives.

Note: To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

Automotive Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Laboratory Science
     or
   - Mathematics
2. Communication
   (One course minimum)
   - Written or Spoken Communication
   - CO/M 1505 - Communication for Professional Success (highly recommended)
3. Relationship with the World
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

Fall Semester

- AUTO 1510 - Engine System Fundamentals (6CR)
- AUTO 1690 - Manual Power Train Fundamentals (4CR)
- AUTO 1765 - Automotive Electrical (5CR)
- AUTO 2555 - Suspension and Steering (4CR)
- AUTO 2980 - Cooperative Work Experience (Automotive) (2CR) required

Spring Semester

- AUTO 1740 - Brake Systems (4CR)
- AUTO 1760 - Heating and Air Conditioning (4CR)
  or
- AUTO 2500 - Advanced Engine Rebuilding (4CR)
- AUTO 2565 - Advanced Automotive Electrical (5CR)
- AUTO 2610 - Computerized Fuel Systems (5CR)
- AUTO 2980 - Cooperative Work Experience (Automotive) (2CR) required

Approved Electives (15 credits)

Approved electives may be any other AUTO, WELD, and/or MCHT courses.

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Automotive Technology Certificate

Certificate Requirements

Fall Semester

Students beginning the program in the fall semester will register for the fundamental courses listed below.

- AUTO 1510 - Engine System Fundamentals (6CR)
- AUTO 1690 - Manual Power Train Fundamentals (4CR)
- AUTO 1765 - Automotive Electrical (5CR)
- AUTO 2555 - Suspension and Steering (4CR)
- AUTO 2980 - Cooperative Work Experience (Automotive) (2CR) required

Spring Semester

Students will select from the following courses in the spring semester.

- AUTO 1740 - Brake Systems (4CR)
- AUTO 1760 - Heating and Air Conditioning (4CR)
  or
- AUTO 2500 - Advanced Engine Rebuilding (4CR)
- AUTO 2565 - Advanced Automotive Electrical (5CR)
- AUTO 2610 - Computerized Fuel Systems (5CR)
- AUTO 2980 - Cooperative Work Experience (Automotive) (2CR) required

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Aviation

The program is a unique partnership between Casper College and air flight schools. The program allows students to complete academic coursework and flight training toward an associate degree in aviation and a commercial pilot's license. The primary goal is to provide a curriculum that will lead to employment in commercial aviation or airway science.

Academic coursework takes place at Casper College. Students are allowed to schedule flight training around these courses. Students make their own arrangements for the actual flight training on a contractual basis with any flight school. Flight costs are not covered by tuition costs.

Aviation, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
     or
   - Mathematics
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- AVTN 2510 - Private Pilot Ground School (3CR)
- AVTN 2520 - Private Pilot Flight School (3CR) *
- AVTN 2600 - Instrument Pilot Ground School (3CR)
- AVTN 2620 - Instrument Pilot Flight School (3CR) **
- AVTN 2705 - Commercial Pilot Ground School (3CR)
- AVTN 2720 - Commercial Pilot Flight I (3CR) ***
- AVTN 2730 - Commercial Pilot Flight II (3CR) ***
- CO/M 1010 - Public Speaking (3CR)
  or
- CO/M 1030 - Interpersonal Communication (3CR)
- COSC 1200 - Computer Information Systems (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
  or
- ECON 1020 - Principles of Microeconomics (3CR)

- GEOG 1010 - Introduction to Physical Geography (4CR)
- MATH 1000 - Problem Solving (3CR)
  or
- MATH 1400 - Pre-Calculus Algebra (4CR)
- MGT 2100 - Principles of Management (3CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (10-11CR)

Note:

*The estimated flight cost for AVTN 2520 is between $5,000 to $8,000.

**The estimated flight cost for AVTN 2620 is between $9,000 and $11,000.

***The estimated flight cost for AVTN 2720 and AVTN 2730 total between $19,000 and $21,000.

All AVTN flight schools must either be taken concurrently with corresponding ground schools or have already been taken.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts and Associate of Applied Science Degrees.

Biology

Students who are planning to enroll in biology courses should consider the following: A maximum of four semester hours credit may be applied toward graduation by completing both BIOL 1000 and BIOL 1010.

Biology, A.S.

This degree program is intended for students who plan to continue their education beyond the associate degree. It provides a curriculum which is broad based in the biological sciences and helps students meet the requirements for a variety of other degree programs. It is the recommended major for students planning to pursue a four-year biology degree on the Casper College campus via the UW-Casper program. It is also advised for students who desire to pursue baccalaureate and/or graduate education in the biological sciences.

Recommended Curriculum

General Education (Minimum 32 hours)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Included in the major requirements below
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- BIOL 2022 - Animal Biology (4CR)
- BIOL 2023 - Plant and Fungal Biology (4CR)
- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- Mathematics - must be 1000 level or higher (6-10CR)
- MOLB 2210 - General Microbiology (4CR)
- PHYS 1110 - General Physics I (4CR)
- PHYS 1120 - General Physics II (4CR)

Biological Sciences Electives (9 credits)

Biological sciences electives may be chosen from sophomore to senior level courses at the direction of the academic advisor.

Students who wish to study ecology should major in biology.

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Wildlife Management, A.S.

The curriculum is designed to provide students with an array of experiences in the biological sciences, including exposure to plant and vertebrate biology in a variety of field settings, and access to a departmentally operated greenhouse and vertebrate museum.

This is a transfer degree.

Recommended Curriculum

General Education (Minimum 32 hours)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- BIOL 2022 - Animal Biology (4CR)
  or
- BIOL 2023 - Plant and Fungal Biology (4CR)
- BIOL 2400 - General Ecology (3CR)
- BIOL 2410 - Field Ecology I (2CR)
- CHEM 1025 - Chemistry I (3CR)
  and
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
  and
- CHEM 1038 - Chemistry Laboratory II (1CR)
- Mathematics must be 1000 level or higher (6-10CR)
- Biological Science Electives (4CR) - may be chosen from sophomore to senior level courses at the direction of the academic advisor.
- Electives (16CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Business

The Casper College Department of Business is dedicated to both academic and vocational education. Therefore, the department offers associate degrees and certificate programs in business, and credit and noncredit continuing education in business.

The department of business is committed to providing programs parallel to the first two years of those offered in four year business schools and promotes the opportunity for individuals to achieve degrees beyond the associate degree on campus. In this pursuit, the department offers the Associate of Business degree.

The department of business offers Associate of Applied Science degrees and certificate programs to develop vocational proficiency to qualify individuals for responsible and productive positions in business and government, and to retrain individuals for current and new positions.

The department of business recognizes the need for a community environment in which there exists an opportunity for educational growth. Therefore, the department is dedicated to providing continuing business education to enhance skills and knowledge for members of the community.

The department of business recognizes a changing business environment and changing technology. Therefore, the department is committed to innovation in course design, instructional methods, and integration of appropriate equipment in the curricula.

Entrepreneurship, A.A.S.

The Associate of Applied Science in Entrepreneurship is designed to prepare the student for success in starting their own business or playing a critical role in an established business. Beyond assisting students in starting their own business, the entrepreneurship degree will prepare students for entry level positions as an analyst, sales representative, market researcher, personal financial advisor, etc.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MATH 1000 - Problem Solving (3CR) or higher
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- ACCT 2430 - Income Tax (3CR)
  or
- ACCT 2460 - Payroll Accounting (3CR)
- BADM 1020 - Business Communications (3CR)
- BADM 1025 - Entrepreneurial Finance (3CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2030 - Business Ethics (3CR)
- BADM 2040 - E-commerce (3CR)
- BADM 2195 - Entrepreneurship (3CR)
- BADM 2245 - Real Estate Law (3CR)
- BADM 2350 - Commercial Law (3CR)
- BUSN 2000 - International Business (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 1000 - Sales (3CR)
  or
- MKT 1300 - Advertising (3CR)
  or
- MKT 2100 - Principles of Marketing (3CR)
- Electives in field of interest to be selected in consultation with advisor if needed (1-2CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Leadership and Organizational Management, A.A.S.

The Associate of Applied Science in Leadership teaches key organizational leadership elements such as ethics, motivation, creativity, vision, strategic planning, customer service and organizational development. The leadership degree will not only provide effective leadership skills for students wishing to lead an organization, but will also assist students in working with and understanding the leadership styles of other organizational leaders.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
    - MATH 1000 - Problem Solving (3CR) or higher

2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - SOC 1000 - Introduction to Sociology (3CR)
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2030 - Business Ethics (3CR)
- BADM 2340 - Business Organizations and Government Regulations (3CR)
- BUSN 2000 - International Business (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
  or
- ECON 1020 - Principles of Microeconomics (3CR)
- HOSP 1580 - Customer Service and Conflict Resolution (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2050 - Leading Organizational Change (3CR)
- MGT 2100 - Principles of Management (3CR)
- MGT 2110 - Organizational Behavior (3CR)
- MGT 2150 - Leadership (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- Electives (6CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Management, A.A.S.

Students who major in management are trained in a wide variety of skills ranging from management and accounting to marketing and spreadsheets. This training gives students excellent opportunities to pursue entry level management jobs in business.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
    - MATH 1000 - Problem Solving (3CR) or higher
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2030 - Business Ethics (3CR)
- BADM 2340 - Business Organizations and Government Regulations (3CR)
- CMAP 2220 - Spreadsheets for Management (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 1000 - Introduction to Supervision (2CR)
  or
- MGT 1200 - Human Resources Management (3CR)
- MGT 2050 - Leading Organizational Change (3CR)
- MGT 2100 - Principles of Management (3CR)
- MGT 2150 - Leadership (3CR)
- MKT 2100 - Principles of Marketing (3CR)

Select six to seven credits from the following electives

- BADM 1025 - Entrepreneurial Finance (3CR)
- BADM 1030 - Personal Finance (3CR)
- BADM 2040 - E-commerce (3CR)
- BADM 2100 - Small Business Practices (2CR)
  or
- BADM 2195 - Entrepreneurship (3CR)
- BADM 2245 - Real Estate Law (3CR)
- BADM 2350 - Commercial Law (3CR)
- BUSN 2000 - International Business (3CR)
- MGT 2110 - Organizational Behavior (3CR)
- MKT 1000 - Sales (3CR)
  or
- MKT 1300 - Advertising (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Retail Merchandising, A.A.S.

The Associate of Applied Science in Retail Merchandising is designed to provide students with a foundation in merchandising, management, and retailing principles. The core courses combined with the general education classes enable students to pursue a career in a variety of retail and merchandising outlets. The degree also prepares students to become part of a manager trainee program with major retailers.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
      or
    - BADM 1020 - Business Communications (3CR)
    - CO/M 1010 - Public Speaking (3CR)
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1000 - Introduction to Business (3CR)
  or
- MGT 2100 - Principles of Management (3CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2100 - Small Business Practices (2CR)
- BADM 2340 - Business Organizations and Government Regulations (3CR)
  or
- BADM 2350 - Commercial Law (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 1200 - Human Resources Management (3CR)
- MKT 1000 - Sales (3CR)
- MKT 1100 - Retailing (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- MKT 2480 - Cooperative Work Experience (Marketing) or electives (1-9CR)
- Electives (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Business Administration, A.B.

The business administration program is designed to acquaint the student with the role of business in society while keeping individual courses in focus with business methods, practices and techniques. Students may build upon this background to pursue a four-year degree in a field of specialization such as advertising, finance, insurance, labor relations, management, marketing, or statistics.

This is a transfer degree.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (8CR)
    - MATH 2350 - Business Calculus I (4CR)
    - MATH 2355 - Business Calculus II (4CR)
    - (*16 credits allowed in this field of study)
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - ECON 1010 - Principles of Macroeconomics (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- BADM 2010 - Business Law I (3CR)
- ECON 1020 - Principles of Microeconomics (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Law (Business), A.B.

There is no prescribed or required set of courses for pre-legal work. Students must have a B.A. or B.S. degree before beginning the professional study of law. There are no restrictions as to the field in which the degree is earned.

Generally, the objective of pre-legal study is to acquire a background useful in the study and practice of law. College study should prepare the student for law school by developing language comprehension and use; understanding of political, economic, social, and cultural institutions; and the ability to think logically and creatively. Courses promoting these objectives are included in the basic requirements for most undergraduate degrees. The choice of a major should be determined by the student's academic interest and professional objectives in law. Subjects providing a valuable background for the study or practice of law include accounting, business administration, economics, English, history, language, philosophy, political science, psychology, and sociology.

There are two major directions to obtain a pre-law degree: business or social science.

This is a transfer degree.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (8CR)
    - MATH 2350 - Business Calculus I (4CR)
    - MATH 2355 - Business Calculus II (4CR)
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2340 - Business Organizations and Government Regulations (3CR)
  or
- BADM 2350 - Commercial Law (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- ECON 1020 - Principles of Microeconomics (3CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Retail Management Certificate

The retail management certificate is designed for individuals with career interests in the retail management field. It is especially appropriate for those individuals employed in retailing who are seeking skills and knowledge that may prepare them for career advancement. This certificate is endorsed by the Western Association of Food Chains.

Certificate Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1005 - Business Mathematics I (3CR)
- BADM 1020 - Business Communications (3CR)
  or
- ENGL 1010 - English I: Composition (3CR)
- CO/M 1010 - Public Speaking (3CR)
  or
- CO/M 1030 - Interpersonal Communication (3CR)
- COSC 1200 - Computer Information Systems (3CR)
  or
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 1200 - Human Resources Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- MGT 2150 - Leadership (3CR)
- MKT 1100 - Retailing (3CR)
- MKT 2100 - Principles of Marketing (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Business Information Systems

Computer Security, A.A.S.

A computer security degree trains students to find and remove data from a variety of digital media and protect computer information systems from malignant uses, computer viruses, and emerging digital threats. The program blends theory and practice into a learning experience that develops skills applicable to complex real-world problems. Upon successful completion of the degree, students will have the necessary skills for immediate employment as an IT support person in an information assurance line of work.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 1000 - Problem Solving (3CR)
   - BADM 1005 - Business Mathematics I (3CR)
2. Communication
   - BADM 1020 - Business Communications (3CR)
   - CO/M 1010 - Public Speaking (3CR)
   - ENGL 1010 - English I: Composition (3CR)
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CMAP 1610 - Windows I (2CR)
- CMAP 1615 - Operating Systems (3CR)
- CMAP 1715 - Word Processing (3CR)
- CMAP 1765 - Spreadsheet Applications (3CR)
- CMAP 1815 - Database Applications (3CR)
- COSC 1010 - Introduction to Computer Science (4CR)
- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2230 - Law of Evidence (3CR)
- CSEC 1500 - Network Security Fundamentals (3CR)
- CSEC 1505 - Networking Essentials (3CR)
- CSEC 1510 - Network Defense Principles (3CR)
- CSEC 1530 - Computer Forensics (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- INET 2670 - Internet Ethics and Cyber Law (3CR)

Select a minimum of five credit hours of electives from the following list:

- BADM 2030 - Business Ethics (3CR)
- BADM 2040 - E-commerce (3CR)
- CMAP 2630 - Presentation Graphics (2CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Office Management, A.A.S.

Today's office managers must be expert in providing support activities to the business office. These activities include communications, software support, general business and management support, accounting or bookkeeping support, and industry support. Upon successful completion of the degree, students will have the technical, industry, and business skill for a professional office position in a variety of industries.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - BADM 1005 - Business Mathematics I (3CR)
2. Communication
   - BOTK 1540 - Business English (3CR)
   - BADM 1020 - Business Communications (3CR)
     or
   - ENGL 1010 - English I: Composition (3CR)
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2110 - QuickBooks (2CR)
- BADM 1000 - Introduction to Business (3CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2030 - Business Ethics (3CR)
- BOTK 1655 - Keyboarding Speed and Accuracy (1CR)
- BOTK 1660 - Document Formatting (2CR)
- BOTK 1955 - Professional Development (3CR)
- BOTK 1980 - Cooperative Work Experience I
  (1CR needed for degree)
- CMAP 1550 - E-Portfolio Development (1CR)
- CMAP 1715 - Word Processing (3CR)

- CMAP 1765 - Spreadsheet Applications (3CR)
- CMAP 1815 - Database Applications (3CR)
- CMAP 2630 - Presentation Graphics (2CR)
- COSC 1200 - Computer Information Systems (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- Electives chosen in consultation with advisor (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Software Support Specialist, A.A.S.

The recommended curriculum is designed to prepare students for employment in software support, help desk, and end user support positions. This comprehensive program emphasizes the development of skills and the attainment of knowledge necessary to obtain a position in the different types of businesses using the latest systems and software.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
2. Communication
    - BADM 1020 - Business Communications (3CR)
    - BOTK 1540 - Business English (3CR)
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
- ACCT 2110 - QuickBooks (2CR)
- BOTK 1655 - Keyboarding Speed and Accuracy (1CR)
- BOTK 1660 - Document Formatting (2CR)
- BOTK 1955 - Professional Development (3CR)
- BOTK 1980 - Cooperative Work Experience I (1CR)
- CMAP 1550 - E-Portfolio Development (1CR)
- CMAP 1610 - Windows I (2CR)
- CMAP 1715 - Word Processing (3CR)
- CMAP 1765 - Spreadsheet Applications (3CR)
- CMAP 1815 - Database Applications (3CR)
- CMAP 1855 - Desktop Publishing (3CR)
- CMAP 2630 - Presentation Graphics (2CR)
- COSC 1200 - Computer Information Systems (3CR)
- ELTR 2920 - Small Computer Repair Techniques (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- INET 1550 - Introduction to the Internet (1CR)
- INET 1590 - Web Page Design (3CR)
- Electives (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Computer Security, A.S.

A degree in computer security trains students to find and remove data from a variety of digital media and protect computer information systems from malignant uses, computer viruses, and emerging digital threats. The program blends theory and practice into a learning experience that develops skills applicable to complex real-world problems, and is designed to provide a solid foundation for future professional growth to help meet the growing demand for professionals with information assurance expertise in various disciplines.

This is a transfer degree.

Recommended Curriculum

General Education (Minimum 32 hours)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (8CR)
    - MATH 2350 - Business Calculus I (4CR)
      or
    - MATH 2200 - Calculus I (5CR)
    - (16 credits allowed in this field of study)
2. Communication
    - BADM 1020 - Business Communications (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - CRMJ 2120 - Introduction to Criminal Justice (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- INET 2670 - Internet Ethics and Cyber Law (3CR)
- CMAP 1610 - Windows I (2CR)
- CMAP 1615 - Operating Systems (3CR)
- CMAP 1815 - Database Applications (3CR)
- COSC 1010 - Introduction to Computer Science (4CR)
- CSEC 1500 - Network Security Fundamentals (3CR)
- CSEC 1505 - Networking Essentials (3CR)
- CSEC 1510 - Network Defense Principles (3CR)
- CSEC 1530 - Computer Forensics (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)

Select a minimum of three credit hours of electives from the following list:

- BADM 2030 - Business Ethics (3CR)
- BADM 2040 - E-commerce (3CR)
- CRMJ 2230 - Law of Evidence (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Computer Security Certificate

Certificate Requirements

- BADM 1005 - Business Mathematics I (3CR)
  or
- MATH 1000 - Problem Solving (3CR)
- BADM 1020 - Business Communications (3CR)
- BOTK 1540 - Business English (3CR)
- CMAP 1610 - Windows I (2CR)
- CMAP 1615 - Operating Systems (3CR)
- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CSEC 1500 - Network Security Fundamentals (3CR)
- CSEC 1505 - Networking Essentials (3CR)
- CSEC 1530 - Computer Forensics (3CR)

Note:

The normal length of this program is nine months.

All classes in the major must be passed with a "C" or better.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Office Management Certificate

Certificate Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1000 - Introduction to Business (3CR)
- BADM 1020 - Business Communications (3CR)
- BOTK 1660 - Document Formatting (2CR)
- BOTK 1955 - Professional Development (3CR)
- CMAP 1550 - E-Portfolio Development (1CR)
- CMAP 1715 - Word Processing (3CR)
- CMAP 1765 - Spreadsheet Applications (3CR)
- CMAP 1815 - Database Applications (3CR)
- CMAP 2630 - Presentation Graphics (2CR)
- Electives chosen in consultation with advisor (5CR)

Note:

The normal length of this program is nine months.

All classes in the major must be passed with a "C" or better.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Software Application Certificate

The recommended business information systems curriculum at Casper College is designed to prepare students for employment in software application positions. This comprehensive program emphasizes the development of skills and the attainment of knowledge necessary to obtain a position in the different types of businesses using the latest systems and software.

Certificate Requirements

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
- BOTK 1655 - Keyboarding Speed and Accuracy (1CR)
- BOTK 1660 - Document Formatting (2CR)
- CMAP 1510 - Computer Literacy (3CR)
- CMAP 1610 - Windows I (2CR)
- CMAP 1715 - Word Processing (3CR)
- CMAP 1765 - Spreadsheet Applications (3CR)
- CMAP 1886 - Outlook (1CR)

  or
- INET 1550 - Introduction to the Internet (1CR)
- CMAP 2630 - Presentation Graphics (2CR)

  or
- INET 1590 - Web Page Design (3CR)

General Education

- BADM 1005 - Business Mathematics I (3CR)
- BADM 1020 - Business Communications (3CR)
- BOTK 1540 - Business English (3CR)

Note:

The normal length of this program is nine months.

All classes in the major must be passed with a "C" or better.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Chemistry

Because chemistry deals with the composition of substances and their interactions to produce new substances, students in a wide variety of majors benefit from a knowledge of its fundamentals.

Students who have had no high school chemistry and those with majors like agriculture, forestry, and occupational therapy begin with CHEM 1005 and perhaps CHEM 1006 (concurrent enrollment in CHEM 1005 required). Chemistry, engineering, pre-professional (medicine, veterinary, pharmacy, and medical technology), biology, physics, and geology majors begin with CHEM 1025 and CHEM 1028 and continue with selected 2000 level courses.

1. A maximum of four semester credits may be applied toward graduation by completing any combination of CHEM 1005, CHEM 1006, CHEM 1025, and CHEM 1028.
2. Students who are taking CHEM 1005 in order to prepare for CHEM 1025 and CHEM 1035 need not take CHEM 1006.
3. Students who expect to take one or more chemistry laboratory courses must provide eye protection in the form of 1) prescription eyeglasses or 2) laboratory goggles which may be purchased at the bookstore. Please note that we strongly urge that contact lenses not be worn in the laboratory even under laboratory goggles. Goggles will not prevent irritating vapors from getting under contact lenses to cause much discomfort and pain. Contact lens wearers are urged to be sure to have a pair of prescription glasses to wear in the laboratory when they begin their chemistry studies.

In order to obtain a degree in chemistry students must achieve a 2.0 GPA in those courses taken in chemistry.

Chemistry, A.S.

This transfer program prepares students for a four-year degree in chemistry. After the bachelor's degree, graduates may be employed in a variety of industries, including food and beverages, manufacturing, pharmaceuticals, petroleum and energy, commercial and fine chemicals, lab analysis, environmental monitoring and testing, and many others.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Included in the major requirements below
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- CHEM 2230 - Quantitative Analysis (4CR)
- CHEM 2320 - Organic Chemistry I (3CR)
- CHEM 2325 - Organic Chemistry Laboratory I (1CR)
- CHEM 2340 - Organic Chemistry II (3CR)
- CHEM 2345 - Organic Chemistry Laboratory II (1CR)
- MATH 2200 - Calculus I (5CR)
- PHYS 1310 - College Physics I (4CR)
- Electives (13CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

To obtain a degree in chemistry, a student must obtain a grade of "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Communication

The communication department offers an array of broad and specific courses for students who plan careers related to communication and mass media. Courses encompass writing, speaking, and analyzing messages from all contexts: interpersonal, small group, public, and mass.

The communication major includes nine credits of departmental core courses, and nine to 15 credits of courses in one of three emphasis areas: human communication, journalism, and multimedia production.

Intended to be primarily a transfer degree, this major is for students interested in mass media, customer relations, human resource development, teaching, sales, public relations, advertising, and business. The pre-professional and students who wish to enter other careers which demand effective human interaction should benefit.

Communication – Human Communication, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CO/M 1000 - Introduction to Mass Media (3CR)
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- CO/M 1040 - Introduction to Human Communication (3CR)
- Communication Electives (6CR)
- General Electives (14CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Communication – Journalism, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 2122 - Digital Design I (3CR)
- CO/M 1000 - Introduction to Mass Media (3CR)
- CO/M 1010 - Public Speaking (3CR)
  or
- CO/M 1030 - Interpersonal Communication (3CR)
- CO/M 1040 - Introduction to Human Communication (3CR)
- CO/M 2100 - Reporting and Newswriting I (3CR)
- CO/M 2340 - Editing and Production (3CR)
- CO/M 2355 - Introduction to Media Photography (3CR)
- CO/M 2390 - Independent Publications (1CR)
- Electives (8CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Communication – Multimedia, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 2122 - Digital Design I (3CR)
- CO/M 1000 - Introduction to Mass Media (3CR)
- CO/M 1010 - Public Speaking (3CR)
  or
- CO/M 1030 - Interpersonal Communication (3CR)
- CO/M 1040 - Introduction to Human Communication (3CR)
- CO/M 2100 - Reporting and Newswriting I (3CR)
- CO/M 2190 - Basic Video Production (3CR)
- CO/M 2200 - Broadcast Production (3CR)
- CO/M 2390 - Independent Publications (1CR)
- MUSC 2410 - Sound Reinforcement I (2CR)
- Electives (5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Computer Science

The computer science curricula are designed to give the student a broad applications language background. These can be used to prepare students pursuing four-year degrees with the necessary course work required for the first two years.

Computer Science, A.S.

The Associate of Science in Computer Science is designed to accommodate students interested in the first two years of a four-year degree program in computer science or management information systems (MIS). Students should consult the four-year college curriculum of the college or university to which they plan to transfer to see which electives best fit their needs.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MATH 2200 - Calculus I (5CR)
      or
    - MATH 2350 - Business Calculus I (4CR)

      Lab Science (8CR)

      Recommended: CHEM 1025 with CHEM 1028, CHEM 1035 with CHEM 1038; BIOL 1000 or BIOL 1010 with either BIOL 2023 or ZOO 2040; or PHYS 1310 with PHYS 1320.
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above
5. Physical Education (1CR)

Major Requirements

- COSC 1030 - Computer Science I (4CR)
- COSC 2030 - Computer Science II (4CR)
- COSC 2150 - Computer Organization (3CR)
- COSC 2406 - Programming in Java (4CR)
- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
- Electives (3CR)

At least two credits from the following:

- COSC 2300 - Discrete Structures (3CR)
- COSC 2405 - User Interface Design (2CR)
- COSC 2409 - Programming: Topic
- ES 1000 - Introduction to Engineering Orientation (1CR)

Associate of Science Degree Computer Science – Business Concentration

The Associate of Science in Computer Science specializing in Business is designed to accommodate students interested in the first two years of a four-year degree program in computer science to specialize in Business or management information systems (MIS). Students should consult the four-year college curriculum of the college or university to which they plan to transfer to see which electives best fit their needs.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MATH 2200 - Calculus I (5CR)

      Lab science (8CR)

      Recommended: CHEM 1025 with CHEM 1028, CHEM 1035 with CHEM 1038; BIOL 1000 or BIOL 1010 with either BIOL 2023 or ZOO 2040; or PHYS 1310 with PHYS 1320.
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (3CR)
    - Must be chosen from areas 1, 2, or 3 above
5. Physical Education (1CR)

Major Requirements

- COSC 1030 - Computer Science I (4CR)
- COSC 2030 - Computer Science II (4CR)
- COSC 2150 - Computer Organization (3CR)
- COSC 2406 - Programming in Java (4CR)
- Electives (15CR)

At least two credits from the following:

- COSC 2300 - Discrete Structures (3CR)
- COSC 2405 - User Interface Design (2CR)
- COSC 2409 - Programming: Topic
- ES 1000 - Introduction to Engineering Orientation (1CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

To obtain a degree in computer science, a student must obtain a grade of "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Construction Technology

Construction technology students have several options available to them so that a program can be designed to meet individual needs. A transfer program for those students interested in a baccalaureate degree in construction management from four year schools accredited by the American Council of Construction Education is available.

Construction Technology, A.A.S.

The graduate of the Associates of Applied Science degree will have gained a solid foundation in the construction industry. The curriculum requires both training in the technical aspects of many of the components of construction, blended with some engineering communication tools, and an understanding of the tools used by management to foster efficiency in the industry. The graduate of this program will be well equipped to enter the industry at a level above entry craft or assume a position in entry-level management.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
   - Mathematics - 1000 level or higher
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CNTK 1560 - Construction Safety (3CR)
- CNTK 1700 - Introduction to Construction (4CR)
- CNTK 1750 - Blueprint Reading (2CR)
- CNTK 1860 - Woodworking Fundamentals I (4CR)
- CNTK 1870 - Building Materials and Systems (3CR)
- CNTK 1905 - Carpentry (4CR)
- CNTK 1975 - Materials Handling and Construction Equipment (3CR)
- CNTK 2510 - Construction Estimating (3CR)
- CNTK 2520 - Architectural and Construction Planning (3CR)
- CNTK 2525 - Construction Project Management (3CR)
- ENTK 1010 - Elements of Surveying (3CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 1710 - Architectural Drafting I (4CR)
- ENTK 1750 - Commercial Architectural Drafting (4CR)
- Electives (11CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Construction Management, A.S.

The construction management curriculum is designed to provide the student with a technical base of industrial management ability and skills for productive employment. Whether in the area of building, engineering, or industrial construction, the middle-management-oriented construction technologist will be involved with a people-oriented industry and must be able to communicate with and lead people through decision making. In addition to these managerial skills, a thorough background in the many technical aspects of the construction process are required. Following graduation, employment possibilities will include contractor organizations, engineering and architectural firms, material and sales firms, agricultural businesses, etc.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - CHEM 1005 - Basic Chemistry I (3CR)
   - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
   - MATH 1400 - Pre-Calculus Algebra (4CR)
   - Natural science elective (4CR)
2. Communication
   - CO/M 1010 - Public Speaking (3CR)
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - PSYC 1000 - General Psychology (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BADM 2010 - Business Law I (3CR)
- CNTK 1870 - Building Materials and Systems (3CR)
- CNTK 1975 - Materials Handling and Construction Equipment (3CR)
- CNTK 2520 - Architectural and Construction Planning (3CR)
- ENTK 1510 - Drafting I (4CR)

- FIN 2100 - Managerial Finance (3CR)
- MATH 1405 - Pre-Calculus Trigonometry (3CR)
- MGT 2100 - Principles of Management (3CR)
- Electives (8CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Students who plan to transfer to a four-year school in construction engineering, construction technology or industrial management should contact the school of their choice for transferability and credit requirements. Advisement will follow the guidelines of the school of choice. Check with the construction technology instructor or the university partnerships coordinator about articulation agreements that may exist.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Industrial Arts, A.S.

This program is designed to provide the general education and broad technical skills needed in the career and technical education fields.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MATH 1400 - Pre-Calculus Algebra (4CR)
    - PHYS 1110 - General Physics I (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - POLS 1000 - American and Wyoming Government (3CR)
    - PSYC 1000 - General Psychology (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above. (CO/M 1010 and STAT 2050 recommended)
5. Physical Education (1CR)

Major Requirements

- CNTK 1860 - Woodworking Fundamentals I (4CR)
- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- ELTR 1570 - Electric Circuits (4CR)
- ELTR 1620 - Electrical Concepts Laboratory (1.5CR)
- ELTR 1760 - Introduction to Digital Electronics (4.5CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 2510 - CAD-3D Modeling (4CR)
- ITEC 2360 - Teaching with Technology (3CR)
- MCHT 1610 - Machine Tool Technology I (2CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)
- WELD 1700 - General Welding (2.5CR)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)

Note:

Students who plan to transfer to a four-year school in industrial education should make contact with that institution for information about transferability and credits. Student advisement will follow the guidelines of the school of choice.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Construction Technology Certificate

A number of students choose to take only selected courses to meet their immediate needs. Courses taken can later be applied toward an associate degree program. This option often takes the form of a one-year program of work in construction and drafting. Thirty-three credits must be completed from the list below.

Certificate Requirements

- CNTK 1560 - Construction Safety (3CR)
- CNTK 1700 - Introduction to Construction (4CR)
- CNTK 1750 - Blueprint Reading (2CR)
- CNTK 1860 - Woodworking Fundamentals I (4CR)
- CNTK 1870 - Building Materials and Systems (3CR)
- CNTK 1905 - Carpentry (4CR)
- CNTK 1975 - Materials Handling and Construction Equipment (3CR)
- CNTK 2510 - Construction Estimating (3CR)
- CNTK 2520 - Architectural and Construction Planning (3CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 1710 - Architectural Drafting I (4CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Criminal Justice

NOTE: Criminal justice employment will almost always require the applicant to complete and pass a thorough background investigation. Students majoring in criminal justice should be aware that criminal history, substance abuse, mental illness, and significant financial problems may render them unemployable in a criminal justice agency. Likewise, students should make every effort to safeguard their reputations while attending college. Many criminal justice agencies also have physical fitness requirements that candidates for certain positions must be able to pass. In addition, some agencies have maximum age standards for entry level positions.

Criminal Justice, A.A.S.

The A.A.S. degree in criminal justice offers a curriculum which provides a focused education, preparing the student to pursue a career after graduation from Casper College. In so doing, it also attempts to develop the qualities that are desirable for employment in the criminal justice fields: communication capabilities, intelligence, tolerance, self-discipline, and respect for constitutional values. It also develops professional qualities within those students currently employed with a criminal justice agency, and it provides a general knowledge about the successes and failures of America's criminal justice system. The A.A.S degree is not designed for those students who anticipate pursuing a baccalaureate degree after graduation from Casper College. The A.A.S. degree requires fewer general education classes in the areas of math, English and science than does the A.A. degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
   - Mathematics - 1000 level or higher
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2130 - Criminal Investigation I (3CR)
- CRMJ 2210 - Criminal Law I (3CR)
- CRMJ 2250 - Police Administration (3CR)
  or
- CRMJ 2350 - Introduction to Corrections (3CR)
- CRMJ 2280 - Criminal Procedure (3CR)
- CRMJ 2380 - Probation and Parole (3CR)
  or
- CRMJ 2430 - The Community and the Police (3CR)
- CRMJ 2895 - Capstone Directed Studies in Criminal Justice (1CR)
- FIRE 1670 - Basic Emergency Care/First Responder (3CR)
- PSYC 1000 - General Psychology (3CR)
- SOC 1000 - Introduction to Sociology (3CR)
- SOC 2400 - Criminology (3CR)

Electives (20 credits)

Electives will be selected in consultation with the academic advisor from courses in the departments of Criminal Justice (CRMJ), Psychology (PSYC), Sociology (SOC), Computer Applications (CMAP) or Addictionology (ADDN). In addition, any of the following courses may be selected as an elective:

- CSEC 1530 - Computer Forensics (3CR)
- FIRE 1550 - Causes and Investigation (3CR)
- GEOG 1080 - Introduction to GPS and Maps (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Criminal Justice, A.A.

The A.A. degree in criminal justice offers a curriculum which provides a liberal education, preparing the student to pursue a baccalaureate degree after graduation from Casper College. In so doing, it also attempts to develop the qualities that are desirable for employment in the criminal justice fields: communication capabilities, intelligence, tolerance, self-discipline, and respect for constitutional values. It also develops professional qualities within those students currently employed with a criminal justice agency, and it provides a general knowledge about the successes and failures of America's criminal justice system.

Recommended Curriculum

General Education (Minimum 32 Credits)

1. Exploration and Participation
   - Laboratory Science (4CR)
   - Mathematics (3CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - Cultural Environment (3CR)
   - POLS 1000 - American and Wyoming Government (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2130 - Criminal Investigation I (3CR)
- CRMJ 2210 - Criminal Law I (3CR)
- CRMJ 2230 - Law of Evidence (3CR)
- CRMJ 2250 - Police Administration (3CR)
  or
- CRMJ 2380 - Probation and Parole (3CR)
- CRMJ 2280 - Criminal Procedure (3CR)
- CRMJ 2350 - Introduction to Corrections (3CR)
  or
- CRMJ 2430 - The Community and the Police (3CR)
- CRMJ 2895 - Capstone Directed Studies in Criminal Justice (1CR)
- PSYC 1000 - General Psychology (3CR)
- SOC 1100 - Social Problems (3CR)
- SOC 2400 - Criminology (3CR)

Electives (Minimum 1 credit)

Major elective will be selected in consultation with the academic advisor from courses in the departments of Criminal Justice (CRMJ), Psychology (PSYC), Sociology (SOC), Political Science (POLS), or Addictionology (ADDN).

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Forensic Science, A.S.

The A.S. degree in forensic science offers a curriculum which provides an eclectic education, preparing the student to pursue a baccalaureate degree after graduation from Casper College. In so doing, it attempts to develop skill areas that are desirable for employment or further study in forensic science: math, chemistry, biology and criminal justice. Forensic scientists typically have advanced degrees and work in laboratories. Some forensic scientists with B.S. degrees will find employment in major metropolitan areas as a crime scene technician.

Recommended Curriculum

General Education (Minimum 32 hours)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Included in the major requirements below
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
- CHEM 1005 - Basic Chemistry I (3CR)
  and
- CHEM 1006 - Basic Chemistry Laboratory I (1CR)
  or
- CHEM 1025 - Chemistry I (3CR)
  and
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 2300 - Introductory Organic Chemistry (4CR)
- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2130 - Criminal Investigation I (3CR)
- CRMJ 2230 - Law of Evidence (3CR)
- CRMJ 2570 - Criminalistics (3CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- Electives approved by the advisor (1CR)

Note:

Major courses listed are designed to fit a variety of transfer programs. Students transferring to specific Baccalaureate programs at other institutions should provide their academic advisor with a copy of that program to ensure proper transfer of courses (some substitution of courses will be allowed).

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Diesel Power Technology

Diesel Power Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
     or
   - Mathematics- 1000 level or higher
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- DESL 1540 - Heavy Duty Electrical Systems (3CR)
- DESL 1580 - Power Train, Braking, and Steering (3CR) (5 weeks)
- DESL 1610 - Engine Rebuilding I (9CR) (10 weeks)
- DESL 1620 - Engine Rebuilding II (9CR) (5 weeks Lec, 15 weeks Lab)
- DESL 1650 - Diesel Fuel Systems and Tuning I (5CR) (5 weeks)
- DESL 1660 - Diesel Fuel Systems and Tuning II (3CR) (5 weeks)
- DESL 1850 - Basic Hydraulics (3CR)
- DESL 1980 - Co-op Work Experience (Diesel) (8CR) required
- Diesel, welding or machine tool elective (4CR)

Natural Gas Option:

Complete all degree requirements above with the exception of DESL 1620. DESL 1680 will be taken in its place.

*Permission of instructor required.

- DESL 1680 - Natural Gas Engine Technology (10.5CR) *

Note:

A minimum of a "C" average is required in all Diesel classes to receive the AAS Degree.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Diesel Power Technology Certificate

Diesel power technology consists of two semesters. Four days each week will be lecture and laboratory classes in diesel related courses. One day per week is set aside for on-the-job training and/or laboratory work. Satisfactory completion of those two semesters will earn the student a certificate of completion in diesel power technology.

Certificate Requirements

Fall Semester

- DESL 1540 - Heavy Duty Electrical Systems (3CR)
- DESL 1610 - Engine Rebuilding I (9CR) (10 weeks)
- DESL 1650 - Diesel Fuel Systems and Tuning I (5CR) (5 weeks)
- DESL 1980 - Co-op Work Experience (Diesel) (4CR) required

Spring Semester

- DESL 1580 - Power Train, Braking, and Steering (3CR) (5 weeks)
- DESL 1620 - Engine Rebuilding II (9CR) (5 weeks Lec, 15 weeks Lab)
- DESL 1660 - Diesel Fuel Systems and Tuning II (3CR) (5 weeks)
- DESL 1850 - Basic Hydraulics (3CR)
- DESL 1980 - Co-op Work Experience (Diesel) (4CR) required

Natural Gas Option:

Complete all degree requirements above with the exception of DESL 1620. DESL 1680 will be taken in its place.

* Permission of instructor required.

- DESL 1680 - Natural Gas Engine Technology (10.5CR)

Note:

A minimum of a "C" average is required in all Diesel classes to receive certificate.

Courses listed above may be run separately or concurrently. Separate course enrollment may not be available.

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Drafting and Design

This program is designed to provide the graduate with the education necessary for job opportunities in industry and the curricular flexibility to allow students to take course work that should, with proper planning, transfer to a bachelor's degree program in an allied area. Common allied areas would be architecture, engineering, technology, and industrial arts teaching.

Drafting and Design Technology, A.A.S.

The degree in drafting and design technology requires a core of technical courses in the areas of engineering drafting, residential and commercial architecture, computer-aided drafting, and surveying. This core can provide the preparation necessary for a variety of assignments that may be available in industry. In addition, course work in the areas of science, mathematics, communications, social and behavioral sciences, and humanistic studies provide the general education basis to a productive career and effective citizenship.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Laboratory Science
     or
   - Mathematics (minimum 1000 level)
2. Communication
   (One course minimum)
   - Written or Spoken Communication- 1000 level course minimum
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ENTK 1010 - Elements of Surveying (3CR)
- ENTK 1021 - Descriptive Geometry (3CR)
- ENTK 1060 - Excel Technical Applications (3CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 1650 - Mechanical Drafting and Design I (4CR)
- ENTK 2625 - Mechanical Drafting and Design II (4CR)
- ENTK 1710 - Architectural Drafting I (4CR)
- ENTK 1720 - Architectural Drafting II (4CR)
- ENTK 1750 - Commercial Architectural Drafting (4CR)
- ENTK 2510 - CAD-3D Modeling (4CR)
- ENTK 2550 - Civil Drafting I (4CR)
- GEOG 1100 - Introduction to GIS (4CR)
- Approved electives (3CR): engineering technology, art, construction, electronics, machine tool, robotics, welding, computer component, and business component.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Architectural Graphics and Design Certificate

Certificate Requirements

This certificate is for students wanting to specialize in architectural graphics and design. All classes included in the certificate may be taken concurrently while pursuing the AAS in Drafting and Design Technology.

- ENTK 1510 - Drafting I (4CR) *
- ENTK 1021 - Descriptive Geometry (3CR)
- ENTK 1710 - Architectural Drafting I (4CR) *
- ENTK 1720 - Architectural Drafting II (4CR)
- ENTK 1750 - Commercial Architectural Drafting (4CR)
- CNTK 2510 - Construction Estimating (3CR)

Two additional courses from below:

- CNTK 1700 - Introduction to Construction (4CR)
- CNTK 1870 - Building Materials and Systems (3CR)
- CNTK 1905 - Carpentry (4CR)
- CNTK 2520 - Architectural and Construction Planning (3CR)
- CNTK 2525 - Construction Project Management (3CR)

Note:

The normal length of this program is nine months.

*These courses are often completed by students previous to being a degree seeking student at Casper College and are included in the AAS Drafting and Design Technology degree as well.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements".

Mechanical Graphics and Design Certificate

Certificate Requirements

This certificate is for students wanting to specialize in mechanical graphics and design. All classes included in the certificate may be taken concurrently while pursuing the AAS in Drafting and Design Technology.

- ENTK 1510 - Drafting I (4CR) *
- ENTK 1021 - Descriptive Geometry (3CR)
- ENTK 2510 - CAD-3D Modeling (4CR) *
- ENTK 1650 - Mechanical Drafting and Design I (4CR)
- ENTK 2525 - Design and Manufacturing Methods I (4CR)
- ENTK 2625 - Mechanical Drafting and Design II (4CR)
- 2 additional courses from below:
  MCHT 2780, MCHT 2790, MCHT 2800.

Note:

*These courses are often completed by students previous to being a degree seeking student at Casper College and are included in the AAS Drafting and Design Technology degree as well.

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Economics

Economics, A.S.

The following two-year curriculum is offered as a guide in meeting the Casper College general education requirements and to prepare students wishing to pursue four-year degrees in economics.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Laboratory Science (4CR)
   - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- COSC 1200 - Computer Information Systems (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- ECON 1020 - Principles of Microeconomics (3CR)
- MATH 2200 - Calculus I (5CR)
  or
- MATH 2350 - Business Calculus I (4CR)
- MATH 2205 - Calculus II (5CR)
  or
- MATH 2355 - Business Calculus II (4CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
- Electives (12CR) - Recommended electives: courses in accounting, business, mathematics, statistics and sciences.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Education

The Casper College education program provides the first two years of a baccalaureate degree program, which leads to certification of elementary and secondary public school teachers. Students who follow the recommended curriculum may also receive an associate of arts or an associate of science degree from Casper College.

Students should consult the catalogs of the colleges or universities to which they are transferring for requirements.

Notice of background check: All education students are subject to background checks and fingerprinting for selected educational coursework involving student contact and future employment as professionals in education and related fields.

Early Childhood Education

The Early Childhood program is designed to qualify students for teaching and management positions in child care centers, preschools, child development centers, and in other positions dealing with the care and education of young children. Students may pursue coursework for transfer to baccalaureate programs in Elementary Education, Early Childhood Education, or Child Development. Students may also pursue coursework for a minor degree and/or teaching endorsement in early childhood education.

Notice of background check: All education students are subject to background checks and fingerprinting for selected educational coursework involving student contact and future employment as professionals in education and related fields.

Early Childhood Education, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Two (2) Laboratory Science (8CR)
    - MATH 1000 - Problem Solving (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - POLS 1000 - American and Wyoming Government (3CR)
    - PSYC 1000 - General Psychology (3CR)
    - SOC 2325 - Marriage and Family (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (1CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- EDEC 1020 - Introduction to Early Childhood Education (3CR)
- EDEC 1030 - Infant and Toddler Care (2CR)
- EDEC 1035 - Infant and Toddler Care Lab (1CR)
- EDEC 1100 - Observation and Guidance of Young Children (2CR)
- EDEC 1105 - Observation and Guidance of Young Children Lab (1CR)
- EDEC 1200 - Administration in Early Childhood Programs (3CR)
- EDEC 1300 - Curriculum Planning and Development for Young Children (2CR)
- EDEC 1305 - Curriculum Planning and Development for Young Children Lab (1CR)
- EDEC 2210 - Student Teaching in Early Childhood Education (6CR)
- FCSC 1141 - Principles of Nutrition (3CR)
- FCSC 2122 - Child Development Lab (1CR)
- HLTK 1620 - American Heart Association Heart Saver First Aid, CPR and AED (.33CR)
- LIBS 2280 - Literature for Children (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- Approved Elective (1CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

To obtain a degree in early childhood education all major educational coursework must be passed with a “C” or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Elementary Education, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed within or outside of the major field of study.

1. Exploration and Participation
    - MATH 1100 - Number and Operations for Elementary School Teachers (3CR)

    Lab Science

    (choice of two listed below must be taken concurrently with science seminar)
    - LIFE 1020 - Life Science (4CR) *
    - GEOL 1070 - Earth Science for Elementary Education Majors (4CR) **
    - PHYS 1090 - Fundamentals of Physical Universe (4CR) ***
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - POLS 1000 - American and Wyoming Government (3CR)
    - PSYC 1000 - General Psychology (3CR)
    - PSYC 2300 - Developmental Psychology (3CR)
    - Cultural Environment (3CR)

4. General Education Electives (2CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

Science Seminar

(Choice of two listed below must be taken concurrently with lab science)

- EDCI 1430 - Life Science in the Elementary School (1CR) *
- EDCI 1440 - Physical Science in the Elementary School (1CR) ***
- EDCI 1450 - Earth Science in the Elementary School (1CR) **
- EDCI 1500 - Introduction to Teaching (1CR)
- EDEL 1410 - Theory I Seminar: Education (1CR)
- EDEL 2410 - Theory II Seminar: Education (1CR)
- EDEX 2484 - Introduction to Special Education (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- HLED 2006 - Health for Elementary Educators (1CR)
- ITEC 2360 - Teaching with Technology (3CR)
- LIBS 2280 - Literature for Children (3CR)
- MATH 1105 - Data, Probability and Algebra for Elementary School Teachers (3CR)
- MATH 2120 - Geometry and Measurement for Elementary School Teachers (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)
- (Third Lab Science HIGHLY recommended)

Approved Electives

Lab Science

(Choice of one listed below must be taken concurrently with science seminar)

- LIFE 1020 - Life Science (4CR) *
- GEOL 1070 - Earth Science for Elementary Education Majors (4CR) **
- PHYS 1090 - Fundamentals of Physical Universe (4CR) ***

Science Seminar

(Choice of one listed below must be taken concurrently with lab science)

- EDCI 1430 - Life Science in the Elementary School (1CR) *
- EDCI 1440 - Physical Science in the Elementary School (1CR) ***
- EDCI 1450 - Earth Science in the Elementary School (1CR) **
- CO/M 1010 - Public Speaking (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- ART courses (3CR)
- MUSC courses (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Social Studies – Secondary Education, A.A.

The Casper College secondary education-social studies degree provides the first two years of a baccalaureate degree program which leads to certification in secondary social studies education. Students should consult the catalogs of the colleges or universities to which they are transferring for requirements.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - POLS 1000 - American and Wyoming Government (3CR)
    - PSYC 1000 - General Psychology (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (9CR)
    - Must be chosen from areas 1, 2, or 3 above; should include one additional four-credit lab science; MATH, STAT, CO/M recommended; recommend eight-credits in one world language; no more than 15 credits in any one area.
5. Physical Education (1CR)

Major Requirements

- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- ITEC 2360 - Teaching with Technology (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)

Five courses (15 credits) from the following list:

- ANTH 1100 - Introduction to Physical Anthropology (3CR)
- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ANTH 2210 - North American Indian (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- ECON 1020 - Principles of Microeconomics (3CR)
- GEOG 1000 - World Regional Geography (3CR)
- GEOG 1010 - Introduction to Physical Geography (4CR)
- HIST 1110 - Western Civilization I (3CR)

- HIST 1120 - Western Civilization II (3CR)
- HIST 1211 - United States to 1865 (3CR)
- HIST 1221 - United States from 1865 (3CR)
- HIST 1251 - History of Wyoming (3CR)
- POLS 1200 - Non-Western Political Cultures (3CR)
- POLS 2200 - Politics of Europe (3CR)
- POLS 2310 - Introduction to International Relations (3CR)
- POLS 2410 - Introduction to Public Administration (3CR)
- POLS 2460 - Introduction to Political Philosophy (3CR)
- SOC 1000 - Introduction to Sociology (3CR)
- SOC 1100 - Social Problems (3CR)
- SOC 2200 - Sociology of Human Sexuality (3CR)
- SOC 2325 - Marriage and Family (3CR)
- SOC 2400 - Criminology (3CR)

Secondary Education

Secondary Education majors at Casper College who intend to transfer to the University of Wyoming and most accredited secondary education programs need to complete the following courses prior to entering Phase 2:

- EDEX 2484 - Introduction to Special Education (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- ITEC 2360 - Teaching with Technology (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)

Note:

Some bachelor degrees require Adolescent Psychology.

Student advisement for secondary education is done by the department which offers the subject area that the student wants to teach.

The University of Wyoming requires a major core area of 15 credits in one subject. Nine credits of U.S. history (if history is not the major core). Six to nine credits in the five remaining areas.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Electrical Apprenticeship Programs

Electrical Apprenticeship Programs

An electrical apprenticeship is an occupational training program that combines on-the-job experience with classroom instruction in electrical theory, code and application designed to meet government and/or industry regulations. Casper College provides formalized training for the electrical apprenticeship programs shown below.

Independent Electrical Apprenticeship Training

Independent electrical apprenticeship training is provided for electricians by Casper College. The classes are scheduled in an evening format and meet the state requirements and content for electrical training based upon the State of Wyoming Department of Fire Prevention and Electrical Safety standards. The following classes are offered on either a yearly or biyearly basis. Students must meet the requirements of Casper College. Students must meet the class prerequisites or have department head approval to register for any of the independent electrical apprenticeship classes with the exception of ELAP 1515.

Electrical Apprenticeship Classes

- ELAP 1515 Electrical I (5CR)
- ELAP 1525 Electrical II (5CR)
- ELAP 1535 Electrical III (5CR)
- ELAP 1545 Electrical IV (5CR)
- ELAP 1555 Electrical V (5CR)
- ELAP 1565 Electrical VI (5CR)
- ELAP 1575 Electrical VII (5CR)
- ELAP 1585 Electrical VIII (5CR)

For more information contact:

For more information on independent apprenticeship training contact: Casper College at 1-800-442-2963 extension 2459.

Wyoming Electrical Joint Apprenticeship and Training Council

Casper College partners with the Wyoming Electrical Joint Apprentice Training Council (JATC) to provide extensive classroom training (60 credit hours) designed to complement on-the-job training received by electrical apprentices. Classes meet several times a year for a week at a time over the 4-year apprenticeship program duration. The combination of coursework and training prepare an apprentice electrician to take the journeyman electrician exam administered by the State of Wyoming Department of Fire Prevention and Electrical Safety.

The following classes are offered on a yearly basis for electrical apprentices working under the direction of the Wyoming Electrical JATC. Students must meet the requirements of Casper College and the Wyoming Electrical JATC.

Electrical Apprenticeship Classes

- ELAP 1510 Electrical I (5CR)
- ELAP 1520 Electrical II (5CR)
- ELAP 1530 Electrical III (5CR)
- ELAP 1540 Electrical IV (5CR)
- ELAP 1550 Electrical V (5CR)
- ELAP 1560 Electrical VI (5CR)
- ELAP 1570 Electrical VII (6CR)
- ELAP 1580 Electrical VIII (6CR)
- ELAP 1590 Electrical IX (6CR)
- ELAP 1600 Electrical X (6CR)

For more information contact:

Casper College at 1-800-442-2963 extension 2459 or the Wyoming Electrical JATC office at 307-234-8311.

Electronics

The electronics technology department offers courses that are designed to provide students with the knowledge and skills that lead to employment and advancement in the electronics industry. The electronics technology degree will also transfer to a four-year college for additional training in electronics technology.

Electronics Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Laboratory Science
     or
   - Mathematics
2. Communication
   - Written or Spoken Communication (3CR)
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ELTR 1535 - Electrical Power (3CR)
- ELTR 1570 - Electric Circuits (4CR)
- ELTR 1605 - Process Control (3CR)
- ELTR 1620 - Electrical Concepts Laboratory (1.5CR)
- ELTR 1700 - Introduction to Solid State Electronics (4CR)
- ELTR 1750 - Electronic Design and Fabrication (2CR)
- ELTR 1760 - Introduction to Digital Electronics (4.5CR)
- ELTR 1770 - Microprocessor Fundamentals (4.5CR)
- ELTR 2600 - Electronic Communication (4.5CR)
- ELTR 2610 - Advanced Microprocessors (3CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- ELTR 2870 - CCD Cameras and Security Systems (2CR)
- ELTR 2910 - Computer Networking (2CR)
- ELTR 2920 - Small Computer Repair Techniques (3CR)
- ELTR 2925 - Fiber Optics (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Computer Electronics Certificate

Certificate Requirements (30CR Minimum)

- ELTR 1750 - Electronic Design and Fabrication (2CR)
- ELTR 1760 - Introduction to Digital Electronics (4.5CR)
- ELTR 1770 - Microprocessor Fundamentals (4.5CR)
- ELTR 2610 - Advanced Microprocessors (3CR)
- ELTR 2870 - CCD Cameras and Security Systems (2CR)
- ELTR 2910 - Computer Networking (2CR)
- ELTR 2920 - Small Computer Repair Techniques (3CR)
- ELTR 2925 - Fiber Optics (4CR)

Optional Courses

- CMAP 1610 - Windows I (2CR)
- Approved Electives (3-4CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Industrial Electronics Certificate

Certificate Requirements (Minimum 30 credits)

- ELTR 1535 - Electrical Power (3CR)
- ELTR 1570 - Electric Circuits (4CR)
- ELTR 1605 - Process Control (3CR)
- ELTR 1620 - Electrical Concepts Laboratory (1.5CR)
- ELTR 1700 - Introduction to Solid State Electronics (4CR)
- ELTR 1750 - Electronic Design and Fabrication (2CR)
- ELTR 1770 - Microprocessor Fundamentals (4.5CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- ELTR 2925 - Fiber Optics (4CR)

Optional Courses

- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 2910 - Computer Networking (2CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Engineering

Engineering, A.S.

The engineering department offers courses in engineering science required for the first two years of the four-year degree. Students should consult the curriculum of the institution to which transfer is intended.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- ES 1060 - Introduction to Engineering Computing (3CR)
- ES 2110 - Statics (4CR)
- ES 2120 - Dynamics (4CR)
- MATH 2200 - Calculus I (5CR)
- MATH 2205 - Calculus II (5CR)
- MATH 2210 - Calculus III (5CR)
- PHYS 1310 - College Physics I (4CR)

Electives (Minimum 8 credits from following courses)

- EE 2070 - Engineering Surveying (3CR)
- ES 2210 - Engineering Circuit Theory (4CR)
- ES 2310 - Thermodynamics (4CR)
- ES 2330 - Fluid Dynamics (4CR)
- ES 2410 - Mechanics of Materials I (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

To obtain a degree in engineering, a student must obtain a grade of "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

English and Literature

English, A.A.

An undergraduate degree in English is valuable preparation for a future in many professional areas including business, federal service, law, and medicine. English continues to be excellent preparation for a career in education. Students with specific professional plans should consult advisors in those areas.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ENGL 2210 - English Literature I (3CR)
- ENGL 2310 - American Literature I (3CR)
- ENGL 2220 - English Literature II (3CR)
  or
- ENGL 2320 - American Literature II (3CR)
- Writing course (2000-level or above) (3CR)
- Three additional literature courses (9CR)
- World language (8CR)
- Communication Course (3CR)

Any course from the following areas (3 credits):

ANTH, ADDN, ARAB, ART, ASTR, BIOL, CHEM, CO/M, CRMJ, ECON, ENTO, FREN, GEOG, HIST, HUMN, JAPN, MATH, MOLB, MUSC, PEAC, PHIL, PHYS, POLS, PSYC, RELI, RUSS, SOC, SPAN, STAT, THEA, WMST, ZOO

Associate of Arts Degree English Writing Option

The writing emphasis is recommended for anyone who is interested in being a professional free-lance writer or a technical writer, or in working in public relations, journalism, communication or teaching. It also is appropriate for pre-law, pre-medicine or business majors and for anyone who wants to strengthen communication skills.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CO/M 2100 - Reporting and Newswriting I (3CR)
  or
- CO/M 2355 - Introduction to Media Photography (3CR)
  or
- ENGL 2005 - Technical Writing (3CR)
- ENGL 2050 - Creative Writing: Intro to Fiction (3CR)
  or
- ENGL 2060 - Creative Writing: Introduction to Nonfiction (3CR)
  or
- ENGL 2080 - Creative Writing: Introduction to Poetry (3CR)
- ENGL 2210 - English Literature I (3CR)
- ENGL 2310 - American Literature I (3CR)
- ENGL 2220 - English Literature II (3CR)
  or
- ENGL 2320 - American Literature II (3CR)
- One additional literature or writing course (above 2000 level) (3CR)
- Communication (3CR)
- World language (8CR)

Any course from the following areas (3 credits):

ANTH, ADDN, ARAB, ART, ASTR, BIOL, CHEM, CO/M, CRMJ, ECON, ENTO, FREN, GEOG, HIST, HUMN, JAPN, MATH, MOLB, MUSC, PEAC, PHIL, PHYS, POLS, PSYC, RELI, RUSS, SOC, SPAN, STAT, THEA, WMST, ZOO

Associate of Arts Degree English Majors

For those who plan to teach high school English.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (9-10CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- ENGL 2210 - English Literature I (3CR)
- ENGL 2310 - American Literature I (3CR)
- ENGL 2220 - English Literature II (3CR)
  or
- ENGL 2320 - American Literature II (3CR)
- One additional literature course (3CR)
- World language (8CR)

Any course from the following areas (3 credits):

ANTH, ADDN, ARAB, ART, ASTR, BIOL, CHEM, CO/M, CRMJ, ECON, ENTO, FREN, GEOG, HIST, HUMN, JAPN, MATH, MOLB, MUSC, PEAC, PHIL, PHYS, POLS, PSYC, RELI, RUSS, SOC, SPAN, STAT, THEA, WMST, ZOO

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Environmental Science

Environmental Science, A.S.

The environmental science degree is intended to provide students with the knowledge needed to find entry level work in a variety of environmental disciplines. The degree may also be used to fulfill the first two years of a four year degree. Students should consult the catalogs and curriculum of the institution where they are considering transferring for their requirements.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 24 credits)

- BADM 1000 - Introduction to Business (3CR)
- CO/M 2090 - Introduction to Persuasion (3CR)
- CO/M 2120 - Small Group Communication (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- ENR 1200 - Environment (4CR)
  or
- ENR 1500 - Water, Dirt, and Earth's Environment (4CR)
  or
- ENR 2000 - Environment and Society (3CR)
- GEOL 1500 - Water, Dirt, and Earth's Environment (4CR)
- GEOG 1050 - Introduction to Environmental and Natural Resources (3CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- STAT 2050 - Fundamentals of Statistics (5CR)

Electives (17 credits)

Students should choose a wide variety of electives based on their field of interest. It is important that the student work closely with their advisor and have a clear educational goal. Electives can include any course in ATSC, BIOL, CHEM, GEOG, GEOL, ENR, MOLB, or any of the courses below:

- ANTH 1100 - Introduction to Physical Anthropology (3CR)
- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ANTH 2210 - North American Indian (3CR)
- ART 2016 - Field Sketching (3CR)

- COSC 1010 - Introduction to Computer Science (4CR)
- AECL 1000 - Agroecology (4CR)
- ECON 2400 - Environmental Economics (3CR)
- ENGL 2006 - Environmental Literature (3CR)
- ENGL 2005 - Technical Writing (3CR)
- ENGL 2055 - Creative Writing: Writing in the Wild (3CR)
- ENVT 1560 - Water Treatment Plant Operation I (3CR)
- ENVT 1570 - Wastewater Treatment Plant Operation I (3CR)
- EXTR 2560 - Energy Policy and Economics (3CR)
- MATH 1405 - Pre-Calculus Trigonometry (3CR)
- REWM 1000 - Introduction to Range Management (1CR)
- REWM 2000 - Principles of Range Management (3CR)
- SOC 2112 - Environmental Sociology (3CR)
- SOIL 2010 - Introduction to Soil Science (4CR)
- ZOO 2450 - Principles of Fish and Wildlife Management (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Extractive Resources Technology

The extractive resources technology program is designed to provide the student with the knowledge and skills required for employment in the petroleum and natural gas industries. The program gives the students a broad range of skills that are essential for technicians who want to work in the petroleum and natural gas service, production, transportation, and refining industries. Students can receive a two-year associate of applied science degree or a one-year certificate in the area of extractive resources technology.

Extractive Resources Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
     or
   - Mathematics- 1000 level or higher
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements – Instrumentation Option

- COSC 1200 - Computer Information Systems (3CR)
- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ELTR 1535 - Electrical Power (3CR)
- ELTR 1605 - Process Control (3CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- ENVT 1600 - Industrial Safety (4CR)
- EXTR 1500 - Geology of Extractive Resources (3CR)
- EXTR 2510 - Introduction to Well Drilling (3.5CR)
- EXTR 2520 - Introduction to Well Logging (3CR)
- EXTR 2530 - Oil and Gas Production (3.5CR)
- EXTR 2540 - Petroleum Refining (3CR)
- GEOG 1080 - Introduction to GPS and Maps (3CR)
- GEOL 2320 - Petroleum Geology (3CR)
- Approved electives (2CR)

Major Requirements – Mapping Option

- COSC 1200 - Computer Information Systems (3CR)
- ENVT 1600 - Industrial Safety (4CR)
- EXTR 1500 - Geology of Extractive Resources (3CR)
- EXTR 2510 - Introduction to Well Drilling (3.5CR)
- EXTR 2520 - Introduction to Well Logging (3CR)
- EXTR 2530 - Oil and Gas Production (3.5CR)
- EXTR 2540 - Petroleum Refining (3CR)
- GEOG 1080 - Introduction to GPS and Maps (3CR)
- GEOG 1100 - Introduction to GIS (4CR)
- GEOG 1110 - Management and Implementation of GIS (4CR)
- GEOG 2150 - Map Use and Analysis (3CR)
- GEOL 2320 - Petroleum Geology (3CR)
- Approved Electives (7CR)

Note:

* Approved electives may be any other extractive resources, geology, geography or related areas.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Extractive Resources Technology Certificate

Certificate Requirements

- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ELTR 1535 - Electrical Power (3CR)
- ELTR 1605 - Process Control (3CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- ENVT 1600 - Industrial Safety (4CR)
- EXTR 1500 - Geology of Extractive Resources (3CR)
- GEOG 1080 - Introduction to GPS and Maps (3CR)
- Approved electives in extractive resources, electronics, or related areas (7CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Fire Science

The fire science technology program is designed to provide the student with the knowledge and skills necessary for fire service employment or job advancement within the profession, or for transfer to a four-year school for additional training in fire science management.

Fire Science Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
     or
   - Mathematics- 1000 level or higher
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 30 credits fire science)

- FIRE 1500 - Introduction to Fire Science (3CR)
- FIRE 1510 - Fire Fighting Strategy and Tactics I (3CR)
- FIRE 1520 - Fire Fighting Strategy and Tactics II (3CR)
- FIRE 1550 - Causes and Investigation (3CR)
- FIRE 1570 - Fire-Related Codes and Ordinances (3CR)
- FIRE 1670 - Basic Emergency Care/First Responder (3CR)
- FIRE 1700 - Fundamentals of Fire Prevention (3CR)
- FIRE 1760 - Building Construction (3CR)
- FIRE 1810 - Introduction to Wildland Fire Fighting (3CR)
- FIRE 1830 - Intermediate Wildland Fire Behavior (3CR)
- FIRE 2525 - Rescue Practices for the Fire Service (3CR)
- FIRE 2560 - Apparatus and Procedures (3CR)
- FIRE 2570 - Managing Fire Service (3CR)
- FIRE 2625 - Advanced Rescue Practices (3CR)
- FIRE 2700 - Supervisory Management (3CR)
- Electives (14CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Dispatch Certificate Program

A certificate in dispatch will train students in criminal law, professionalism and ethics, emergency telephone answering techniques, radio dispatching and codes, critical incidents, stress management, community policing and relations in addition to software use for dispatch programs. The program blends theory and practice into a learning experience that develops skills applicable to complex real-world problems and is designed to provide a solid foundation for future professional growth to help meet the growing demand for professionals with information assurance expertise in various disciplines.

Certificate Requirements

- BOTK 1655 - Keyboarding Speed and Accuracy (1CR)
- BOTK 1800 - Dispatch Software Programs (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- COSC 1200 - Computer Information Systems (3CR)
- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- EMGT 1500 - Principles of Emergency Management (2CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Fire Science Technology Certificate

Certificate Requirements

A minimum of 30 credits is required from the list below.

- FIRE 1500 - Introduction to Fire Science (3CR)
- FIRE 1510 - Fire Fighting Strategy and Tactics I (3CR)
- FIRE 1520 - Fire Fighting Strategy and Tactics II (3CR)
- FIRE 1550 - Causes and Investigation (3CR)
- FIRE 1570 - Fire-Related Codes and Ordinances (3CR)
- FIRE 1670 - Basic Emergency Care/First Responder (3CR)
- FIRE 1700 - Fundamentals of Fire Prevention (3CR)
- FIRE 1760 - Building Construction (3CR)
- FIRE 1810 - Introduction to Wildland Fire Fighting (3CR)
- FIRE 1830 - Intermediate Wildland Fire Behavior (3CR)
- FIRE 2525 - Rescue Practices for the Fire Service (3CR)
- FIRE 2560 - Apparatus and Procedures (3CR)
- FIRE 2570 - Managing Fire Service (3CR)
- FIRE 2625 - Advanced Rescue Practices (3CR)
- FIRE 2700 - Supervisory Management (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

General Studies

The general studies degree is designed for those students who have not yet decided upon a specific field of study. It can also be earned by students who plan to pursue a specialized curriculum at a transfer institution or by those interested in earning an associate degree via distance education media.

General Studies, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 32 credits)

- General studies courses (32CR) - should be chosen in consultation with an academic advisor. Consider the requirements of the institution to which you will transfer, and your personal goals.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

General Studies, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 32 credits)

- General studies courses (32CR) - Should be chosen in consultation with an academic advisor. Consider the requirements of the institution to which you will transfer, and your personal goals.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Geography

Students may obtain either the one-year certificate in Geographic Information Systems (GIS), or the Associate of Science in GIS. Additionally, students in many fields may obtain a minor concentration (equivalent to the certificate curriculum) in the course of obtaining their associate's degree.

The certificate program is designed for persons wishing to obtain GIS training in order to enhance their academic degree or current career choice.

Students seeking either the certificate or the associate of science degree must complete a minimum of 32 credits in the major requirements listed. These 32 credits are split between the categories of basic skills, core requirements, and area of expertise. Consideration toward satisfying some of the requirements will be given to students entering the program who have had documented work experience, equivalent course work at another institution, or completion of workshops from recognized providers such as ESRI. Students should consult with their advisor early in the application process to determine eligibility of previous work. Students wanting credit for work experience or workshop participation will be asked to supply a portfolio of work which will be evaluated by program faculty.

Geographic Information Systems, A.S.

Students may obtain either the one-year certificate in Geographic Information Systems (GIS), or the Associate of Science in GIS. Additionally, students in many fields may obtain a minor concentration (equivalent to the certificate curriculum) in the course of obtaining their associate's degree.

The certificate program is designed for persons wishing to obtain GIS training in order to enhance their academic degree or current career choice.

Students seeking the associate of science degree must complete a minimum of 32 credits in the major requirements listed. These 32 credits are split between the 5 core GIS classes (GEOG 1080, GEOG 1100, GEOG 1110, GEOG 2100 and GEOG 2150) and the list of approved GIS electives. Consideration toward satisfying some of the requirements will be given to students entering the program who have had documented work experience, equivalent course work at another institution, or completion of workshops from recognized providers such as ESRI. Students should consult with their advisor early in the application process to determine eligibility of previous work. Students wanting credit for work experience or workshop participation will be asked to supply a portfolio of work which will be evaluated by program faculty.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3-4CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (8-11CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 32 credits)

Students must have a "C" or better in all major required coursework.

- GEOG 1080 - Introduction to GPS and Maps (3CR)
- GEOG 1100 - Introduction to GIS (4CR)
- GEOG 1110 - Management and Implementation of GIS (4CR)
- GEOG 2100 - Advanced GIS (4CR)
- GEOG 2150 - Map Use and Analysis (3CR)

Additional Requirements (14 credits)

Students should select a minimum of 14 credits from the following list of courses to satisfy their area of expertise. Electives to be selected in consultation with advisor.

- AGRI 1020 - GPS and GIS in Agriculture (2CR)
- CMAP 1815 - Database Applications (3CR)
- COSC 1010 - Introduction to Computer Science (4CR)
- COSC 1030 - Computer Science I (4CR)
- COSC 2030 - Computer Science II (4CR)
- COSC 2405 - User Interface Design (2CR)
- COSC 2406 - Programming in Java (4CR)
- ES 1060 - Introduction to Engineering Computing (3CR)
- ENTK 1010 - Elements of Surveying (3CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 2500 - Computer-Aided Drafting I (AutoCAD) (2CR)
- ENTK 2505 - Computer-Aided Drafting II (AutoCAD) (2CR)
- ENTK 2550 - Civil Drafting I (4CR)
- EXTR 1500 - Geology of Extractive Resources (3CR)
- EXTR 2520 - Introduction to Well Logging (3CR)
- EXTR 2550 - Geologic Computing Methods (3CR)
- EXTR 2560 - Energy Policy and Economics (3CR)
- EXTR 2570 - Introduction to Seismic Interpretation (3CR)
- GEOG 1000 - World Regional Geography (3CR)
- GEOG 1050 - Introduction to Environmental and Natural Resources (3CR)
- GEOG 2480 - GIS Cooperative Work Experience
- GEOG 2490 - Topics: Subtitle
- GEOL 1100 - Physical Geology (4CR)
- GEOL 2150 - Geomorphology (4CR)
- RETK 2500 - Basic Site Planning (3CR)
- Any BIOL or FIRE course may be taken with advisor approval.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Geographic Information Systems Certificate

Certificate Requirements

Students must have a "C" or better in all major required coursework.

- GEOG 1080 - Introduction to GPS and Maps (3CR)
- GEOG 1100 - Introduction to GIS (4CR)
- GEOG 1110 - Management and Implementation of GIS (4CR)
- GEOG 2100 - Advanced GIS (4CR)
- GEOG 2150 - Map Use and Analysis (3CR)

Note:

The normal length of this program is 4 months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Geology

The geology department offers courses of general interest and many courses that meet requirements of laboratory physical sciences. Many of the advanced geology classes (generally sophomore level) will transfer to four-year institutions and count toward a degree in geology; however, it is incumbent upon the student to check with the school to which they will eventually transfer to determine applicability and transferability. Sophomore-level geology classes will be offered only if there is sufficient student interest and demand.

The transfer school of choice and anticipated specialty are considerations in selecting mathematics courses and electives. At least two semesters each of calculus and physics are required at most schools. In addition, many schools require a minimum of two semesters of world language. World language will count toward the general education humanistic requirements at Casper College and at many four-year schools. Consult the transfer school's catalog and your advisor to work out a program.

Geology, A.S.

Completion of this degree can be used to either gain immediate employment as a geological technician or demonstrates fulfillment of the first half of requirements for transfer students planning to complete a bachelor's degree in geology.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study

1. Exploration and Participation
    - GEOL 1100 - Physical Geology (4CR)
      or
    - GEOL 1500 - Water, Dirt, and Earth's Environment (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 32 credits)

All of the following:

- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- GEOL 2010 - Mineralogy and Petrography I (5CR)
- GEOL 2050 - Principles of Paleontology (3CR)
- GEOL 2100 - Stratigraphy and Sedimentation (4CR)
- MATH - Additional 4CR

Electives (12 credits)

Choose 12 credits from the following:

- ATSC 2000 - Introduction to Meteorology (4CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- GEOG (3CR) - any geography course
- GEOL 1015 - Geology in the Field (2CR)
- GEOL 1020 - Geology of Wyoming (1CR)
- GEOL 1021 - Geology of Wyoming Field Trip (1CR)
- GEOL 1040 - Gemstones and Their Geologic Origins (1CR)
- GEOL 2000 - Geochemical Cycles and the Earth System (4CR)
- GEOL 2005 - Introduction to Geophysics (4CR)
- GEOL 2020 - Introduction to Petrology (2CR)
- GEOL 2080 - General Field Geology (4CR)
- GEOL 2150 - Geomorphology (4CR)
- MATH 2200 - Calculus I (5CR)
- MATH 2205 - Calculus II (5CR)
- MATH 2210 - Calculus III (5CR)
- MATH 2250 - Elementary Linear Algebra (3CR)
- STATS (3CR) - Any statistics course
- Other appropriate courses approved by advisor

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

To obtain a degree in geology, a student must obtain a grade of "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts and Associate of Applied Science Degrees.

Health Science

The Associate of Science in Health Science supports degree work that can be accomplished during the time a student may be waiting for admission to a specific program. Only one health science degree may be earned while enrolled at Casper College. Students will be advised by faculty who are involved in the program of interest and will assist with the selection of additional electives that are required to graduate.

Health Science, A.S.

Recommended Curriculum

General Education: (Minimum of 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Laboratory Science (8CR)
   - MATH 1000 - Problem Solving (3CR)
     or
   - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming Constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum of 32 credits)

Allied Health Courses (2CR)

- HLTK 1500 - Introduction to Health Care and Services (2CR)
  or
- HLTK 1550 - Introduction to Health Careers I (1CR)
  and
- HLTK 1555 - Introduction to Health Careers II (1CR)

Major Emphasis (Minimum 30 credits)

See a program director or faculty for specific prerequisites for entry into a health science program. Additional courses of choice will need to be taken to complete the remaining 30 hours of major requirements.

Athletic Training Emphasis

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- FCSC 1141 - Principles of Nutrition (3CR)
- KIN 1020 - Taping and Wrapping for Orthopedic Injuries (1CR)
- KIN 1052 - Introduction to Athletic Training (3CR)
- KIN 2050 - Functional Kinesiology (3CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- ZOO 2040 - Human Anatomy (3CR)

- ZOO 2041 - Human Anatomy Lab (1CR)
- Electives (8CR)

Pre-Medical Lab Technician Training Emphasis

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- CMAP 1505 - Introduction to Computers (1CR) *
- CO/M 1505 - Communication for Professional Success *
- MLTK 1800 - Principles of Phlebotomy (3CR) *
- MLTK 1970 - Clinical Practicum: Phlebotomy (2CR) *
- MOLB 2210 - General Microbiology (4CR)
- MOLB 2240 - Medical Microbiology (4R)
- PSYC 1000 - General Psychology (3CR)
- SOC 1000 - Introduction to Sociology (3CR) *
- Electives (6CR)

* Students may successfully complete these courses to become eligible to sit for the Phlebotomy Technician national certification examination through the American Society of Clinical Pathology.

Pre-Nursing Emphasis

- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
  or
- SOC 1000 - Introduction to Sociology (3CR)
- HLTK 1200 - Medical Terminology (3CR)
- MOLB 2210 - General Microbiology (4CR)
  or
- MOLB 2240 - Medical Microbiology (4R)
- NRST 1500 - Nursing Assistant (4CR)
- PSYC 1000 - General Psychology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (5CR)

Pre-Occupational Therapy Assistant Emphasis

- ART 1000 - General Art: Studio (3CR)
- CO/M 1030 - Interpersonal Communication (3CR)
- COTA 2300 - Fieldwork Integration I (2CR)
- OCTH 2000 - Introduction to Occupational Therapy (2CR)
- PSYC 1000 - General Psychology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (9CR)

Pre-Paramedic Technology Emphasis

- EMT 1500 - Emergency Medical Technician (9CR) *
- HLTK 1200 - Medical Terminology (3CR)
- HLTK 1625 - American Heart Association BLS for the Healthcare Provider (.33CR) *
- PSYC 1000 - General Psychology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (7CR)

* Completion of these courses is required to sit for the Emergency Medical Technician Examination.

Pre-Pharmacy Technology Emphasis

- CHEM 1005 - Basic Chemistry I (3CR)
- CHEM 1006 - Basic Chemistry Laboratory I (1CR)
- HLTK 1200 - Medical Terminology (3CR)
- HLTK 1625 - American Heart Association BLS for the Healthcare Provider (.33CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- PHTK 1500 - Introduction to Profession of Pharmacy (1CR)
- PSYC 1000 - General Psychology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- Electives (11CR)

Pre-Radiography Emphasis

- COSC 1200 - Computer Information Systems (3CR)
- HLTK 1200 - Medical Terminology (3CR) *
- MATH 1400 - Pre-Calculus Algebra (4CR)
- PSYC 1000 - General Psychology (3CR)
  or
- SOC 1000 - Introduction to Sociology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (9CR)

Pre-Respiratory Therapy Emphasis

- CHEM 1005 - Basic Chemistry I (3CR)
  and
- CHEM 1006 - Basic Chemistry Laboratory I (1CR)
  or
- PHYS 1050 - Concepts of Physics (4CR)
- HLTK 1200 - Medical Terminology (3CR)
- PSYC 1000 - General Psychology (3CR)
  or
- SOC 1000 - Introduction to Sociology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (12CR)

Recommended Electives

- CMAP 1550 - E-Portfolio Development (1CR)
- HLTK 1350 - The HIV/AIDS Epidemic (2CR)
- HLTK 1370 - Issues in Women's Health (2CR)
- HLTK 1860 - Conditions and Symptomology (3CR)
- HLTK 1870 - Therapeutic Applications (3CR)
- HLTK 1625 - American Heart Association BLS for the Healthcare Provider (.33CR)
- HLTK 1975 - Spanish for Health Care Workers (3CR)
- HLTK 2120 - Physical Assessment and Laboratory Data Interpretation (3CR)
- HLTK 2400 - Complementary and Alternative Therapies (CAT) and Nursing (3CR)
- HLTK 2550 - Understanding the Economics, Ethics, and Policies Influencing Health Care (3CR)
- HLTK 2990 - Topics: (Subtitle)
- HMDV 1300 - On Course (2CR)
- PEPR 1052 - Care and Prevention of Athletic Injuries (3CR)
- PEPR 2090 - Foundations of Athletic Coaching (3CR)
- PEPR 2100 - Theory of Coaching: Volleyball (2CR)
- PEPR 2150 - Theory of Coaching: Basketball (2CR)
- PHTK 1000 - Calculations for Health Care (1CR)
- PHTK 1500 - Introduction to Profession of Pharmacy (1CR)

DISCLAIMER

Completion of the health science degree does not guarantee admission to a specific program.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

History

The study of history at Casper College is designed to prepare students for further work in the discipline or in other fields in the humanities and social sciences, and to give perspective on the issues and problems of the contemporary world. Undergraduate work in history can prepare the student for graduate study in the field and careers in government, the law, archive and museum management, and a number of other areas in the private sector. The skills of critical thinking and analysis which are honed by historical study are essential for all educated individuals and are useful in a wide variety of career applications.

History, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - Cultural Environment (3CR)
    - POLS 1000 - American and Wyoming Government (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- HIST 1110 - Western Civilization I (3CR)
- HIST 1120 - Western Civilization II (3CR)
- HIST 1211 - United States to 1865 (3CR)
- HIST 1221 - United States from 1865 (3CR)
- HIST 1251 - History of Wyoming (3CR)
- World language (all in same language) (8CR)
- Electives (9CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Hospitality Management

Hospitality Management, A.A.S.

The hospitality management degree focuses on one of the fastest growing industries in the world. Hospitality includes, among others, focus areas in food and restaurant operations and management, the lodging industry and operations, parks and recreation, management, entrepreneurship, and conference centers. Students majoring in this area typically have an interest in owning or managing an enterprise or organization in the hospitality industry.

This is a nontransfer degree.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)

      or
    - BADM 1020 - Business Communications (3CR)
3. Relationship with the World

   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)

  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2340 - Business Organizations and Government Regulations (3CR)

  or
- BADM 2350 - Commercial Law (3CR)
- HOSP 1520 - Introduction to Hotel-Motel Management Industry (3CR)
- HOSP 1540 - Hotel/Motel Front Office Operations (3CR)
- HOSP 1560 - Convention Sales and Management (3CR)
- HOSP 1570 - Human Resource Hospitality Management (3CR)
- HOSP 1580 - Customer Service and Conflict Resolution (3CR)
- HOSP 2980 - Cooperative Work Experience (Hospitality Management) (1CR or 1CR of electives)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- MGT 2150 - Leadership (3CR)
- MGT 2320 - Food and Beverage Management (3CR)
- MGT 2330 - Food and Beverage Services (3CR)
- MKT 1000 - Sales (3CR)
- MKT 2100 - Principles of Marketing (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Hospitality – Food and Beverage Management Certificate

Today’s restaurant and beverage managers must be experts in providing quality service in an era of growing competitiveness. Upon successful completion of the food and beverage management certificate, students will have the organizational skills and technical expertise for a job in the food and beverage management area of the hospitality industry.

Certificate Requirements

General Education

- BADM 1005 - Business Mathematics I (3CR)
- BADM 1020 - Business Communications (3CR)
- ENGL 1010 - English I: Composition (3CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)

  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1000 - Introduction to Business (3CR)
- HOSP 1570 - Human Resource Hospitality Management (3CR)
- HOSP 2535 - Planning and Control for Food and Beverage Operations (3CR)
- HOSP 2540 - Bar and Beverage Management (3CR)
- HOSP 2980 - Cooperative Work Experience (Hospitality Management) (3CR)
- MGT 2330 - Food and Beverage Services (3CR)
- Electives (1CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Hospitality – Human Resource Management Certificate

Today, a human resources manager must be an expert at providing quality service amid growing competition, technological innovation, and an increasingly sophisticated and demanding clientele. Successful managers have outstanding organizational skills, technical proficiency, and a commitment to the highest standards. The human resource management certificate will prepare students for the challenges of a human resource management position in the hospitality industry.

Certificate Requirements

General Education

- BADM 1005 - Business Mathematics I (3CR)
- BADM 1020 - Business Communications (3CR)
- ENGL 1010 - English I: Composition (3CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1000 - Introduction to Business (3CR)
- HOSP 1520 - Introduction to Hotel-Motel Management Industry (3CR)
- HOSP 1570 - Human Resource Hospitality Management (3CR)
- HOSP 2600 - Leadership and Management in the Hospitality Industry (3CR)
- HOSP 2620 - Training and Development for the Hospitality Industry (3CR)
- HOSP 2980 - Cooperative Work Experience (Hospitality Management)
- Electives (1CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Hospitality – Marketing and Sales Management Certificate

Students specializing in the marketing and sales management certificate are primed for a career in sales in the hospitality management industry. The program concentrates on the technical and supervisory job skills that the position demands.

Certificate Requirements

General Education

- BADM 1005 - Business Mathematics I (3CR)
- BADM 1020 - Business Communications (3CR)
- ENGL 1010 - English I: Composition (3CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1000 - Introduction to Business (3CR)
- HOSP 1520 - Introduction to Hotel-Motel Management Industry (3CR)
- HOSP 1560 - Convention Sales and Management (3CR)
- HOSP 1570 - Human Resource Hospitality Management (3CR)
- HOSP 2520 - Marketing of Hospitality Services (3CR)
- HOSP 2980 - Cooperative Work Experience (Hospitality Management) (3CR)
- Electives (1CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

International Studies

The international studies program offers a broad interdisciplinary curriculum leading to an associate of arts degree. This program draws on courses from anthropology, economics, world language, geography, history, political science, and sociology. The curriculum provides a strong substantive background in world affairs along with analytic and language skills to prepare the student who wishes to pursue additional study and a career in government services, business, law or education.

International Studies, A.A.

This recommended curriculum is geared toward those students who are transferring to the University of Wyoming. Students who are planning to transfer to out-of-state institutions should refer to the requirements of their transfer institution.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (biological and physical) (8CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - POLS 1000 - American and Wyoming Government (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- GEOG 1000 - World Regional Geography (3CR)
- HIST 1110 - Western Civilization I (3CR)
  or
- HIST 1120 - Western Civilization II (3CR)
- INST 2350 - Introduction to Global Studies (3CR)
- POLS 1200 - Non-Western Political Cultures (3CR)
- POLS 2310 - Introduction to International Relations (3CR)
- SOC 1000 - Introduction to Sociology (3CR)
- World Language (8CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Liberal Arts

Liberal arts places special emphasis on multidisciplinary studies. This broad approach is beneficial for the student who wishes freedom to pursue intellectual curiosity and to become broadly knowledgeable.

This course of study appeals to students who may wish a good foundation of liberal studies to carry forward to an advanced or professional program or to students who have not yet identified for themselves a major course of study.

Liberal Arts, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- Communication (3CR)
- PHIL 2300 - Ethics in Practice (3CR)
  or
- PHIL 2420 - Critical Thinking (3CR)
- Literature (6CR)
- World language (8CR)
- Electives (12CR) - A variety of courses from departments the student has not used to fulfill general education requirements are strongly recommended. For example, courses in communication, computer/Internet skills, creative writing, fine arts, social science, business, philosophy, or other courses approved by the advisor.t

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Machine Tool Technology

The major objectives of the machine tool technology program at Casper College are:

1. To provide training in machine tool operation, processes, tooling, and allied areas, so that the graduate may obtain employment within machine shops or maintenance shops.
2. To provide a background for those students who will be continuing their education for a four-year degree in related fields. The machine tool technology certificate program consists of 39 credits within the technical areas. It has been organized for full-time or part-time attendance. Full-time students can complete the certificate requirements within two semesters.

Note: To graduate with a certificate or degree, students must earn a “C” or better in all major requirements.

Machine Tool Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
    - Science
      or
    - Mathematics- 1000 level or higher
2. Communication
   (One course minimum)
    - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ENTK 1510 - Drafting I (4CR)
- MCHT 1570 - Machine Trades Computations (2CR)
- MCHT 1640 - Basic Machining Practice (10CR)
- MCHT 1650 - Intermediate Machining Practice (10CR)
- MCHT 1680 - Blueprint Reading (2CR)
- MCHT 1980 - Cooperative Work Experience (Machine Shop) (8CR needed for degree)
- MCHT 2780 - Computer Numerical Control (CNC) Machining Center (4CR)

- MCHT 2790 - Computer Numerical Control (CNC) Turning Center (4CR)
- MCHT 2800 - Computer Assisted Manufacturing (3CR)
- WELD 1700 - General Welding (2.5CR needed for degree)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)
- WELD 2680 - Welding Metallurgy (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Machine Tool Technology Certificate

Certificate Requirements (40 credits)

- CMAP 1500 - Computer Keyboarding (1CR)
- ENTK 1510 - Drafting I (4CR)
- MCHT 1570 - Machine Trades Computations (2CR)
- MCHT 1640 - Basic Machining Practice (10CR)
- MCHT 1650 - Intermediate Machining Practice (10CR)
- MCHT 1680 - Blueprint Reading (2CR)
- MCHT 2780 - Computer Numerical Control (CNC) Machining Center (4CR)

  or
- MCHT 2790 - Computer Numerical Control (CNC) Turning Center (4CR)
- WELD 1700 - General Welding (2.5CR needed for certificate)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)
- WELD 2680 - Welding Metallurgy (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Manufacturing Technology

The Casper College Manufacturing Technology Department will provide the necessary training for its graduates to compete in the rapidly changing manufacturing industry. This will be accomplished by providing the technical training in these manufacturing areas:

1. manufacturing design and blueprint reading,
2. automated manufacturing and machine tool equipment, and
3. welding applications.

Manufacturing Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 1000 - Problem Solving (3CR)
2. Communication (3CR)
   (One course minimum)
3. Relationship with the World
   (One course minimum)
   - POLS 1000 - American and Wyoming Government (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above. (7CR)
5. Physical Education (1CR)

Major Requirements

- CMAP 1750 - Spreadsheet Applications I (1CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 1650 - Mechanical Drafting and Design I (4CR)
- ENTK 2510 - CAD-3D Modeling (4CR)
- ENTK 2525 - Design and Manufacturing Methods I (4CR)
- MCHT 1640 - Basic Machining Practice (10CR)
- MCHT 2780 - Computer Numerical Control (CNC) Machining Center (4CR)
- MCHT 2790 - Computer Numerical Control (CNC) Turning Center (4CR)
- WELD 1700 - General Welding (2.5CR needed for degree)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)
- WELD 1910 - Specialized Welding and Joining (3CR)
- WELD 2680 - Welding Metallurgy (3CR)
- Electives (2CR) - 2 CR of Technical electives can be chosen from ENTK, MCHT, ROBO, or WELD.

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Manufacturing Technology Certificate

Certificate Requirements (Minimum 30 Credits)

- ENTK 1510 - Drafting I (4CR)
- ENTK 1650 - Mechanical Drafting and Design I (4CR)
- ENTK 2510 - CAD-3D Modeling (4CR)
- ENTK 2525 - Design and Manufacturing Methods I (4CR)
- MCHT 1640 - Basic Machining Practice (10CR)
- MCHT 2780 - Computer Numerical Control (CNC) Machining Center (4CR)
- MCHT 2790 - Computer Numerical Control (CNC) Turning Center (4CR)
- WELD 1700 - General Welding (2.5CR needed for certificate)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)
- WELD 1910 - Specialized Welding and Joining (3CR)
- WELD 2680 - Welding Metallurgy (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Marketing

Marketing, A.S.

The Associate of Science in Marketing is designed for those students majoring in marketing who wish to transfer to four year institutions within the region. Students should research the institution where they plan to obtain their bachelor's degree to determine business course requirements and should choose from Casper College course offerings accordingly.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1400 - Pre-Calculus Algebra (4CR)
    - STAT 2050 - Fundamentals of Statistics (5CR)
      or
    - STAT 2070 - Introductory Statistics for Social Science (5CR)
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3BR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 2010 - Principles of Accounting I (4CR)
- ACCT 2020 - Principles of Accounting II (4CR)
- BADM 2010 - Business Law I (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- MGT 2100 - Principles of Management (3CR)
- MKT 1300 - Advertising (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- MKT 2200 - Consumer Behavior (3CR)

In addition, select six credits from the list below:

- BADM 1000 - Introduction to Business (3CR)
- BADM 2040 - E-commerce (3CR)
- BADM 2195 - Entrepreneurship (3CR)
- MKT 1000 - Sales (3CR)
- MKT 1100 - Retailing (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Marketing Certificate

The recommended curriculum will prepare students for various entry level positions in marketing including retailing, direct sales, customer service, etc.

Certificate Requirements

General Education

- CO/M 1030 - Interpersonal Communication (3CR)
- ENGL 1010 - English I: Composition (3CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 1000 - Introduction to Business (3CR)
  or
- MGT 2100 - Principles of Management (3CR)
- BADM 1005 - Business Mathematics I (3CR)
- BADM 1020 - Business Communications (3CR)
- BADM 2010 - Business Law I (3CR)
- MKT 1000 - Sales (3CR)
- MKT 1300 - Advertising (3CR)
- MKT 2100 - Principles of Marketing (3CR)
- MKT 2200 - Consumer Behavior (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Mathematics

The mathematics department offers courses to prepare the student for advanced work, courses required in other programs, and courses that contribute to a general studies program.

Twenty or more credits may be earned toward a major in mathematics.

All initial placement in mathematics is established by the appropriate ACT or COMPASS exam score.

Credit by examination may be awarded if the procedures as described under "Credit by Examination" are followed.

A grade of "C" or better must be attained in a mathematics course in order for it to qualify as a prerequisite for another mathematics course.

Mathematics, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Included in the major requirements below
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - Human Behavior (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 24 credits)

- MATH 2200 - Calculus I (5CR)
- MATH 2205 - Calculus II (5CR)
- MATH 2210 - Calculus III (5CR)
- MATH 2250 - Elementary Linear Algebra (3CR)
- COSC 2300 - Discrete Structures (3CR)
  or
- MATH 2310 - Applied Differential Equations I (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
- Laboratory sciences (8CR)
- Electives (6CR)

Note:

The normal length of this program is two academic years at 17-19 credit hours per semester.

To obtain a degree in mathematics, a student must obtain a grade of "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Mathematics – Secondary Education, A.S.

This degree is for those who plan to teach high school mathematics.

The Casper College education program provides the first two years of a baccalaureate degree program, which leads to certification of elementary and secondary public school teachers. Students who follow the recommended curriculum may also receive an associate of arts or an associate of science degree from Casper College.

Students should consult the catalogs of the colleges or universities to which they are transferring for requirements.

Notice of background check: All education students are subject to background checks and fingerprinting for selected educational coursework involving student contact and future employment as professionals in education and related fields.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Math requirement included in the major requirements.
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- EDEX 2484 - Introduction to Special Education (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- ITEC 2360 - Teaching with Technology (3CR)
- MATH 2200 - Calculus I (5CR)
- MATH 2205 - Calculus II (5CR)
- MATH 2210 - Calculus III (5CR)
- MATH 2250 - Elementary Linear Algebra (3CR)
- MATH 2800 - Math Majors Seminar (2CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)
- STAT 2050 - Fundamentals of Statistics (5CR)

Secondary Education

Secondary Education majors at Casper College who intend to transfer to the University of Wyoming and most accredited secondary education programs need to complete the following courses prior to entering Phase 2:

- EDEX 2484 - Introduction to Special Education (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDUC 2100 - Public School Practicum (4CR)
- ITEC 2360 - Teaching with Technology (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)

Note:

Some bachelor degrees require Adolescent Psychology.

Student advisement for secondary education is done by the department which offers the subject area that the student wants to teach.

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Medical Lab Technician

Casper College offers an Associate of Science in Medical Laboratory Technician (MLT) and a certificate of completion for phlebotomy training. Both options consist of non-MLT as well as MLT courses, and students are integrated into all aspects of college life. In addition to the Casper College application for admission, a student must complete and submit to the director a departmental application prior to clinical training when all eligibility requirements are met.

Background check and drug/alcohol policy

Students enrolled in the MLT program will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Clinical accessibility policy

The MLT program utilizes a variety of health care agencies in the local community and throughout Wyoming for student clinical experiences. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, that agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from that agency, you are automatically ineligible to apply to that agency and may have to select an alternate training site located in another city. A response indicating you will be permitted to attend clinicals at that agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program or may not be able to obtain a clinical training opportunity.

Your signature on the application indicates you have read the above and will comply as indicated.

An additional resource for information regarding MLT program curriculum and student training can be obtained from:

National Accrediting Agency for
Clinical Laboratory Science (NAACLS)
5600 N. River Road, Suite 720
Rosemont, IL, 60018
Phone: (773) 714-8880
Internet at http://www.naacls.org.

Core Performance Standards for Admission and Progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Eligibility requirements

To be considered for admission into the associate of science MLT program, the applicant must:

1. Have graduated from high school or have earned a GED;
2. Submit a completed application form with all high school and college transcripts and GED certification (if applicable) to the admissions office.
3. Have a composite score of 18 or better on the ACT if out of high school less than two years, and have completed courses recommended by the test with a "C" or better, or
4. Have taken the COMPASS test and have completed courses recommended by the test with a "C" or better, or successfully completed college courses;
5. Students admitted to the MLT Program must be students in good standing at Casper College, must have earned a "C" or better in prerequisite and MLTK coursework, and have an overall GPA of 2.0.
6. An application to the MLT Program must be submitted to the Program Director once all prerequisite coursework has been completed and the student has successfully completed the entrance competency exam. Applications for the MLT Program are due in the semester prior to the clinical practice. Obtaining a clinical practice site is competitive and students will undergo an interview/ selection process to determine and assign clinical practicum locations. Since training opportunities cannot be guaranteed, if students are not initially placed they will be placed on an alternate list for the next available training session.
7. Health Requirements: You will need to obtain proof of the following health requirements to train in phlebotomy and MLT student laboratory or clinical practice: Health Insurance; Health Provider BLS certification; Tuberculosis skin testing; Hepatitis B vaccination; Measles, Mumps Rubella and Tetanus vaccinations.
   To maintain ongoing enrollment in the MLT program curriculum you may be required to meet annual requirements as specified by the clinical agency.

8. Students who have appropriate experience or certification as a phlebotomist may receive credit for Principles of Phlebotomy (MLTK 1800) and Phlebotomy Practicum (MLTK 1970). Credit will be determined by the Registrar and the Director of the MLT Program.
9. Applicants must meet certain essential functions as defined by NAACLS. If you feel that you do not meet these essential functions, careful consideration should be made and advisement received before entering the MLT Program. Essential functions are the abilities and essential functions that a student must be able to perform to be successful in the learning experiences and completion of the program. Please obtain a MLT Program Student Handbook from the director of the MLT Program or visit the following Web site (http://www.caspercollege.edu/medical_lab_tech/index.html) to review these essential functions.

Certification eligibility or phlebotomy examination

Upon completion of the MLT program, students are eligible for and expected to write a certification examination given by the ASCP Board of Certification. Other agencies are available.

Certification:
ASCP Board of Certification • 33 West Monroe, Suite 1600
Chicago, IL 60603
Phone: 312-541-4999
800-267-ASCP (2727)
Fax: 312-541-4998

Medical Laboratory Technician, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Included in the major requirements below
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - ANTH 1200 - Introduction to Cultural Anthropology (3CR)
     or
   - SOC 1000 - Introduction to Sociology (3CR)
   - U.S. and Wyoming constitutions (1-3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- CHEM 1005 - Basic Chemistry I (3CR)
  and
- CHEM 1006 - Basic Chemistry Laboratory I (1CR)
  or
- CHEM 1025 - Chemistry I (3CR)
  and
- CHEM 1028 - Chemistry Laboratory I (1CR)
- MATH 1000 - Problem Solving (3CR)
  or
- MATH 1400 - Pre-Calculus Algebra (4CR)
- CMAP 1505 - Introduction to Computers (1CR)
- MLTK 1500 - Clinical Hematology and Hemostasis (3CR)
- MLTK 1600 - Clinical Immunohematology (3CR)
- MLTK 1700 - Microscopy: Urinalysis and Body Fluids (2CR)
- MLTK 1800 - Principles of Phlebotomy (3CR)
- MLTK 1970 - Clinical Practicum: Phlebotomy (2CR)
- MLTK 2500 - Clinical Chemistry (3CR)
- MLTK 2600 - Clinical Microbiology I (2CR)
- MLTK 2650 - Clinical Microbiology II (2CR)
- MLTK 2700 - Immunology (4CR)
- MLTK 2800 - Clinical Pathophysiology (4CR)
- MLTK 2971 - Clinical Practicum: Hematology (2CR)
- MLTK 2972 - Clinical Practicum: Chemistry (2CR)
- MLTK 2973 - Clinical Practicum: Immunohematology (2CR)
- MLTK 2974 - Clinical Practicum: Microbiology (2CR)
- MLTK 2976 - Clinical Practicum: Serology (1CR)
- MLTK 2977 - Clinical Practicum: Urinalysis and Body Fluids (1CR)
- MOLB 2210 - General Microbiology (4CR)
  or
- MOLB 2240 - Medical Microbiology (4R)

Note:

Courses listed are consistent with the required curriculum for Baccalaureate Medical Technology programs. Additional credit hours beyond the AS degree may be required to meet prerequisite coursework requirements for the BS programs.

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements

A minimum of 71 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Phlebotomy Technician Training Certificate

This curriculum is designed to prepare students for employment as a phlebotomist in a hospital, private laboratory, or physicians' office. Students may complete the following coursework to become eligible to sit for Phlebotomy Technician national certification examination through the American Society of Clinical Pathology.

Certificate Requirements

- CMAP 1505 - Introduction to Computers (1CR)
- MLTK 1800 - Principles of Phlebotomy (3CR)
- MLTK 1970 - Clinical Practicum: Phlebotomy (2CR)
- CO/M 1505 - Communication for Professional Success (3CR)
  or
- ENGL 1010 - English I: Composition (3CR)

and one of the following:

- SOC 1000 - Introduction to Sociology (3CR)
- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- PSYC 1000 - General Psychology (3CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Music

Music Program Mission Statement

The Music Department shall prepare students with a foundation for a career in music, while providing educational enrichment and cultural opportunities for the college and the greater community.

Music department offerings are not limited to music majors. Students in other programs are encouraged to participate in music department courses, studio lessons, and performing ensembles.

The music department offers three curricula for majors: the Associate of Arts in Music, the Associate of Fine Arts in Music Education, and the Associate of Fine Arts in Instrumental or Vocal Performance.

Casper College is an accredited institutional member of the National Association of Schools of Music [arts-accredit.org].

The music department collaborates with the department of theatre and dance in offering the Associate of Arts in Musical Theatre Performance. (The recommended curriculum is located in the Theatre and Dance portion of the catalog.) Casper College is an accredited institutional member of the National Association of Schools of Theatre [arts-accredit.org].

Music majors must:

1. Declare a major instrument;
2. Enroll in one- or two-credit hours of music studio in the declared instrument and curriculum, which includes studio classes and a final jury;
3. Perform in at least one major ensemble (usually Concert Band, MUSC 1378; Collegiate Chorale, MUSC 1400; or Chamber Orchestra, MUSC 1440). All students expecting to enroll in "audition only" music ensemble courses must contact the appropriate instructor for permission;
4. Pass the Piano Proficiency Examination (MUSC 2395), normally at the conclusion of Class Piano IV (MUSC 2303). All music majors enroll in the Class Piano sequence, and are placed at the appropriate level as determined by the piano faculty:
5. Successfully complete a minimum of four semesters of Convocation (MUSC 0200).

The recommended music curriculum is designed to concentrate on the broad discipline of music within the liberal arts framework. The offerings are also available to those who plan to transfer to a Bachelor of Arts program, as well as those who are interested in enriching their musical experiences.

Music, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- MUSC 0200 - Convocation (0CR) (each semester)
- MUSC 1020 - Music Technology (1CR)
- MUSC 1030 - Written Theory I (3CR)
- MUSC 1035 - Aural Theory I (1CR)
- MUSC 1040 - Written Theory II (3CR)
- MUSC 1045 - Aural Theory II (1CR)
- MUSC 1300 - Class Piano I (1CR)
- MUSC 1301 - Class Piano II (1CR)
- MUSC 2030 - Written Theory III (3CR)
- MUSC 2035 - Aural Theory III (1CR)
- MUSC 2040 - Written Theory IV (3CR)
- MUSC 2045 - Aural Theory IV (1CR)
- MUSC 2050 - Music History Survey I (3CR)
- MUSC 2055 - Music History Survey II (3CR)
- MUSC 2302 - Class Piano III (1CR)
- MUSC 2303 - Class Piano IV (1CR)
- MUSC 2395 - Piano Proficiency (0CR)
- MUSC 1xxx Music Studio (2CR)
- MUSC 2xxx Music Studio (2CR)
- Major ensemble (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Music Education, A.F.A.

Recommended Curriculum

The recommended curriculum is designed for the music major who plans to transfer to a Bachelor of Music program. The offerings are also available to those who are interested in enriching their musical experiences.

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study. One course minimum in the following general education listings.

1. Exploration and Participation (3-4CR)
    - Science
    - Mathematics - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World (3-4 CR)
    - Human Behavior
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment
4. General Education Electives (6-7CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements – Music Education (47-51 credits)

- EDFD 2020 - Foundations of Education (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- MUSC 0200 - Convocation (0CR) (each semester, min. 4)
- MUSC 1020 - Music Technology (1CR)
- MUSC 1025 - Introduction to Music Education (2CR)
- MUSC 1030 - Written Theory I (3CR)
- MUSC 1035 - Aural Theory I (1CR)
- MUSC 1040 - Written Theory II (3CR)
- MUSC 1045 - Aural Theory II (1CR)
- MUSC 1300 - Class Piano I (1CR)
- MUSC 1301 - Class Piano II (1CR)
- MUSC 1310 - Public School Methods: Brass Methods I (1CR)
- MUSC 1315 - Public School Methods: Brass Methods II (1CR)
- MUSC 1330 - Public School Methods: String Methods I (1CR)
- MUSC 1335 - Public School Methods: String Methods II (1CR)
- MUSC 2030 - Written Theory III (3CR)
- MUSC 2035 - Aural Theory III (1CR)
- MUSC 2040 - Written Theory IV (3CR)
- MUSC 2045 - Aural Theory IV (1CR)
- MUSC 2050 - Music History Survey I (3CR)
- MUSC 2055 - Music History Survey II (3CR)
- MUSC 2302 - Class Piano III (1CR)
- MUSC 2303 - Class Piano IV (1CR)
- MUSC 2395 - Piano Proficiency (0CR)

- MUSC 1xxx Music Studio (2CR)
- MUSC 2xxx Music Studio (2CR)
- Major ensemble (4CR)

If vocal emphasis, add these four credits:

- MUSC 2320 - Diction for Singers I (2CR)
- MUSC 2325 - Diction for Singers II (2CR)

Note:

The normal length of this program is two academic years at 17-19 credits hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Music Performance, A.F.A.

Recommended Curriculum – (Vocal Music Performance)

The recommended curriculum is designed for the music major who plans to transfer to a Bachelor of Music program. The offerings are also available to those who are interested in enriching their musical experiences.

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study. One course minimum in the following general education listings.

1. Exploration and Participation (3-4CR)
    - Science
    - Mathematics - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World (7 CR)
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - World Languages (4CR) - one of the following:
        - FREN 1010
        - GERM 1010
4. General Education Electives (2-3CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements – Vocal Music Performance (49 credits)

- MUSC 0200 - Convocation (0CR) (each semester)
- MUSC 1020 - Music Technology (1CR)
- MUSC 1030 - Written Theory I (3CR)
- MUSC 1035 - Aural Theory I (1CR)
- MUSC 1040 - Written Theory II (3CR)
- MUSC 1045 - Aural Theory II (1CR)
- MUSC 1300 - Class Piano I (1CR)
- MUSC 1301 - Class Piano II (1CR)
- MUSC 1400 - Collegiate Chorale (1CR) (Max. 4) (each sem., min. 4)
- MUSC 2030 - Written Theory III (3CR)
- MUSC 2035 - Aural Theory III (1CR)
- MUSC 2040 - Written Theory IV (3CR)
- MUSC 2045 - Aural Theory IV (1CR)
- MUSC 2050 - Music History Survey I (3CR)
- MUSC 2055 - Music History Survey II (3CR)
- MUSC 2302 - Class Piano III (1CR)
- MUSC 2303 - Class Piano IV (1CR)
- MUSC 2320 - Diction for Singers I (2CR)
- MUSC 2325 - Diction for Singers II (2CR)
- MUSC 2395 - Piano Proficiency (0CR)
- MUSC 1270 - Studio: Voice I (1-2CR) (Max. 8) (1CR) required
- MUSC 1270 - Studio: Voice I (2CR) required
- MUSC 2270 - Studio: Voice II (1-2CR) (Max. 8) (2CR) required
- MUSC 2270 - Studio: Voice II (2CR) required
- Major Ensemble, Choral (4CR)
- MUSC Recommended Elective (3CR) (World Music, Rock History, or Jazz History)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Recommended Curriculum – (Instrumental Performance)

The recommended curriculum is designed for the music major who plans to transfer to a Bachelor of Music program. The offerings are also available to those who are interested in enriching their musical experiences.

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study. One course minimum in the following general education listings.

1. Exploration and Participation (3-4CR)
    - Science
    - Mathematics - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World (3-4 CR)
    - Human Behavior
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment
4. General Education Electives (6-7CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements – Instrumental Music Performance (42 credits)

- MUSC 0200 - Convocation (0CR) (each semester)
- MUSC 1020 - Music Technology (1CR)
- MUSC 1030 - Written Theory I (3CR)
- MUSC 1035 - Aural Theory I (1CR)
- MUSC 1040 - Written Theory II (3CR)
- MUSC 1045 - Aural Theory II (1CR)
- MUSC 1300 - Class Piano I (1CR)

- MUSC 1301 - Class Piano II (1CR)
- MUSC 2030 - Written Theory III (3CR)
- MUSC 2035 - Aural Theory III (1CR)
- MUSC 2040 - Written Theory IV (3CR)
- MUSC 2045 - Aural Theory IV (1CR)
- MUSC 2050 - Music History Survey I (3CR)
- MUSC 2055 - Music History Survey II (3CR)
- MUSC 2302 - Class Piano III (1CR)
- MUSC 2303 - Class Piano IV (1CR)
- MUSC 2395 - Piano Proficiency (0CR)
- MUSC 1xxx Music Studio, major instrument (4CR)
- MUSC 2xxx Music Studio, major instrument (4CR)
- Major ensemble, instrumental (4CR)
- MUSC Recommended Elective (8CR) (World Music, Rock History, or Jazz History)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Nursing

Casper College offers two options for an associate degree in nursing (ADN): an Associate of Applied Science (AAS) or an Associate of Science (AS). All options consist of non-nursing as well as nursing courses, and nursing students are integrated into all aspects of college life. In addition to the Casper College application for admission, a student desiring admission to the nursing program must complete and submit to the director a departmental application when all eligibility requirements are met.

The nursing department also offers a nursing assistant course that meets the Wyoming State Board of Nursing's requirements for certification. For specific information, contact the Wyoming State Board of Nursing.

An additional resource for information regarding the program can be obtained from:

Accreditation Commission for Education in Nursing (ACEN)
3343 Peachtree Road, NE
Suite 850
Atlanta, GA 30326
1-404-975-5000
www.ACENursing.org

Background check and drug/alcohol policy

Students enrolled in any of the health science programs will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Following graduation, several of the state and/or national licensing or certification (registry) boards, including the Wyoming State Board of Nursing, may refuse to allow a graduate to sit for the required exam or issue a license or certification to a person who has a prior felony conviction or proven history of drug or alcohol abuse. Applicants to whom this applies should consult the program director for further information.

Clinical accessibility policy

The nursing program utilizes a variety of health care agencies in the community for clinical experience for the students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, the agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from the agency, you are automatically ineligible to apply. A response indicating you will be permitted to attend clinical in the agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employment issue and have not complied with the above, you could be dismissed from the program.

Core Performance Standards for Admission and Progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Nursing, A.A.S.

This two-year program is approved by the Wyoming State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN). Graduates of this program are eligible to take the examination for licensure as registered nurses.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MOLB 2210 - General Microbiology (4CR)
      or
    - MOLB 2240 - Medical Microbiology (4R)
    - ZOO 2040 - Human Anatomy (3CR)
    - ZOO 2041 - Human Anatomy Lab (1CR)
    - ZOO 2110 - Human Physiology (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - SOC 1000 - Introduction to Sociology (3CR)
      or
    - ANTH 1200 - Introduction to Cultural Anthropology (3CR)
    - U.S. and Wyoming constitutions (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- HLTK 1200 - Medical Terminology (3CR)
- NRST 1605 - Issues in Nursing Practice (1CR)
- NRST 1615 - Nursing Process I (10CR) *
- NRST 1625 - Nursing Process II (8CR) **
- NRST 1630 - Nursing Process and the Childbearing Family (2CR)
- NRST 2635 - Nursing Process III (9CR) ***
- NRST 2645 - Nursing Process IV (9CR) ***
- NRST 2960 - Nursing Role Exploration (1CR)

Note:

* Six hours classroom, 12 hours laboratory

**Four hours classroom, 12 hours laboratory

*** Four hours classroom, 15 hours laboratory

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Nursing, A.S.

This two-year program is approved by the Wyoming State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN). Graduates of this program are eligible to take the examination for licensure as registered nurses.

Eligibility Requirements

To be considered for admission into the Associate Degree Nursing (ADN) Program, the applicant must:

1. Have graduated from high school or have earned a GED.
2. Submit a completed application form with all college transcripts to the Admissions and Student Records Office and a departmental application form to the nursing director by the admission deadline.
3. Hold a current certification as a nursing assistant in Wyoming. Please be aware that the certification process may take up to four (4) months following completion of the class.
4. Have a composite score of 18 or better on the ACT if out of high school less than one year, and have completed courses recommended by the test with a “C” or better, OR
5. Have taken the COMPASS test and have completed courses recommended by the test with a “C” or better. If students have successfully completed college-level math or English courses, they will not be required to retake them.
6. Have completed PSYC 1000 with a “C” or better.
7. Have completed ZOO 2040/ZOO 2041 (or their equivalents), and current within the last five years, with a “C” or better;
8. Demonstrate proficiency in medical terminology by completing HLTK 1200 (or its equivalent) with a “C” or better, or by completion of a departmental competency examination. Students interested in taking the competency exam must notify the nursing director or academic assistant for consultation with the exam coordinator to establish eligibility to take the competency exam.

9. Have a cumulative grade point average of 2.5 or higher for admission, or readmission in all courses for this degree.
10. A "Proficient" level achieved on the Test of Essential Skills (TEAS V ®) is required to apply to the program.
11. Students are admitted twice a year.
12. Withdrawal from one or more courses without advisor input may delay program admission and/or progression.
13. There are several requirements (vaccinations, etc.) the first semester nursing students must meet. For specific information, see the academic assistant.
14. It is the policy of the H.E. Stuckenhoff Department of Nursing to minimize the risk of an allergic/anaphylactic reaction to latex, identify those at risk and provide a latex safe environment.

To maintain ongoing enrollment in the nursing program, you must meet the following requirements:

1. Have evidence of immunizations/skin tests as required by agencies providing clinical experiences;
2. Test negative on any drug or alcohol screening required by agencies providing clinical experiences;
3. Provide evidence of current health insurance and maintain the health insurance while in the nursing program;
4. Complete fingerprinting during the first semester of the program;
5. If driving to clinical sites, provide evidence of current car insurance and maintain the car insurance while in the nursing program;
6. Have evidence of American Heart Association Healthcare Provider Cardiopulmonary Resuscitation (CPR) certification during the first semester of classes.
7. Must have a 2.0 or better grade point average for each semester and a "C" or better in all clinical nursing courses, allied health, and laboratory science courses to progress in the Associate Degree Nursing Program.

Proficiency in medical terminology can be accomplished by completing HLTK 1200, 3-credit, (or its equivalent) with a "C" or better, or by successful completion of a departmental competency examination. Regarding the HLTK 1200 Medical Terminology challenge exam:

1. To qualify for credit by examination, the student must be accepted as a certificate or degree candidate at Casper College and enrolled at least part time in classes at Casper College during the semester in which the examination is taken and credit is awarded.
2. A student may not take the exam to remove a course failure or to raise a grade
3. A student may not earn credit by examination in a course if they have earned credit previously in a higher level course in the subject area.
4. A student who qualifies may take the examination only one time.
5. A student applying to the nursing program will have until the last scheduled exam date in January or September to take the exam.
6. A student applying to the nursing program will earn points on the admission ranking worksheet based on the letter grade they achieve on the challenge exam.
7. Students interested must notify the director of nursing or the academic assistant for consultation with the exam coordinator.

Each applicant who is admitted to the ADN program will be sent information concerning uniforms and other items necessary prior to entrance. Students are responsible for their own transportation to and from clinical facilities.

Transfer into the Associate Degree Nursing Program is dependent upon space available and the congruence between the previous program and Casper College's ADN Program. Transfer status will only be considered into the second or third semester of the nursing program. Students interested in transferring must notify the director of nursing prior to April 30 for fall transfer and November 30 for spring transfer. The student evaluation will be sent to the student's previous nursing program to be completed by the director or a nursing faculty member.

Generally, Casper College will accept general education courses from accredited colleges. Refer questions about specific courses to the registrar. Nursing courses will be evaluated on an individual basis by the nursing faculty and director. Students interested in pursuing this option should submit course syllabi and outlines to the director for consideration as early as possible. Applicants will be required to fulfill all recommendations made at the time of applying for transfer. This includes attaining the required score on the departmental transfer and math competency exams. Applicants not meeting the passing score on either exam will not be eligible for transfer. Following successful completion of the transfer and math competency exams, applicants will be required to demonstrate proficiency of selected technical nursing skills.

Licensed practical nurses who wish to enter the ADN Program at the second level of the program must submit their application to the Director of Nursing programs no later than April 1 for fall admission, and November 1 for spring admission.

Preference for advanced placement will be given first to qualified graduates of Casper College's previous PN program, then to graduates of other Wyoming programs.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
    - MOLB 2210 - General Microbiology (4CR)
    - ZOO 2040 - Human Anatomy (3CR)
    - ZOO 2041 - Human Anatomy Lab (1CR)
    - ZOO 2110 - Human Physiology (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - SOC 1000 - Introduction to Sociology (3CR)
      or
    - ANTH 1200 - Introduction to Cultural Anthropology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- HLTK 1200 - Medical Terminology (3CR)
- NRST 1605 - Issues in Nursing Practice (1CR)
- NRST 1615 - Nursing Process I (10CR) *
- NRST 1625 - Nursing Process II (8CR) **
- NRST 1630 - Nursing Process and the Childbearing Family (2CR)
- NRST 2635 - Nursing Process III (9CR) ***
- NRST 2645 - Nursing Process IV (9CR) ***
- NRST 2960 - Nursing Role Exploration (1CR)

Note:

* Six hours classroom, 12 hours laboratory

**Two hours classroom, 12 hours laboratory

***Four hours classroom, 15 hours laboratory

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Licensed Practical Nursing Certificate

Advanced Placement for LPNs

To be eligible for advanced placement, students must:

1. Have completed a state-approved practical nursing program;
2. Provide the director with a copy of their LPN license;
3. Be actively employed as an LPN for 12 months or longer;
4. Meet all of the admission requirements for the nursing program as listed in the current catalog;
5. Meet the departmental and community agency requirements as listed in the student handbook;
6. Have completed the following courses or their equivalents: ZOO 2040/2041, ZOO 2110, PSYC 1000;
7. LPN's with a history of 2 failures in NRST or HLTK courses in the Casper College Nursing program will not be considered for admission as advanced placement;
8. Make arrangements with the Director of Nursing to take two tests:
    1. The first test is the ATI LPN-STEP which has an approximate fee of $35.00 for the practice test and the proctored test. If the LPN-STEP has already been taken, it will be accepted if less than one year old and the applicant is working in healthcare.
    2. The second is a departmental math competency exam which takes about one-half hour and is free.
    3. Applicants must attain a minimum score of greater than or equal to the national average on the LPN-STEP, and 80% on the departmental math competency exam.
9. Pass the Wyoming Medical Center drug and alcohol screen testing.

Admission to advanced placement standing is dependent upon space available in the third semester of the nursing program. Therefore, the number of applicants selected each year will vary.

Certificate Requirements-(effective through Summer 2016)

General Education

- ENGL 1010 - English I: Composition (3CR)
- PSYC 1000 - General Psychology (3CR)
- SOC 1000 - Introduction to Sociology (3CR)

  or
- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)

Major Requirements

- HLTK 1200 - Medical Terminology (3CR)
- NRST 1605 - Issues in Nursing Practice (1CR)
- NRST 1615 - Nursing Process I (10CR)
- NRST 1625 - Nursing Process II (8CR)
- NRST 1630 - Nursing Process and the Childbearing Family (2CR)

Note:

The normal length of this program is 14 months.

Certificate Requirements – (effective beginning Fall 2016)

General Education

- ENGL 1010 - English I: Composition (3CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- PSYC 1000 - General Psychology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)

Major Requirements

- HMDV 1300 - On Course (2CR)
- HLTK 1300 - Nursing Boot Camp (1CR)
- NURS 1100 - Professional Nursing Care in Health Promotion (10CR)
- NURS 1200 - Professional Nursing Care of the Patient with Chronic Illness (10CR)

Note:

The normal length of this program is 14 months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Nutrition

This course of study is designed to provide students with the necessary coursework to transfer to UW or similar nutrition baccalaureate programs at the entering junior level.

Nutrition, A.S.

Recommended Curriculum

General Education (Minimum 32 hours)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- AGEC 1010 - Agriculture Economics I (3CR)
  or
- ECON 1010 - Principles of Macroeconomics (3CR)
- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR) (recommended)
- CHEM 1025 - Chemistry I (3CR)
  and
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 2300 - Introductory Organic Chemistry (4CR)
- CO/M 1010 - Public Speaking (3CR)
- FCSC 1141 - Principles of Nutrition (3CR)
- FCSC 1150 - Scientific Study of Food (3CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- PSYC 1000 - General Psychology (3CR)
- SOC 1000 - Introduction to Sociology (3CR)

Note:

Courses listed are consistent with the required curriculum for the human nutrition option at the University of Wyoming. For the dietetics option, please see a current University of Wyoming catalog. Additional courses in chemistry, molecular biology, zoology and statistics are required for the Dietetics option.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Occupational Therapy Assistant

Occupational therapy (OT) is the use of purposeful activity with individuals who are limited by physical injury or illness, psychosocial dysfunction, developmental or learning disabilities, poverty and cultural differences or the aging process, in order to maximize independence, prevent disability, and maintain health. Specific OT services include: teaching daily living skills; developing motor skills and sensory functioning; developing play/leisure skills and work capacities; designing, fabricating, or applying selected devices or adaptive equipment; using specifically designed crafts and exercises to enhance functional performance; administering assessments; and adapting environments for the handicapped. These services are provided individually, in groups, or through social systems. (Adopted from the American Occupational Therapy Association.)

The occupational therapy assistant program is an associate of science degree major designed to prepare students to obtain employment as a Certified Occupational Therapy Assistant (COTA); or a related field. The occupational therapy assistant program at Casper College is six semesters in length in which students complete five consecutive semesters of required academic course work, plus two eight-week fieldwork placements. The sequence begins with the fall semester and progresses through two years including one summer session. The courses build on information from previous semesters. After completion of academic course work, fieldwork is completed.

Students are admitted provisionally the fall semester. At the end of this first semester, applications are completed for full acceptance. At this time, students are granted full acceptance to the program, if requirements are met. The coursework is primarily laboratory experience designed to accommodate 12 students. The top 12 students in the admission process will be admitted. If more than 12 students are prepared to enter the program, they may be placed on a waiting list. A student must maintain at least a 2.3 GPA in each of the behavioral and biological sciences, English composition, and all occupational therapy course work. (Check with Program Director, many years two sections are admitted allowing the program to accommodate 24 students.)

The occupational therapy assistant curriculum includes basic human sciences, the human development process, analysis of specific life tasks and activities, understanding of health and illness, and occupational therapy theory and practice. The degree includes supervised fieldwork experiences.

The Casper College occupational therapy assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD, 20824-1220. AOTA's phone number is 301- 652-AOTA. Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Most states require licensure in order to practice; however state licenses are usually based on the results of the NBCOT Certification Examination.

Background check and drug/alcohol policy

Students enrolled in any of the health science programs will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency. Due to most sites requiring background checks, all occupational therapy assistant students are required to complete background checks.

NOTE: To ensure that occupational therapy practitioners meet ethical and professional standards prior to entering the professions, all applicants for initial certification are required to provide information and documentation related to any illegal, unethical or incompetent behavior. Persons with a felony history may not be eligible to sit for the certification examination. When you apply to write the certification examination with the National Board for Certification in Occupational Therapy, you will be asked to answer questions related to the topic of felonies. For further information on these limitations, you can contact NBCOT at: Nation Board of Certification of Occupation Therapy, 800 S. Frederick Avenue, Suite 200, Gaithersburg, Maryland, 20877-4150.

Clinical accessibility policy

The occupational therapy assistant program utilizes a variety of health care agencies in the community for clinical experience for the students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, the agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from the agency, you may be ineligible to apply. A response indicating you will be permitted to attend clinicals in the agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program.

Core performance standards for admission and progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/ client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Fieldwork is an important part of the occupational therapy assistant program curriculum and is required to complete the program. There are two levels of fieldwork, plus the initial community experiences;

1. Community Experiences: These placements provide the students exposure to a variety of service programs and clientele within the community. The student is required to complete 20 hours each of the first two semesters.
2. Level I fieldwork is completed as an integrated part of course work. These placements are completed the fall and spring semesters of the second year. During this time, the students will spend consecutive days in an assigned facility, which has agreed to work with the occupational therapy assistant program as a training site. Placements will include psychosocial, physical disabilities, geriatric, pediatric, and developmental disability facilities.
3. Level II fieldwork consists of two eight-week clinical experiences. During this time the student will spend 40 hours per week at a contracted facility. Additional hours are frequently required to complete assignments at the various contracted fieldwork sites. Level II fieldwork is completed after all academic course work is completed.

For information contact:
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Director, Occupational Therapy Assistant Program
Phone: 307-268-2867
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Occupational Therapy Assistant, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 1000 - Problem Solving (3CR)
   - ZOO 2040 - Human Anatomy (3CR)
   - ZOO 2041 - Human Anatomy Lab (1CR)
   - ZOO 2110 - Human Physiology (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - PSYC 1000 - General Psychology (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives (5CR)
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- OCTH 2000 - Introduction to Occupational Therapy (2CR)
- COTA 2020 - Human Occupations and Life Roles (2CR)
- COTA 2100 - Psychosocial Aspects (3CR)
- COTA 2150 - Group Dynamics (1CR)
- COTA 2160 - Leadership Skills (2CR)
- COTA 2200 - Therapeutic Approaches and Media I (2CR)
- COTA 2210 - Therapeutic Approaches and Media II (2CR)
- COTA 2220 - Therapeutic Approaches and Media III (3CR)
- COTA 2300 - Fieldwork Integration I (2CR)
- COTA 2310 - Fieldwork Integration II (1CR)
- COTA 2320 - Fieldwork Integration III (1CR)
- COTA 2330 - Fieldwork Integration IV (1CR)
- COTA 2350 - Clinical Theory and Practice I (3CR)
- COTA 2400 - Clinical Theory and Practice II (3CR)
- COTA 2420 - Clinical Conditions (3CR)
- COTA 2450 - Health Care Systems (3CR)
- COTA 2500 - Fieldwork A (3CR)
- COTA 2550 - Fieldwork B (3CR)
- COTA 2600 - Fieldwork Options
- KIN 2050 - Functional Kinesiology (3CR)

Suggested Curriculum Sequence

Fall I
- ENGL 1010 - English I: Composition (3CR)
- COTA 2300 - Fieldwork Integration I (2CR)
- OCTH 2000 - Introduction to Occupational Therapy (2CR)
- PSYC 1000 - General Psychology (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- Elective-General Education (2CR)

Total (16CR)

Spring I
- COTA 2020 - Human Occupations and Life Roles (2CR)
- COTA 2200 - Therapeutic Approaches and Media I (2CR)
- COTA 2310 - Fieldwork Integration II (1CR)
- Humanities (Suggested: ART 1000) (3CR)
- KIN 2050 - Functional Kinesiology (3CR)
- ZOO 2110 - Human Physiology (4CR)
- Elective (1CR)

Total (16CR)

Summer I
- COTA 2150 - Group Dynamics (1CR)
- COTA 2420 - Clinical Conditions (3CR)
- ENGL 1020 - English II: Composition (3CR)

Total (7CR)

Fall II
- COTA 2100 - Psychosocial Aspects (3CR)
- COTA 2160 - Leadership Skills (2CR)
- COTA 2210 - Therapeutic Approaches and Media II (2CR)
- COTA 2320 - Fieldwork Integration III (1CR)
- COTA 2350 - Clinical Theory and Practice I (3CR)
- MATH 1000 - Problem Solving (3CR)
- Elective-General Education (3CR)

Total (16CR)

Spring II

- COTA 2220 - Therapeutic Approaches and Media III (3CR)
- COTA 2330 - Fieldwork Integration IV (1CR)
- COTA 2400 - Clinical Theory and Practice II (3CR)
- COTA 2450 - Health Care Systems (3CR)
- POLS 1000 - American and Wyoming Government (3CR)
- PEAC Physical education class (1CR)

Total (15CR)

Field Work

- COTA 2500 - Fieldwork A (3CR)
- COTA 2550 - Fieldwork B (3CR)
- COTA 2600 - Fieldwork Options

Electives

- COTA 2975 - Independent Study in OT

Curriculum Total (76CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Assistive Technology Certificate

This curriculum is designed to prepare students for employment in working with various age groups and disabilities who experience challenges in life skills and could benefit from Assistive Technology to maximize function and independence. Students will become eligible to assist personnel who incorporate Assistive Technology in identifying general considerations for various diagnoses, populations and safety and ethics in working with people with disabilities utilizing this specialized approach. Program Prerequisite: HLTK 1625, HLTK 1620 or an equivalent CPR certification.

Certificate Requirements

- HLTK 1855 - Assistive Technology Practicum (3CR)
- HLTK 1860 - Conditions and Symptomology (3CR)
- HLTK 1870 - Therapeutic Applications (3CR)
- SOC 1000 - Introduction to Sociology (3CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Equine Assisted Therapy Certificate

This curriculum is designed to prepare students for employment in working with various age groups and disabilities utilizing equine assisted therapy. Students will become eligible to assist personnel who use equine assisted therapy in identifying general considerations for various diagnoses, populations and safety and ethics in working with people with disabilities utilizing this specialized approach. Program Prerequisite: HLTK 1625, HLTK 1620 or an equivalent CPR certification.

Certificate Requirements

- HLTK 1860 - Conditions and Symptomology (3CR)
- HLTK 1865 - Equine Assisted Therapy Practicum (3CR)
- HLTK 1870 - Therapeutic Applications (3CR)
- SOC 1000 - Introduction to Sociology (3CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Gerontology Certificate

This curriculum is designed to prepare students for employment to work with geriatric clients. Throughout the course work, students learn about the effects of aging, therapeutic interactions, common diagnoses, and the importance of health and wellness when working with older adults. Students will become eligible to assist personnel who work with older adults in identifying general considerations for various diagnoses, safety and ethics in working with older adults utilizing this specialized approach. Program Prerequisite: HLTK 1625 or an equivalent CPR certification.

Certificate Requirements

- SOC 1000 - Introduction to Sociology (3CR)
- HLTK 1860 - Conditions and Symptomology (3CR)
- HLTK 1870 - Therapeutic Applications (3CR)
- HLTK 1875 - Gerontology Practicum (3CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Paralegal

ABA Approved

Casper College offers two degrees in the paralegal department that are approved by the American Bar Association. Our paralegal program prepares its students for transfer to bachelor programs. We also offer a post-bachelor's certificate. Our research courses provide our students with legal research skills, fact investigation skills, and computer assisted legal research skills with Westlaw and the Internet. Other courses provide students with skills in digesting depositions, organizing case files, drafting discovery documents, wills, contracts, corporation forms, and family law documents. Students also organize a trial notebook, interview expert witnesses, fact witnesses and clients, research evidentiary issues, draft a demand letter, prepare a medical chronology, and draft jury instructions. Our students are assisted in job placement through a job search seminar and internships.

Students are encouraged to take the C.L.A. Exam (Certified Legal Assistant Exam), which is offered three times a year at Casper College. A review course is offered each fall to prepare for this exam. The C.L.A. credential is a requirement for many jobs and is a nationally recognized credential.

The American Bar Association defines a paralegal as "a person, qualified by education, training, or work experience, who is employed or retained by a lawyer, law office, corporation, government agency or other entity and who performs specifically delegated substantive legal for which a lawyer is responsible."

Objectives of the paralegal program

1. Train students for employment as a paralegal in law offices, under the supervision of a licensed lawyer, where the paralegal can assist in the economical and efficient delivery of legal services in both the local job market and throughout the United States.
2. Train students with skills that are transferable to other jobs such as social work, police work, government administrative positions, insurance, business and banking positions.
3. Prepare students with the academic skills and courses necessary to transfer to bachelor programs.
4. Assist students in studying for the Certified Legal Assistant (C.L.A.) exam.
5. Provide opportunities for continuing education and upgrading of existing skills for paralegals already gainfully employed in the local job market.

NOTE: Graduates are not authorized to provide direct legal services to the public. The paralegal program provides training for paralegals who are authorized to perform substantive legal work under the supervision of a lawyer. A paralegal cannot establish the relationship with a client, set fees, represent a client in court or give legal advice. Students with felony convictions may not be able to obtain traditional paralegal positions. Transfer students may only transfer nine (9) hours of legal specialty courses.

Paralegal Studies, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - Biological science with lab (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - POLS 1000 - American and Wyoming Government (3CR)
   - PSYC 1000 - General Psychology (3CR)
   - THEA 1000 - Introduction to the Theatre (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above;
5. Physical Education (1CR)

Major Requirements

- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2230 - Law of Evidence (3CR)
- LEGL 1610 - Introduction to the Paralegal Profession (3CR)
- LEGL 1620 - Transactional Law (3CR)
- LEGL 1700 - Legal Analysis (3CR)
- LEGL 1710 - Legal Research and Writing I (3CR)
- LEGL 1720 - Legal Research and Writing II (3CR)
- LEGL 2500 - Civil Procedure (3CR)
- LEGL 2550 - Litigation Support (3CR)
- LEGL 2610 - Family Law (3CR)
- PHIL 1000 - Introduction to Philosophy (3CR)
  or
- PHIL 2420 - Critical Thinking (3CR)
- Computer competencies

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Paralegal Studies, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Biological science with lab (4CR)
    - Physical science with lab (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PHIL 1000 - Introduction to Philosophy (3CR)
      or
    - PHIL 2420 - Critical Thinking (3CR)
    - PSYC 1000 - General Psychology (3CR)
    - THEA 1000 - Introduction to the Theatre (3CR)
    - U.S. and Wyoming constitutions (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2230 - Law of Evidence (3CR)
- LEGL 1610 - Introduction to the Paralegal Profession (3CR)
- LEGL 1620 - Transactional Law (3CR)
- LEGL 1700 - Legal Analysis (3CR)
- LEGL 1710 - Legal Research and Writing I (3CR)
- LEGL 1720 - Legal Research and Writing II (3CR)
- LEGL 2500 - Civil Procedure (3CR)
- LEGL 2550 - Litigation Support (3CR)
- LEGL 2610 - Family Law (3CR)
- World language (one language) (8CR) or
- Fine arts and humanities (6CR)
- Optional: Internship or
- Independent study (3-6CR)
- Computer competencies

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Paralegal Certificate

Certificate Requirements

- CRMJ 2120 - Introduction to Criminal Justice (3CR)
- CRMJ 2210 - Criminal Law I (3CR)
  or
- Elective approved by director (3CR)
- CRMJ 2230 - Law of Evidence (3CR)
- LEGL 1610 - Introduction to the Paralegal Profession (3CR)
- LEGL 1620 - Transactional Law (3CR)
- LEGL 1700 - Legal Analysis (3CR)
- LEGL 1710 - Legal Research and Writing I (3CR)
- LEGL 1720 - Legal Research and Writing II (3CR)
- LEGL 2500 - Civil Procedure (3CR)
- LEGL 2610 - Family Law (3CR)
- LEGL 2550 - Litigation Support (3CR)
- Computer competencies

Note:

The certificate program is only available to students who have a bachelor’s degree.

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Paramedic Technology

The two year calendar paramedic technology associate degree is designed to prepare persons to provide immediate primary emergency care to people in health crises. The graduate will be able to provide basic and advanced life support under the direction of a physician to all age groups and populations. Extensive didactic instruction, skills, practicum and internship experiences will be completed to provide the student with the foundational knowledge and skills to successfully attain national registry of Emergency Medical Technicians-Paramedic certification. The primary goal of the program will be to produce competent, entry level paramedics to serve in career and volunteer positions.

The program has specific admission requirements in addition to general Casper College requirements. Students must maintain a GPA of at least 2.0 and must earn a grade of "C" or better in all paramedic courses in order to progress to the subsequent semester.

Background check and drug/alcohol policy

Students enrolled in any of the health science programs will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Following graduation, several of the state and/or national licensing or certification (registry) boards, may refuse to allow a graduate to sit for the required exam or issue a license or certification to a person who has a prior felony conviction or proven history of drug or alcohol abuse. Applicants to whom this applies should consult the program director for further information.

Clinical accessibility policy

The paramedic technology program utilizes a variety of health care agencies for clinical experience for the students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, the agency may not permit you to participate in the essential clinical component of the program.

Negative responses will be evaluated on an individual basis; however, this could severely impact your ability to complete the program of study. A response indicating you will be permitted to attend clinicals in the agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program.

Core performance standards for admission and progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Eligibility Requirements

To be considered for admission into the program, the applicant must:

1. Submit a completed application form with all high school and college transcripts and GED certification (if applicable) to the Office of Admissions and Student Records;
2. Have a composite score of 18 or better on the ACT if out of high school less than two years, and have completed courses recommended by the test with a "C" or better; or
3. Have taken the COMPASS test and have completed courses recommended by the test with a "C" or better, or successfully completed college courses;
4. Have completed ENGL 1010, HLTK 1200 , ZOO 2040/ZOO 2041 and ZOO 2110 (or their equivalents) with a "C" or better;
5. Current EMT-Basic with minimum of 1-year experience.
6. Have a college cumulative GPA of 2.0 or better for admission or readmission;
7. Have evidence of American Heart Association Healthcare Provider Cardiopulmonary Resuscitation (CPR) certification prior to the beginning of classes in the first semester;
8. Submit two (2) professional letters of recommendation to include one from the student's current medical director.

Paramedic Technology, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - MATH 1000 - Problem Solving (3CR)
    - ZOO 2040 - Human Anatomy (3CR)
    - ZOO 2041 - Human Anatomy Lab (1CR)
    - ZOO 2110 - Human Physiology (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - POLS 1000 - American and Wyoming Government (3CR)
    - PSYC 1000 - General Psychology (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- HLTK 1200 - Medical Terminology (3CR)
- PTEP 2500 - Introduction to Paramedic Technology (8CR)
- PTEP 2550 - Introduction to Paramedic Technology Clinical (2CR)
- PTEP 2600 - Paramedic Technology Medical Emergencies (8CR)
- PTEP 2650 - Paramedic Technology Medical Emergencies Clinical (3CR)
- PTEP 2675 - Paramedic Technology Trauma (7CR)
- PTEP 2700 - Paramedic Technology Advanced Cardiology and Special Considerations (8CR)
- PTEP 2750 - Paramedic Technology Field and Clinical Internship (10CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts ,and Associate of Applied Science degrees.

Pharmacy Technology

Casper College offers a choice of two options for the student interested in assisting the pharmacist in health care agencies and retail settings, the Pharmacy Technician Certificate and the Associate of Science in Pharmacy Technology. Both options consist of pharmacy technician as well as non-pharmacy technician courses, and students are integrated into all aspects of college life. In addition to the Casper College application for admission, a student desiring admission to either program must complete and submit to the director a departmental application when all eligibility requirements are met.

Background check and drug/alcohol policy

Students enrolled in any of the health science programs will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Following graduation, several of the state and/or national licensing or certification (registry) boards, including the Wyoming State Board of Pharmacy, may refuse to allow a graduate to sit for the required exam or issue a license or certification to a person who has a prior felony conviction or proven history of drug or alcohol abuse. Applicants to whom this applies should consult the program director for further information.

Clinical accessibility policy

The pharmacy technology program utilizes a variety of health care agencies in the community for clinical experience for the students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, the agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from the agency, you are automatically ineligible to register for PHTK courses. A response indicating you will be permitted to attend clinicals in the agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program.

Core performance standards for admission and progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/ client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Eligibility Requirements

To be considered for admission into the certificate program or the associate of science degree program, the applicant must:

1. Have graduated from high school or have earned a GED;
2. Submit a completed application form with all high school and college transcripts and GED certification (if applicable) to the Office of Admissions and Student Records and a departmental application form to the pharmacy technology director by March 1 for primary consideration;
3. Have a composite score of 18 or better on the ACT if out of high school less than two years, and have completed courses recommended by the test with a "C" or better; or
4. Have taken the COMPASS test and have completed courses recommended by the test with a "C" or better, or successfully completed college courses; and
5. Have completed ENGL 1010 for the AS degree program with a "C" or better; and
6. Have completed ZOO 2040 and ZOO 2041 for the AS degree program or BIOL 1000 for the certificate program; and
7. Have completed CHEM 1005/CHEM 1006 with a "C" or better;
8. Demonstrate proficiency in medical terminology by completing HLTK 1200 (or its equivalent) with a "C" or better;
9. Have a college cumulative GPA of 2.3 or better for admission or readmission;
10. Participate in a personal interview.

Requirements for maintaining enrollment

To maintain ongoing enrollment in the program, you must meet the following requirements:

1. Have evidence of a recent health examination completed by the applicant's physician or advanced nurse practitioner upon starting the first semester;
2. Have evidence of immunizations/skin tests as required by agencies providing clinical experiences;
3. Test negative on any drug or alcohol screening required by agencies providing clinical experiences;
4. Provide evidence of current health insurance and maintain the health insurance while in either pharmacy technology program;

5. Have a 2.0 or better GPA for each semester and a "C" or better in all pharmacy technology, allied health, and laboratory science courses to progress in the program;
6. Maintain a "technician-in-training" permit.

Pharmacy Technology, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - CHEM 1005 - Basic Chemistry I (3CR)
   - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
   - ZOO 2040 - Human Anatomy (3CR)
   - ZOO 2041 - Human Anatomy Lab (1CR)
   - ZOO 2110 - Human Physiology (4CR)
   - MATH 1400 - Pre-Calculus Algebra (4CR)
     (*16 credits allowed in this field of study)
2. Communication
   - CO/M 1010 - Public Speaking (3CR)
     or
   - CO/M 1030 - Interpersonal Communication (3CR)
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - PSYC 1000 - General Psychology (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CMAP 1610 - Windows I (2CR)
- HLTK 1200 - Medical Terminology (3CR)
- HLTK 1620 - American Heart Association Heart Saver First Aid, CPR and AED (.33CR)
- PHTK 1000 - Calculations for Health Care (1CR)
- PHTK 1500 - Introduction to Profession of Pharmacy (1CR)
- PHTK 1600 - Introduction to Pharmacy Operations I (4CR) *
- PHTK 1610 - Introduction to Pharmacy Operations II (4CR) *
- PHTK 1630 - Calculations for Compounding (1CR) *
- PHTK 1650 - Pharmacy Law and Ethics (2CR) *
- PHTK 1710 - Pharmacology/Pharmaceutical Products I (3CR) *
- PHTK 1720 - Pharmacology/Pharmaceutical Products II (3CR) *
- PHTK 2971 - Introduction to Pharmacy Environment: Practicum I (5CR) *
- PHTK 2972 - Retail Pharmacy Tech: Practicum II (5CR) *
- PHTK 2973 - Pharmacy Tech: Practicum III (5CR) *

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

* Enrollment limited to pharmacy technology majors.

In order to successfully complete either curriculum, the student must have a cumulative GPA of 2.0 and a "C" or better in all of the major courses, and a satisfactory rating in all clinical practicals.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pharmacy Technology Certificate

Certificate Requirements

General Education

- CMAP 1610 - Windows I (2CR)
- CO/M 1010 - Public Speaking (3CR)
  or
- CO/M 1030 - Interpersonal Communication (3CR)
- MATH 0930 - Intermediate Algebra (4CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- ZOO 2040 - Human Anatomy (3CR)
  and
- ZOO 2041 - Human Anatomy Lab (1CR)
  and
- ZOO 2110 - Human Physiology (4CR)
- CHEM 1005 - Basic Chemistry I (3CR)
- CHEM 1006 - Basic Chemistry Laboratory I (1CR)
- HLTK 1200 - Medical Terminology (3CR)
- HLTK 1620 - American Heart Association Heart Saver First Aid, CPR and AED (.33CR)
- PHTK 1000 - Calculations for Health Care (1CR)
- PHTK 1500 - Introduction to Profession of Pharmacy (1CR)
- PHTK 1600 - Introduction to Pharmacy Operations I (4CR) *
- PHTK 1610 - Introduction to Pharmacy Operations II (4CR) *
- PHTK 1630 - Calculations for Compounding (1CR) *
- PHTK 1650 - Pharmacy Law and Ethics (2CR) *
- PHTK 1710 - Pharmacology/Pharmaceutical Products I (3CR) *
- PHTK 1720 - Pharmacology/Pharmaceutical Products II (3CR) *
- PHTK 2971 - Introduction to Pharmacy Environment: Practicum I (5CR) *
- PHTK 2972 - Retail Pharmacy Tech: Practicum II (5CR) *
- PHTK 2973 - Pharmacy Tech: Practicum III (5CR) *

Note:

* Enrollment limited to pharmacy technology majors.

The normal length of this program is 18 months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Physical Education

The physical education department offers activity classes for all able bodied students. All students are required to complete at least one semester hour in physical education activity classes to satisfy graduation requirements. A maximum of four semester credits in physical education activity classes may be applied toward the 64 semester credits needed for graduation. The physical education major may apply a maximum of eight semester credits toward graduation. These credits must come from each of four different areas of physical education activity classes: aquatic, fitness, outdoor and individual sport.

The physical education department prepares students for transfer to higher level institutions and provides activities in the basic education program that instill the knowledge, values, and skills necessary to promote an active and healthy lifestyle throughout life.

The physical education major program offers areas of concentration in teaching, exercise science (nonteaching), and health.

Core performance standards for admission and progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/ client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Athletic Training, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- CO/M 1010 - Public Speaking (3CR)
- FCSC 1141 - Principles of Nutrition (3CR)
- KIN 1020 - Taping and Wrapping for Orthopedic Injuries (1CR)
- KIN 1052 - Introduction to Athletic Training (3CR)
- KIN 1058 - Emergency Management of Athletic Injury/Illness (3CR)
- KIN 2050 - Functional Kinesiology (3CR)
- KIN 2057 - Assessment and Evaluation of Athletic Injuries/Illness I (3CR)
- KIN 2058 - Assessment and Evaluation of Athletic Injuries/Illness II (3CR)
- KIN 2068 - Athletic Training Clinical I (1CR)
- KIN 2078 - Athletic Training Clinical II (1CR)
- KIN 2098 - Athletic Training Clinical III (1CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- PEPR 1005 - Introduction to Physical Education and Sport (2CR)
- PHYS 1050 - Concepts of Physics (4CR)
  or
- PHYS 1110 - General Physics I (4CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Electives (as indicated by advisor)

Recommended:

- HLED 1006 - Personal and Community Health (3CR)
- HLTK 1200 - Medical Terminology (3CR)

Note:

Students who plan to transfer to the University of Wyoming are advised that UW requires CHEM 1005 Basic Chemistry and CHEM 1006 Basic Chemistry Lab.

Major courses listed are designed to fit a variety of transfer programs. Students transferring to specific Baccalaureate programs at other institutions should provide their academic advisor with a copy of that program to ensure proper transfer of courses (some substitution of courses will be allowed).

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Physical Education, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- FCSC 1141 - Principles of Nutrition (3CR)
- HLED 1006 - Personal and Community Health (3CR)
- HLTK 1620 - American Heart Association Heart Saver First Aid, CPR and AED (.33CR) *
- PEPR 1005 - Introduction to Physical Education and Sport (2CR)
- PEPR 2030 - Motor Learning (3CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)

Note: Students who plan to transfer to the University of Wyoming are advised that UW requires CHEM 1005 - Basic Chemistry and CHEM 1006 - Basic Chemistry Lab.

Areas of Specialization

Teaching

- CO/M 1030 - Interpersonal Communication (3CR)
- EDFD 2100 - Educational Psychology (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- ITEC 2360 - Teaching with Technology (3CR)
- PEPR 2012 - Physical Education for Elementary School (3CR)
- PEPR 2460 - Field Experience (Physical Education)

Coaching Certification

- HLTK 1620 - American Heart Association Heart Saver First Aid, CPR and AED (.33CR) *
- PEPR 1052 - Care and Prevention of Athletic Injuries (3CR) *
- PEPR 2090 - Foundations of Athletic Coaching (3CR) *
- PEPR 2091 - Athletic Officiating I (2CR)
- PEPR 2100 - Theory of Coaching: Volleyball (2CR) *

  or
- PEPR 2150 - Theory of Coaching: Basketball (2CR) *

Note: *Completion of these five courses results in an Assistant Athletic Coaching Permit issued by the Wyoming State Professional Teaching Standards Board.

Exercise Science

- CHEM 1005 - Basic Chemistry I (3CR)
- CHEM 1006 - Basic Chemistry Laboratory I (1CR)
- COSC 1200 - Computer Information Systems (3CR)
- PEPR 1052 - Care and Prevention of Athletic Injuries (3CR)
- PEPR 2135 - Personal Trainer Education (3CR)
- PEPR 2460 - Field Experience (Physical Education)

Recommended:

- CO/M 1010 - Public Speaking (3CR)

  or
- CO/M 1030 - Interpersonal Communication (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)

Note: Colleges offering four-year degrees in athletic training and exercise science may have program admission requirements. Please check with the college that you plan to attend.

Health

- COSC 1200 - Computer Information Systems (3CR)
- HLTK 1200 - Medical Terminology (3CR)
- PSYC 2200 - Human Sexuality (3CR)
- PSYC 2210 - Drugs and Behavior (3CR)
- Electives approved by department head (3CR)

Recommended:

- CO/M 1010 - Public Speaking (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Physics

The Physics Department offers courses to prepare the student for advanced work in engineering and other physical sciences, courses required in other programs such as the life sciences and education, and courses that contribute to a general studies program.

Students who take more than one of the physics sequences should consider the following rules regarding credit for graduation:

1. A maximum of four semester credits may be applied toward graduation by completing PHYS 1110 and PHYS 1310.
2. A maximum of four semester credits may be applied toward graduation by completing PHYS 1120 and PHYS 1320.

Physics, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- MATH 2200 - Calculus I (5CR)
- MATH 2205 - Calculus II (5CR)
- MATH 2210 - Calculus III (5CR)
- MATH 2310 - Applied Differential Equations I (3CR)
  or
- MATH 2250 - Elementary Linear Algebra (3CR)
- PHYS 1310 - College Physics I (4CR)
- PHYS 1320 - College Physics II (4CR)
- PHYS 2310 - Physics III: Waves and Optics (5CR)
  or
- PHYS 2320 - Physics IV: Modern Physics (5CR)

Electives (13 credits)

Recommended electives:

Graduation requirements for the College of Arts and Science at the University of Wyoming. Other universities may have different requirements.

- COSC 1030 - Computer Science I (4CR)
- ES 1060 - Introduction to Engineering Computing (3CR)
- Biological science or earth science (4CR)
- World language (8CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

To obtain a degree in physics, a student must obtain a grade of "C" or better in all major requirements.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Political Science

Political science is the study of the formal and informal institutions and processes by which people seek to regulate themselves in civil society. Students who major in political science often seek careers in the private sector, teaching, government service and administration, and the law.

Political Science, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside the major field of study.

1. Exploration and Participation
    - Laboratory Science (8CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - POLS 1000 - American and Wyoming Government (3CR)
    - Cultural Environment (3CR)
    - Human Behavior (3CR) (Non-POLS)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)
- World Language (8CR)
- Approved Electives (7CR)

At least 12 additional credits from the following:

- POLS 1020 - Issues in Foreign Relations I (3CR)
- POLS 1030 - Issues in Foreign Relations II (3CR)
- POLS 1200 - Non-Western Political Cultures (3CR)
- POLS 2000 - Current Issues in American Government (3CR)
- POLS 2200 - Politics of Europe (3CR)
- POLS 2290 - Governments and Politics of Latin America (3CR)
- POLS 2310 - Introduction to International Relations (3CR)
- POLS 2410 - Introduction to Public Administration (3CR)
- POLS 2460 - Introduction to Political Philosophy (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Power Plant Technology

Process Technology Certificate

The Process Technology certificate will be taught in a cohort week, Monday through Friday format. The courses within the certificate will provide the necessary skills for students interested in entering process technology career fields.

Certificate Requirements

- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ENVT 1600 - Industrial Safety (4CR)
- PTEC 1020 - Introduction to Mechanical Fundamentals (2CR)
- PTEC 1500 - Introduction to Process Technology (2CR)
- PTEC 1550 - Foundations of Quality (2CR)
- PTEC 1600 - Process Technology I (3CR)
- PTEC 1605 - Process Technology II (3CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Pre-Professional

Pre-Professional Curricula

Pre-professional degree programs are designed to prepare students for entry into a bachelor degree program and then into their identified area of professional schooling. It is necessary for pre-professional students to work closely with an academic advisor to ensure that the requirements of the identified professional school(s) are met. For each pre-professional student, the degree program will be modified to provide the student with coursework that will best prepare them for their future studies and professional practice. Students expecting to qualify for admission into professional schools are urged to study carefully the particular requirements of the institution from which they wish to obtain a degree. Since society imposes leadership responsibilities on professionally trained people, most professional schools recommend that pre-professional training should stress 1) proficiency in language, 2) broad cultural background in the liberal arts or humanistic studies and in the social and behavioral sciences, and 3) completion of some basic science course and familiarity with the use of the scientific laboratory method.

Pre-Dentistry, A.S.

This is a transfer degree program.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
      or
    - BIOL 1010 - General Biology I (4CR)
    - Mathematics (8CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 2022 - Animal Biology (4CR)
- BIOL 2023 - Plant and Fungal Biology (4CR)
- MOLB 2210 - General Microbiology (4CR)
- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- PHYS 1110 - General Physics I (4CR)
- PHYS 1120 - General Physics II (4CR)
- World Language (8CR)*

Note:

* Students should refer to the requirements of their professional school or transfer institution.

To obtain a degree in Pre-Dentistry or Pre-Medicine, a student must receive a grade of "C" or better in all major requirements.

The normal length of this program is two academic years at 17-19 credits hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Medicine, A.S.

This is a transfer degree program.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
    - BIOL 1010 - General Biology I (4CR)
    - Mathematics (8CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 2022 - Animal Biology (4CR)
- BIOL 2023 - Plant and Fungal Biology (4CR)
- MOLB 2210 - General Microbiology (4CR)
- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- PHYS 1110 - General Physics I (4CR)
- PHYS 1120 - General Physics II (4CR)
- World Language (8CR)*

Note:

* Students should refer to the requirements of their professional school or transfer institution.

To obtain a degree in Pre-Dentistry or Pre-Medicine, a student must receive a grade of "C" or better in all major requirements.

The normal length of this program is two academic years at 17-19 credits hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Occupational Therapy, A.S.

The pre-occupational therapy program at Casper College is designed to prepare students to transfer to a professional program at another institution and is not a certified occupational therapy assistant (COTA) program. Casper College has a partnership with the University of North Dakota providing students the opportunity to earn an entry-level Master's degree in Occupational Therapy while remaining on the Casper College Campus. Casper College students will work with a Casper College advisor prior to applying for entry to this program. The University of North Dakota MOT Program - Casper College site - is located in the Loftin Life Science Building, 307-268-2613.

Students planning to transfer to schools other than UND should contact those schools to obtain transfer requirements, and should notify the pre-OT advisor so that appropriate course selections are made.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
    - CHEM 1005 - Basic Chemistry I (3CR)
    - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - SOC 1000 - Introduction to Sociology (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (9CR)*
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.

Major Requirements

- OCTH 2000 - Introduction to Occupational Therapy (2CR)
- PSYC 1000 - General Psychology (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2340 - Abnormal Psychology (3CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- World Cultures (3CR)*
- Electives (4CR)

Note:

*UND/CC students will need to have completed 9 credit hours of humanities credit and 3 hours of world culture credit that is accepted by the University of North Dakota as transferable. Please work with pre-OT advisor to ensure appropriate course selection.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Optometry, A.S.

This is a transfer degree program.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
      or
    - BIOL 1010 - General Biology I (4CR)
    - BIOL 2022 - Animal Biology (4CR)
      or
    - BIOL 2023 - Plant and Fungal Biology (4CR)
      or
    - MOLB 2210 - General Microbiology (4CR)
    - Mathematics (6CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- CHEM 2300 - Introductory Organic Chemistry (4CR)
  or
- CHEM 2320 - Organic Chemistry I (3CR)
  and
- CHEM 2325 - Organic Chemistry Laboratory I (1CR)
- MATH 2200 - Calculus I (5CR) *

- MOLB 2210 - General Microbiology (4CR)
- MOLB 2220 - Pathogenic Microbiology (4CR)
- PHYS 1110 - General Physics I (4CR)
- PHYS 1120 - General Physics II (4CR)

Note:

* Students should refer to the requirements of their professional school or transfer institution.

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Pharmacy, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1010 - General Biology I (4CR)
- BIOL 2022 - Animal Biology (4CR)
  or
- BIOL 2023 - Plant and Fungal Biology (4CR)
- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- CHEM 2320 - Organic Chemistry I (3CR)
- CHEM 2325 - Organic Chemistry Laboratory I (1CR)
- CHEM 2340 - Organic Chemistry II (3CR)
- CHEM 2345 - Organic Chemistry Laboratory II (1CR)
- MATH 2200 - Calculus I (5CR)
- MOLB 2210 - General Microbiology (4CR)
- MOLB 2220 - Pathogenic Microbiology (4CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)

Note:

This degree does not guarantee that a student has met all the prerequisites for admission to any pharmacy school.

***Exact entry level course is determined by ACT or Compass scores.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Physical Therapy, A.S.

This is a transfer degree. This course curriculum transfers to the University of North Dakota.

Recommended Curriculum

General Education (Minimum 32 hours)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Included in the major requirements below
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
  or
- BIOL 1010 - General Biology I (4CR)
- BIOL 2022 - Animal Biology (4CR)
  or
- BIOL 2023 - Plant and Fungal Biology (4CR)
  or
- MOLB 2210 - General Microbiology (4CR)
- CHEM 1025 - Chemistry I (3CR)
- CHEM 1028 - Chemistry Laboratory I (1CR)
- CHEM 1035 - Chemistry II (3CR)
- CHEM 1038 - Chemistry Laboratory II (1CR)
- MATH 1400 - Pre-Calculus Algebra (4CR)
- MATH 1405 - Pre-Calculus Trigonometry (3CR)
- PHYS 1110 - General Physics I (4CR)
- PHYS 1120 - General Physics II (4CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)
- SOC 1000 - Introduction to Sociology (3CR)

- ZOO 2040 - Human Anatomy (3CR)
- ZOO 2041 - Human Anatomy Lab (1CR)
- ZOO 2110 - Human Physiology (4CR)
- Fine arts and humanistic studies/ social sciences (9CR) *
- World cultures course (3CR) *

Note:

*Students should refer to the requirements of their professional school or transfer institution for course listing acceptable toward graduation at that institution. It is possible to receive an AS degree from Casper College with 70 hours completed although most professional schools require more than 70 hours of prerequisite course work. This course curriculum is from the University of North Dakota.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Pre-Veterinary, A.S.

This curriculum is designed to meet the general requirements for admission into the WUE school of veterinary medicine at Colorado State University or Washington State University. Admission requirements vary with each professional school. Therefore, students should determine, as soon as possible, which school of veterinary medicine they plan to attend. Then the student's program can be planned in such a way as to meet the specific requirements of the chosen professional school.

Because of the large number of required courses, many students are taking three years to complete this program.

This is a transfer degree.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
      or
    - BIOL 1010 - General Biology I (4CR)
    - BIOL 2022 - Animal Biology (4CR)
      or
    - BIOL 2023 - Plant and Fungal Biology (4CR)
    - MATH 1400 - Pre-Calculus Algebra (4CR)
    - MATH 1405 - Pre-Calculus Trigonometry (3CR)
2. Communication
    - CO/M 1010 - Public Speaking (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CHEM 2320 - Organic Chemistry I (3CR)
- CHEM 2325 - Organic Chemistry Laboratory I (1CR)
- MOLB 2210 - General Microbiology (4CR)
- MOLB 2220 - Pathogenic Microbiology (4CR)
- PHYS 1110 - General Physics I (4CR)
- PHYS 1120 - General Physics II (4CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
- Electives (8CR) *

Note:

*Prior to transfer, it is recommended that students complete CHEM 3750 - Principles of Biochemistry (University of Wyoming course offered in Casper).

The above curriculum will vary to some degree with the student's background and experience. For example, some students will not need the beginning mathematics courses and may go directly into calculus. This will save time and permit the student to complete additional courses. Recommended courses include animal production, genetics, microbiology, and comparative chordate anatomy.

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Psychology

Psychology is the wide-ranging scientific study and exploration of behavior and mental processes. Many psychology graduates pursue eventual graduate training in law, medicine, psychology or a related field. Critical thinking skills are emphasized and developed. Psychology courses are an excellent complement to any profession or course of training that involves human interaction.

Psychology, A.S.

The following two-year curriculum identifies courses needed to meet the general education and psychology department requirements for the Associate of Science Psychology. Students should refer to the academic policies and requirements of the intended transfer institution for further advisement.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- PSYC 1000 - General Psychology (3CR)
- PSYC 2000 - Research Psychological Methods (4CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)
- Electives (8CR)

At least twelve (12) additional credits from the following:

- PSYC 2020 - Positive Psychology (3CR)
- PSYC 2050 - Introductory Counseling/Clinical Theories (3CR)
- PSYC 2060 - Psychology of Gender (3CR)
- PSYC 2080 - Biological Psychology (3CR)
- PSYC 2200 - Human Sexuality (3CR)
- PSYC 2210 - Drugs and Behavior (3CR)
- PSYC 2230 - Sports and Exercise Psychology (3CR)
- PSYC 2260 - Alcoholism (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2360 - Lifespan: Adulthood and Aging (1CR)
- STAT 2150 - Statistical Methods of Data Analysis (5CR)

Note:

Courses from the departments of addictionology, anthropology, biology, chemistry, computer science, counseling, English, fine arts, world language, humanities, mathematics, physics, sociology, statistics and zoology, chosen in consultation with a psychology department faculty advisor, are recommended as electives for psychology majors.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Cognitive Retraining Certificate

This certificate program is designed to prepare individuals to work with individuals with acquired brain injuries. Completing this program will assist individuals to prepare and qualify for the national examination as a Certified Brain Injury Specialist through the Academy of Certified Brain Injury Specialists.

Certificate Requirements

- BIOL 1000 - Introduction to Biology I (4CR)
- HLTK 1200 - Medical Terminology (3CR)
- HLTK 1870 - Therapeutic Applications (3CR)
- HLTK 1625 - American Heart Association BLS for the Healthcare Provider (.33CR)
- KIN 1058 - Emergency Management of Athletic Injury/Illness (3CR)
- PSYC 1000 - General Psychology (3CR)
- PSYC 2080 - Biological Psychology (3CR)
- PSYC 2300 - Developmental Psychology (3CR)
- PSYC 2340 - Abnormal Psychology (3CR)
- PSYC 2390 - Acquired Brain Injuries (3CR)
- PSYC 2970 - Cognitive Retraining Practicum (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Radiography

Radiographers are experts in the art and science of diagnostic medical radiography and are valuable members of the health care team. The Associate of Science in Radiography Program at Casper College spans 24 months of continuous education which includes two summer sessions. Didactic instruction (theory) is conducted at the college where students are required to obtain 53-58 academic-technical credit hours. Clinical instruction (practicum) is conducted at the Wyoming Medical Center, the two radiology departments of Outpatient Radiology of Casper, Community Health Center of Central Wyoming, Central Wyoming Neurosurgery, Memorial Hospital of Converse County, Sheridan Memorial Hospital, Lander Valley Medical Center, Mountain View Regional Hospital, Riverton Memorial Hospital, Campbell County Memorial Hospital, Casper Orthopedics, Memorial Hospital of Carbon County, and Western Medical for a total of 1125 clinical education hours accounting for an additional 20 clinical education credits.

Mission

The Associate of Science in Radiography Program at Casper College produces competent medical radiographers eligible for immediate employment or advanced education, by offering high quality educational and clinical experiences.

Purpose

The radiography program at Casper College provides quality learning opportunities for its students in order to accomplish its mission. It also encourages and supports life-long learning. By maintaining national accreditation, the radiography program will prepare students to meet the demands of the profession. This includes technical skills, as well as their ability to be intellectually adaptive and communicate well, to think analytically, to integrate knowledge, and to appreciate cultural and social diversity. Graduates will learn to exhibit and apply high ethical values and standards of practice in regard to patient care in the healthcare field.

Program goals

1. **Clinical Performance and Competence**
   Students will produce high quality images by possessing the knowledge, clinical application, radiation safety practices and patient care skills needed to meet the needs of the radiography community as entry level radiographers.
2. **Problem Solving and Critical Thinking**
   Students will demonstrate sound problem solving and critical thinking skills necessary to function effectively in the clinical setting.
3. **Communication**
   Students will communicate effectively with patients, peers, and other members of the healthcare team. Through effective communication students will function as a productive member of the healthcare team.
4. **Professional Growth and Development**
   Students will understand the purpose and importance of professional values, ethics, continuing education, and life-long learning.
5. **Program Effectiveness**
   Graduates will fulfill the needs of the health care community. The program will provide the community with graduates who are able to function as an active member of the health care team.

Accreditation and certification

Casper College's radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), located at 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901. The JRCERT phone number is 312-704-5300 and the website with program information is located at jrcert.org. Graduates of this program meet eligibility requirements for taking the national certification examination in radiography administered by the American Registry of Radiologic Technologists (ARRT). Upon passing this examination, students are certified as Registered Radiologic Technologists, R.T., ARRT, with all rights and privileges. The ARRT may refuse certification to a person who has a prior felony conviction. The American Registry of Radiologic Technologists is located at 1255 Northland Drive, St. Paul, MN; and can be reached by phone at 651-687-0048. Please consult the radiography program director for further information.

Background check and drug/alcohol policy

Students enrolled in any of the health science programs will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Following graduation, several of the state and/or national licensing or certification (registry) boards, including the American Registry of Radiologic Technologists (ARRT), may refuse to allow a graduate to sit for the required exam or issue a license or certification to a person who has a prior felony conviction or proven history of drug or alcohol abuse. Applicants to whom this applies should consult the program director for further information.

Clinical accessibility policy

The radiology program uses a variety of health-care agencies in the community for clinical experience for the students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, the agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from the agency, you are automatically ineligible to apply. A response indicating you will be permitted to attend clinicals in the agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program.

Core Performance Standards for Admission and Progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Program admission requirements

New students are selected once each year, mid-spring semester. February 15 is the deadline to apply. Students failing to complete all requirements by this time will have to wait for program selection the following year. Professional education starts at the beginning of the summer semester. A maximum of 21 students are admitted each year.

Academic requirements

Students must:

1. Contact program faculty member for program application;
2. Be admitted as a classified student to Casper College before the deadline;
3. Be 18 years of age or older;
4. Have completed the following college courses with a minimum GPA of 2.3:

ENGL 1010 - English I: Composition	3
HLTK 1200 - Medical Terminology	3
HLTK 1625 American Heart Association BLS for the Healthcare Provider	.33
MATH 1400 - Pre-Calculus Algebra	4
ZOO 2040 - Human Anatomy and	
ZOO 2041 - Human Anatomy Lab and	
ZOO 2110 - Human Physiology	4

5. It is recommended that the cultural environment elective is completed prior to admission to the program.
6. Participate in an observation period (fall semester) and a personal interview if selected based on criteria and grades (spring semester);
7. Submit two letters of recommendation;
8. If accepted into the program present documentation of MMR, chicken pox, and hepatitis B vaccination, PPD test, and evidence of health insurance and current driver's license as required by the clinical affiliates. Present evidence of a recent health examination.

Recommended coursework

High school physics or chemistry or equivalent (PHYS 1050 or PHYS 1110).

Transfer students

Students desiring to transfer into Casper College's medical radiography program from other JRCERT accredited programs may be accepted if there is adequate space available. All transfer students are expected to meet all program requirements of Casper College's Radiography Program before they graduate. Interested students should contact the program director.

Registered Radiologic Technologists (R.T.), ARRT

Technologists currently holding certificates in radiography from the American Registry of Radiologic Technologists and who do not possess an associate degree in radiologic technology from an accredited educational institution may pursue an associate degree with a major in radiography at Casper College.

Technologists will be expected to meet academic institutional degree requirements for the associate of science degree.

A maximum of 20 clinical education credits will be awarded to all registered technologists. A maximum of 27 didactic radiography credits may be awarded if technologists can verify they are currently employed as practicing radiographers. Individuals who have been unemployed beyond one year will be required to take specific didactic radiography courses. Interested technologists should contact the program director.

Radiography, A.S.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - ZOO 2040 - Human Anatomy (3CR)
   - ZOO 2041 - Human Anatomy Lab (1CR)
   - ZOO 2110 - Human Physiology (4CR)
   - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
   - PSYC 1000 - General Psychology (3CR)
     or
   - SOC 1000 - Introduction to Sociology (3CR)
   - U.S. and Wyoming constitutions (3CR)
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- COSC 1200 - Computer Information Systems (3CR)
- HLTK 1200 - Medical Terminology (3CR)
- HLTK 2200 - Sectional Anatomy (3CR)
- RDTK 1500 - Introduction to Radiologic Technology (1CR)
- RDTK 1530 - Patient Care and Management (2CR)*
- RDTK 1580 - Radiographic Positioning I (2CR)*
- RDTK 1610 - Radiographic Imaging I (3CR)
- RDTK 1640 - Radiographic Imaging II (3CR)
- RDTK 1680 - Radiographic Positioning II (2CR)
- RDTK 1710 - Clinical Education I (2CR)

- RDTK 1810 - Clinical Education II (3CR)
- RDTK 1830 - Pharmacology for Radiographers (1CR)
- RDTK 1910 - Clinical Education III (3CR)
- RDTK 2580 - Radiographic Positioning III (2CR)
- RDTK 2630 - Radiographic Pathology (2CR)
- RDTK 2640 - Radiation Biology and Protection (2CR)
- RDTK 2710 - Clinical Education IV (2CR)
- RDTK 2810 - Clinical Education V (5CR)
- RDTK 2910 - Clinical Education VI (5CR)
- RDTK 2930 - Transition from Student to Radiographer (2CR)

Note:

To continue in the Associate of Science Radiography Program, a student must maintain a cumulative GPA of 2.3 or better and earn a "C" or better in all radiography, allied health, and laboratory science courses.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Computed Tomography Certificate

Computed Tomography (CT) Technologists are highly skilled professionals who use specialized computerized equipment to produce cross sectional images that aid radiologists in diagnosing disease and disorders. CT technologists must be knowledgeable of anatomy, physiology, patient care, communication skills, physics, equipment operation, procedure protocol and patient safety. The one year computed tomography certificate program is designed to provide advanced technical skills to graduates of an accredited radiography program who are also registered technologists. The program provides the advanced competency requirements needed to take the American Registry of Radiologic Technologists (ARRT) exam in Computed Tomography (CT). This certificate program consists of classroom-based and hybrid (web-based) didactic courses as well as clinical education for the student. The clinical component is required to complete competency exams required to sit the ARRT CT post-primary certification exam.

Admissions Requirements: Must be a registered Radiologic Technologist (radiographer or radiation therapist): Registered Nuclear Medicine Technologist (ARRT or NMTCB); or be registry eligible.

Certificate Requirements: Must be a registered Radiologic Technologist (radiographer or radiation therapist): Registered Nuclear Medicine Technologist (ARRT or NMTCB); or be registry eligible.

Certificate Requirements

- RDTK 1915 - Introduction to Computed Tomography (2CR)
- RDTK 1920 - Computed Tomography Procedures I (3CR)
- RDTK 1925 - Computed Tomography Physics and Instrumentation I (3CR)
- RDTK 1930 - Computed Tomography Clinical I (3CR)
- RDTK 2935 - Computed Tomography Clinical II (3CR)
- RDTK 2941 - Computed Tomography Physics and Instrumentation II (3CR)
- RDTK 2945 - Computed Tomography Procedures II (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Magnetic Resonance Imaging Certificate

Magnetic Resonance Imaging (MRI) Technologists are highly skilled professionals who use specialized computerized equipment to produce cross sectional images that aid radiologists in diagnosing disease and disorders. MRI technologists must be knowledgeable of anatomy, physiology, patient care, communication skills, physics, equipment operation, procedure protocol and patient safety. The one-year magnetic resonance imaging certificate program is designed to provide advanced technical skills to graduates of an accredited radiography program who are also registered technologists. The program provides the advanced competency requirements needed to take the American Registry of Radiologic Technologists (ARRT) exam in Magnetic Resonance Imaging (MRI). This certificate program consists of classroom-based and hybrid (web-based) didactic courses as well as clinical education for the student. The clinical component is required to complete competency exams required to sit the ARRT MRI post-primary certification exam.

Admissions Requirements: Must be a registered Radiologic Technologist (radiographer or radiation therapist); Registered Nuclear Medicine Technologist (ARRT or NMTCB); or be registry eligible.

Certificate Requirements: Must be a registered Radiologic Technologist (radiographer or radiation therapist); Registered Nuclear Medicine Technologist (ARRT or NMTCB); registered Diagnostic Medical Sonographer (ARRT or ARDMS); or be registry eligible.

Certificate Requirements

- RDTK 1940 - Introduction to MRI (2CR)
- RDTK 1945 - MRI Clinical Education I (3CR)
- RDTK 1950 - MRI Procedures I (3CR)
- RDTK 1955 - MRI Principles I: Physics of Magnetic Resonance Imaging (3CR)
- RDTK 2915 - MRI Clinical Education II (3CR)
- RDTK 2920 - MRI Procedures II (3CR)
- RDTK 2925 - MRI Principles II: Instrumentation and Imaging (3CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Renewable Energy Technology

The Renewable Energy Technology program is a versatile interdisciplinary program that offers students the opportunity to become trained in a variety of technologies. The core of the program is centered on electrical power generation from wind and solar. Students will be given an industrial maintenance foundation as well as an opportunity to select courses in construction, business, geographical information systems, and information technology.

Renewable Energy Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (one course minimum)
    - Laboratory Science (4CR)
    - Mathematics (3-4CR) - 1000 level or higher
2. Communication
    - Written or Spoken Communication
3. Relationship with the World
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ATSC 2000 - Introduction to Meteorology (4CR)
- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 1535 - Electrical Power (3CR)
- ELTR 1570 - Electric Circuits (4CR)
- ELTR 1620 - Electrical Concepts Laboratory (1.5CR)
- ELTR 2945 - Fiber Optic Workshop (2CR)
- ENTK 1510 - Drafting I (4CR)
- ENVT 1600 - Industrial Safety (4CR)
- RETK 1500 - Solar Power Systems (2CR)
- RETK 1505 - Small Wind Turbines (2CR)
- RETK 1520 - Wind Power Systems (3CR)
- RETK 2530 - Instrumentation (3CR)
- RETK 2500 - Basic Site Planning (3CR)
- RETK 2550 - Power Distribution (3CR)
- Electives (approved) (8CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Renewable Energy Technology Certificate

Certificate Requirements

- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ELTR 1535 - Electrical Power (3CR)
- ELTR 2945 - Fiber Optic Workshop (2CR)
- ENVT 1600 - Industrial Safety (4CR)
- RETK 1500 - Solar Power Systems (2CR)
- RETK 1505 - Small Wind Turbines (2CR)
- RETK 1520 - Wind Power Systems (3CR)
- RETK 2500 - Basic Site Planning (3CR)
- Electives (approved) (5CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Respiratory Therapy

Respiratory therapists are health care specialists who evaluate, treat and care for patients with breathing disorders; and work under the direction of a physician and assist in the diagnosis, treatment and management of patients with pulmonary disorders. Casper College's Associate of Science program in Respiratory Therapy spans 24 months of continuous education, including two summer sessions. Clinical instruction is conducted primarily at the Wyoming Medical Center, with rotations to home health agencies in town. A summer neonatal clinical rotation will occur during the students' second year and will involve traveling out of state to a Level III nursery.

Graduates of this program will be eligible to sit for the certification and registry national exams, earning the credentials of Certified Respiratory Therapist (CRT), and Registered Respiratory Therapist (RRT).

Background check and drug/alcohol policy

Students enrolled in any of the health science programs will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Following graduation, several of the state and/or national licensing or certification (registry) boards, including the Wyoming State Licensing Board in Respiratory Care, may refuse to allow a graduate to sit for the required exam or issue a license or certification to a person who has a prior felony conviction or proven history of drug or alcohol abuse. Applicants to whom this applies should consult the program director for further information.

Clinical accessibility policy

The respiratory therapy program uses a variety of health care agencies in the community for clinical experience for the students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, the agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from the agency, you are automatically ineligible to apply. A response indicating you will be permitted to attend clinicals in the agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program.

Core Performance Standards for Admission and Progression

Critical thinking: Critical thinking ability to exercise non-clinical and clinical judgment in a timely manner.

Interpersonal: Interpersonal abilities sufficient to interact professionally and therapeutically with peers, faculty, staff, administrators, patients/clients, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

Communication: Communication skills sufficient for interaction with peers, faculty, staff, administrators, patients/clients, families, and groups in verbal, nonverbal and written form.

Mobility: Physical abilities sufficient to move from room to room, safely perform treatments/procedures, and assist patients/clients; lift and transfer patients/clients; manipulate equipment; walk and/or stand for extended periods of time.

Motor skills: Gross and fine motor skills sufficient to provide safe and effective patient/client care.

Hearing: Auditory ability sufficient to monitor and safely assess health needs.

Visual: Visual ability with or without corrective lenses sufficient for observation and assessment necessary in safe patient/client care.

Tactile: Tactile ability sufficient for physical assessment of patient/ client care.

Professionalism: The ability to understand and demonstrate sufficient respect for others in non-verbal, verbal, and written communications in the classroom, laboratory, clinical settings, in the Casper College community, and in related public settings. The ability to demonstrate sufficient understanding of the cumulative effect that behavior, appearance, and communication has on the health science professional image.

Program admission requirements

New students are selected once a year, mid-spring semester (non-smokers preferred). Students failing to complete all the requirements by this time will have to wait for program selection the following year. Professional education starts at the beginning of the summer semester. A maximum of 12 students are admitted each year.

Academic requirements

Students must:

1. Contact program faculty member for program application;
2. Be admitted as a classified student to Casper College before the deadline;
3. Be 18 years of age or older;
4. Have completed the following college courses with a minimum GPA of 2.3:
    a. ZOO 2040 - Human Anatomy 3
    ZOO 2041 - Human Anatomy Lab 1
    ZOO 2110 - Human Physiology 4
    b. MATH 1000 - Problem Solving (min.) 3
    c. HLTK 1200 - Medical Terminology 3
    d. ENGL 1010 - English I: Composition 3
5. Participate in an observation period and a personal interview (spring semester);
6. Present evidence of a recent health examination completed by the applicant's physician after interview.

Respiratory Therapy, A.S.

Recommended Curriculum

General education coursework can be completed from within or outside of the major field of study.

General Education (Minimum 32 credits)

1. Exploration and Participation
    - MATH 1000 - Problem Solving (3CR)
    - PHYS 1050 - Concepts of Physics (4CR)
      or
    - CHEM 1005 - Basic Chemistry I (3CR)
      and
    - CHEM 1006 - Basic Chemistry Laboratory I (1CR)
    - ZOO 2040 - Human Anatomy (3CR)
    - ZOO 2041 - Human Anatomy Lab (1CR)
    - ZOO 2110 - Human Physiology (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
    - PSYC 1000 - General Psychology (3CR)
      or
    - SOC 1000 - Introduction to Sociology (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- HLTK 1200 - Medical Terminology (3CR)
- RESP 1500 - Introduction to Respiratory Therapy (3CR)
- RESP 1505 - Cardiopulmonary Anatomy & Physiology (2CR)
- RESP 1507 - Respiratory Therapy I (3CR)
- RESP 1515 - Respiratory Lab I (1CR)
- RESP 1518 - Respiratory Practicum I (3CR)
- RESP 1523 - Respiratory Pharmacology (2CR)
- RESP 1527 - Respiratory Therapy II (3CR)
- RESP 1535 - Respiratory Lab II (1CR)
- RESP 1538 - Respiratory Practicum II (4CR)
- RESP 1545 - Respiratory Pathophysiology (2CR)
- RESP 2500 - Respiratory Specialty Practicum (3CR)
- RESP 2507 - Respiratory Therapy III (3CR)
- RESP 2510 - Respiratory Pediatrics and Neonatology (2CR)
- RESP 2545 - Respiratory Lab III (1CR)
- RESP 2548 - Respiratory Practicum III (4CR)
- RESP 2557 - Respiratory Therapy IV (3CR)
- RESP 2570 - Respiratory Simulations (2CR)
- RESP 2575 - Respiratory Lab IV (1CR)
- RESP 2578 - Respiratory Practicum IV (4CR)

Suggested Course Sequence

Summer I

- RESP 1500 - Introduction to Respiratory Therapy (3CR)
- RESP 1505 - Cardiopulmonary Anatomy & Physiology (2CR)

Fall I

- RESP 1507 - Respiratory Therapy I (3CR)
- RESP 1515 - Respiratory Lab I (1CR)
- RESP 1518 - Respiratory Practicum I (3CR)
- RESP 1523 - Respiratory Pharmacology (2CR)

Spring I

- RESP 1527 - Respiratory Therapy II (3CR)
- RESP 1535 - Respiratory Lab II (1CR)
- RESP 1538 - Respiratory Practicum II (4CR)
- RESP 1545 - Respiratory Pathophysiology (2CR)

Summer II

- RESP 2500 - Respiratory Specialty Practicum (3CR)

Fall II

- RESP 2507 - Respiratory Therapy III (3CR)
- RESP 2510 - Respiratory Pediatrics and Neonatology (2CR)
- RESP 2545 - Respiratory Lab III (1CR)
- RESP 2548 - Respiratory Practicum III (4CR)

Spring II

- RESP 2557 - Respiratory Therapy IV (3CR)
- RESP 2570 - Respiratory Simulations (2CR)
- RESP 2575 - Respiratory Lab IV (1CR)
- RESP 2578 - Respiratory Practicum IV (4CR)

Note:

To continue in the Associate of Science Respiratory Therapy Program, a student must maintain a cumulative GPA of 2.3 or better and earn a "C" or better in all respiratory, allied health, and laboratory science courses.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Robotics Technology

This program provides skills necessary to maintain robotic machines in industrial applications. It incorporates the basics of mechanical structure and motion; electronic control and vision; and programming of a robot. Many manufacturing and dangerous industrial applications are turning to the use of robotic machinery. Graduates of this program will provide a workforce that can maintain, repair and modify robots.

Robotics Technology, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 1000 - Problem Solving (3CR)
     or other MATH at 1000 level
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   - POLS 1000 - American and Wyoming Government (3CR)
     or other US and Wyoming constitutions course
4. General Education Electives (7CR)
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 2510 - CAD-3D Modeling (4CR)
- MCHT 1610 - Machine Tool Technology I (2CR)
- MCHT 1620 - Machine Tool Technology II (2CR)
- ROBO 1650 - Electromechanics (3CR)
- ROBO 2580 - LabView (2CR)
- ROBO 2590 - Motion Control (3CR)
- ROBO 2595 - Robot Systems (4CR)
- ROBO 2616 - Robot Construction (2CR)
- ROBO 2690 - Robot Welding (3CR)
- ROBO 2990 - Special Topics in Automation and Robotics (4CR needed for degree)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)
- Electives (1.5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Automation Certificate

Certificate Requirements (Minimum 30 credits)

- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ELTR 1605 - Process Control (3CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- ENTK 1510 - Drafting I (4CR)
- ENTK 1650 - Mechanical Drafting and Design I (4CR)
- ENTK 2510 - CAD-3D Modeling (4CR)
- ROBO 1650 - Electromechanics (3CR)
- ROBO 2590 - Motion Control (3CR)
- ROBO 2595 - Robot Systems (4CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Robotics Technology Certificate

Certificate Requirements (Minimum 30 credits)

- DESL 1850 - Basic Hydraulics (3CR)
- ELTR 1515 - Basic AC/DC Electronics (3CR)
- ELTR 2815 - Programmable Logic Controllers (4CR)
- MCHT 1610 - Machine Tool Technology I (2CR)
- MCHT 1620 - Machine Tool Technology II (2CR)
- ROBO 1650 - Electromechanics (3CR)
- ROBO 2580 - LabView (2CR)
- ROBO 2590 - Motion Control (3CR)
- ROBO 2595 - Robot Systems (4CR)
- ROBO 2616 - Robot Construction (2CR)
- ROBO 2690 - Robot Welding (3CR)
- WELD 1820 - GMAW and GTAW Welding (2.5CR)

Note:

The normal length of this program is nine months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Sociology

Sociology is the scientific study of group life and the investigation of the social causes and consequences of human behavior. The discipline covers the full range of social behaviors; from interactions between individuals to relationships among entire societies. Sociological training imparts critical and analytical skills of considerable value and prepares students for informed participation in a complex world.

Social Work, A.A.

The practice of social work requires knowledge of human development and behavior; of social, economic, and cultural institutions; and of the interaction of all these factors. Social work practice consists of the application of social work values, principles, and techniques to one or more of the following: helping individuals to obtain services; helping communities or groups to provide or improve social and health services; and participating in legislative processes.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
    - Additional Lab Science (4CR)
    - MATH 1000 - Problem Solving (3CR) or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - ECON 1010 - Principles of Macroeconomics (3CR)
    - PHIL 1000 - Introduction to Philosophy (3CR)
    - Human Behavior (3CR)
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment (3CR)
4. Physical Education (1CR)

Major Requirements

- PSYC 1000 - General Psychology (3CR)
- PSYC 2080 - Biological Psychology (3CR)
- SOC 1000 - Introduction to Sociology (3CR)
- SOC 1100 - Social Problems (3CR)
- SOWK 2000 - Foundations of Social Work (3CR)
- SOWK 2025 - Social Work Cornerstone (2CR)
- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)

At least nine additional credits from the following:

- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- CO/M 1010 - Public Speaking (3CR)
  or
- CO/M 1030 - Interpersonal Communication (3CR)
- PSYC 2210 - Drugs and Behavior (3CR)
- SOC 2325 - Marriage and Family (3CR)
- SOC 2400 - Criminology (3CR)
- SOWK 2005 - Social Work Lab (1CR)
- World language (4-8CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Sociology, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
      or
    - BIOL 1010 - General Biology I (4CR)
    - Lab Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - World language (8CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- SOC 1000 - Introduction to Sociology (3CR)
- SOC 1100 - Social Problems (3CR)
- SOC 2325 - Marriage and Family (3CR)
- SOC 2400 - Criminology (3CR)

At least 20 additional credits from the following:

- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ECON 1010 - Principles of Macroeconomics (3CR)
- HIST 1110 - Western Civilization I (3CR)
- HIST 1120 - Western Civilization II (3CR)
- PHIL 1000 - Introduction to Philosophy (3CR)
- POLS 2460 - Introduction to Political Philosophy (3CR)
- PSYC 1000 - General Psychology (3CR)
- STAT 2070 - Introductory Statistics for Social Science (5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Statistics

The Applied Statistics program provides the student with the methods and procedures to properly plan and obtain data for a research project, and then correctly analyze the collected information in order to answer the question motivating the study.

Applied Statistics, A.S.

The Associate of Science in Applied Statistics will prepare the student for all further research methodology courses in every academic discipline through the Master's level.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- STAT 2050 - Fundamentals of Statistics (5CR)
  or
- STAT 2070 - Introductory Statistics for Social Science (5CR)
- STAT 2150 - Statistical Methods of Data Analysis (5CR)
- STAT 2220 - Experimental Design (5CR) *
- STAT 2120 - Fundamentals of Sampling (5CR) **
  or
- STAT 2240 - Categorical Data Analysis (5CR) ***
- Electives (12CR)

Approved Electives:

- ENGL 2005 - Technical Writing (3CR)
- MATH 2200 - Calculus I (5CR)
  or
- MATH 2350 - Business Calculus I (4CR)
- PSYC 2000 - Research Psychological Methods (4CR)
- STAT 2120 - Fundamentals of Sampling (5CR) **
- STAT 2240 - Categorical Data Analysis (5CR) ***
- STAT 2485 - Statistics Laboratory (2CR)
- Laboratory Science (4CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

* Students desiring upper division credit (UW) must register for STAT 4025 (UW/CC) and STAT 2221. Taken concurrently these courses are equivalent to STAT 2220.

**Students desiring upper division credit (UW) must register for STAT 4155 (UW/CC) and STAT 2121. Taken concurrently these courses are equivalent to STAT 2120.

***Students desiring upper division credit (UW) must register for STAT 4045 (UW/CC) and STAT 2241. Taken concurrently these courses are equivalent to STAT 2240.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Applied Statistics Certificate

The certificate program is designed for persons wishing to obtain statistical training in order to enhance their current career choice. The coursework provides the student working knowledge of all of the most commonly employed statistical designs, data gathering mechanisms, and training in the use of two different statistical computer packages for data analysis. The focus is always on application and results. Completion of the course work is equivalent to a minor concentration in statistics.

Certificate Requirements

General Education

- CO/M 1030 - Interpersonal Communication (3CR)
- ENGL 1010 - English I: Composition (3CR)

Major Requirements

- STAT 2050 - Fundamentals of Statistics (5CR)
- STAT 2120 - Fundamentals of Sampling (5CR) **
- STAT 2150 - Statistical Methods of Data Analysis (5CR)
- STAT 2220 - Experimental Design (5CR) *
- STAT 2240 - Categorical Data Analysis (5CR) ***

Note:

The normal length of this program is nine months.

* Students desiring upper division credit (UW) must register for STAT 4025 (UW/CC) and STAT 2221. Taken concurrently these courses are equivalent to STAT 2220.

**Students desiring upper division credit (UW) must register for STAT 4155 (UW/CC) and STAT 2121. Taken concurrently these courses are equivalent to STAT 2120.

***Students desiring upper division credit (UW) must register for STAT 4045 (UW/CC) and STAT 2241. Taken concurrently these courses are equivalent to STAT 2240.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements".

Technical Studies

Technical Studies, A.A.S.

This degree is designed for those students who are planning to transfer to the University of Wyoming and enroll in the bachelor of applied science degree program. It is open to certificate holders who are interested in earning an associate of applied science degree either via traditional classroom instruction or via distance education.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
   - ENGL 1010 - English I: Composition (3CR)
   - ENGL 1020 - English II: Composition (3CR)

     or
   - ENGL 2005 - Technical Writing (3CR)
3. Relationship with the World
   - POLS 1000 - American and Wyoming Government (3CR)
   - Human Behavior (3CR)

     or
   - Cultural Environment (3CR)
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements (Minimum 47 Credits)

- Core Technical Studies Coursework - Certification Area (30CR)

  Student must meet all qualifications to earn at least a certificate within one of the designated technical studies areas.
- Additional Courses within certification area (10CR)

  *There is a 40-hour minimum for transfer to the University of Wyoming.
- Additional Technical Studies Electives (7CR) - Select in consultation with advisor

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Theatre and Dance

The mission of the department of theatre and dance is to provide the first two years of baccalaureate coursework and production opportunities for the theatre and/or dance major; to provide cultural and artistic resources and opportunities to the general student body of Casper College; and to stimulate and be prominent in the intellectual and cultural life of the Casper community.

The curriculum is designed to provide a full range of classroom study and practical experience for the theatre and/or dance major, while allowing ample opportunity for participation in all classes and productions by general education students. Consistent with the ideal of a liberal arts education, the curriculum is designed to expose students to a wide variety of experiences within the various disciplines of theatre and dance.

Dance Performance, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BIOL 1000 - Introduction to Biology I (4CR)
    - ZOO 2040 - Human Anatomy (3CR)
    - ZOO 2041 - Human Anatomy Lab (1CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (5CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- THEA 1010 - Introduction to Theatre for Theatre and Dance Majors (3CR)
- DANC 1015 - Introduction to Dance (2CR)
- DANC 1210 - Dance Ensemble I (1CR)(Max 2CR)
- DANC 1300 - Dance Improvisation I (1CR)
- DANC 1320 - Dance Improvisation II (1CR)
- DANC 1410 - Ballet I (1CR)
- DANC 1420 - Ballet II (2CR) (Max 4CR)
- DANC 1430 - Modern Dance I (1CR)
- DANC 1440 - Modern Dance II (2CR)
- DANC 1450 - Beginning Tap Dance (1CR)
- DANC 1480 - Jazz I (1CR)
- DANC 1500 - Dance Performance (2-4CR)
- DANC 2200 - Backgrounds of Dance (3CR)
- DANC 2210 - Dance Ensemble II (1CR) (Max. 2)
- DANC 2212 - Beginning Composition (2CR)
- DANC 2215 - Intermediate Dance Composition (3CR)
- DANC 2410 - Ballet II/I (2CR)
- DANC 2420 - Ballet II/II (2CR)
- DANC 2430 - Modern Dance II/I (2CR)
- DANC 2450 - Tap II (1CR)
- DANC 2480 - Jazz II (1CR)

Major electives must come from the following list:

- ART 2010 - Art History I (3CR)
- MUSC 1046 - Studio: Musical Theatre Voice (1CR) (Max. 4)
- THEA 1100 - Acting I (3CR)
- THEA 1115 - Twentieth Century Avant Garde Theatre (3CR)
- THEA 1125 - Musical Theatre Performance Techniques I (3CR)
- DANC 1425 - Ballet Studies (1CR)
- THEA 2145 - Introduction to Theatrical Costuming (3CR)
- THEA 2155 - Movement for Acting (3CR)
- THEA 2160 - Stage Make-up (3CR)
- THEA 2230 - Stage Lighting (3CR)
- THEA 2370 - Summer Theatre

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Musical Theatre Performance, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Lab Science (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Cultural Environment (3CR)
    - Human Behavior (3CR)
    - POLS 1000 - American and Wyoming Government (3CR)
4. General Education Electives (9CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- MUSC 1030 - Written Theory I (3CR)
- MUSC 1035 - Aural Theory I (1CR)
- MUSC 1040 - Written Theory II (3CR)
- MUSC 1045 - Aural Theory II (1CR)
- MUSC 1046 - Studio: Musical Theatre Voice (1CR) (Max. 4) (4 semesters needed for degree)

- MUSC 1300 - Class Piano I (1CR)
- MUSC 1301 - Class Piano II (1CR)
- MUSC 14XX (Vocal Ensemble TBA) (1CR)
- MUSC 14XX (Vocal Ensemble TBA) (1CR)
- THEA 1010 - Introduction to Theatre for Theatre and Dance Majors (3CR)
- THEA 1100 - Acting I (3CR)
- THEA 1125 - Musical Theatre Performance Techniques I (3CR)
- DANC 1410 - Ballet I (1CR)
- DANC 1450 - Beginning Tap Dance (1CR)
- DANC 1480 - Jazz I (1CR)
- THEA 2050 - Theatre Practice (2CR needed for degree)
- THEA 2100 - Acting II (3CR)
- THEA 2220 - Stagecraft (4CR)
- THEA 2350 - Musical Theatre History and Analysis (4CR)

Additional Recommended Courses:

- MUSC 14XX (Vocal Ensemble TBA) (1-2CR)
- THEA 2010 - Theatrical Backgrounds Drama I (3CR)
- THEA 2020 - Theatrical Backgrounds Drama II (3CR)
- THEA 2155 - Movement for Acting (3CR)
- THEA 2160 - Stage Make-up (3CR)
- THEA 2310 - Auditioning (3CR)
- THEA 2230 - Stage Lighting (3CR)
- THEA 2370 - Summer Theatre (1-3CR)
- THEA 2790 - Stage Management (2CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Theatre Performance, A.A.

This degree is recommended to any student who wishes to pursue performance in theatre, film, or television. It also provides an appropriate foundation for directing.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR) - 1000 level or higher
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (9CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- THEA 1010 - Introduction to Theatre for Theatre and Dance Majors (3CR)
- THEA 1100 - Acting I (3CR)
- THEA 2010 - Theatrical Backgrounds Drama I (3CR)
- THEA 2020 - Theatrical Backgrounds Drama II (3CR)
- THEA 2050 - Theatre Practice (2CR needed for degree)
- THEA 2100 - Acting II (3CR)
- THEA 2140 - Voice for Acting (3CR)
- THEA 2160 - Stage Make-up (3CR)
- THEA 2220 - Stagecraft (4CR)
- THEA 2310 - Auditioning (3CR)
- Theatre dance courses (1CR)
- Approved electives (3CR)

Choose from the following electives:

- MUSC 1270 - Studio: Voice I (1-2CR) (Max. 8)
- MUSC 1272 - Class Voice (1CR)
- THEA 2790 - Stage Management (2CR)
- Dance Courses
- Theatre Courses

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Theatre Technology, A.A.

This degree is recommended to any student who wishes to pursue the technical areas of theatre, including technical direction, stage management, and scenic/lighting/costume/makeup design.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)

3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (9CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- THEA 1010 - Introduction to Theatre for Theatre and Dance Majors (3CR)
- THEA 1100 - Acting I (3CR)
- THEA 2010 - Theatrical Backgrounds Drama I (3CR)
- THEA 2020 - Theatrical Backgrounds Drama II (3CR)
- THEA 2050 - Theatre Practice (2CR needed for degree)
- THEA 2160 - Stage Make-up (3CR)
- THEA 2220 - Stagecraft (4CR)
- THEA 2311 - Portfolio Preparation (1CR)
- THEA 2145 - Introduction to Theatrical Costuming (3CR)
  or
- THEA 2230 - Stage Lighting (3CR)
  or
- THEA 2235 - Introduction to Scenic Design (3CR)
  or
- MUSC 2410 - Sound Reinforcement I (2CR)
- Electives (6CR)

Choose from the following electives:

- ART 1006 - Drawing I (3CR)
- ART 1110 - Foundation: Two-Dimensional (3CR)
- ART 1120 - Foundation: Three-Dimensional (3CR)
- ART 1130 - Foundation: Color Theory (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ENTK 2500 - Computer-Aided Drafting I (AutoCAD) (2CR)
- ENTK 2505 - Computer-Aided Drafting II (AutoCAD) (2CR)
- MUSC 2420 - Sound Reinforcement II (2CR)
- THEA 1220 - CAD for Theatre (3CR)
- THEA 2490 - Topics: (Subtitle)
- THEA 2790 - Stage Management (2CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Visual Arts

Visual Art Program Mission Statement

The Visual Arts Department will provide a quality visual arts education based on a foundation of both traditional and contemporary practices and ideas. Consistent with the mission, philosophy, and institutional purposes of Casper College, this education serves as the foundation for further study and meaningful participation in contemporary society.

Art, A.A.

This course of study is intended for the liberal arts transfer student who will enter a Bachelor of Arts program.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (9CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 1006 - Drawing I (3CR)
- ART 1110 - Foundation: Two-Dimensional (3CR)
- ART 1120 - Foundation: Three-Dimensional (3CR)
- ART 1130 - Foundation: Color Theory (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ART 2035 - Art History III (3CR)
- ART 2210 - Painting I (3CR)
- ART 2310 - Sculpture I (3CR)
- Electives (5CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Museum/Gallery Studies, A.A.

This program is designed for students interested in pursuing a museum or gallery career. The degree is especially appropriate for students interested in working with art, history, or anthropology, and allows focus in other areas such as geology or paleontology. The courses provide an understanding of basic operations of a museum or gallery, such as design, education, collections management, marketing, and an overview of the history and changing role of these facilities in society.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - Mathematics (3CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (9CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ANTH 1100 - Introduction to Physical Anthropology (3CR)
  or
- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ANTH 1300 - Introduction to Archeology (3CR)
- ART 1300 - Museum Studies (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ART 2023 - Collections Management (3CR)
- ART 2035 - Art History III (3CR)
- ART 2990 - Museum Training Internship (6CR)
- CO/M 1010 - Public Speaking (3CR)
- Electives (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Art Education, A.F.A.

This course of study is intended for the art major transfer student who will enter a bachelor of fine arts program.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (3-4 CR)
    - Science
    - Mathematics
      (Both Recommended)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - PSYC 1000 - General Psychology (3CR)
    - Cultural Environment (3CR)
4. General Education Electives (1CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 1006 - Drawing I (3CR)
- ART 1110 - Foundation: Two-Dimensional (3CR)
- ART 1120 - Foundation: Three-Dimensional (3CR)
- ART 1130 - Foundation: Color Theory (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ART 2035 - Art History III (3CR)
- ART 2073 - Introduction to Art Education (3CR)
- ART 2090 - Printmaking I: Relief (3CR)
  or
- ART 2095 - Printmaking II: Intaglio (3CR)
- ART 2122 - Digital Design I (3CR)
- ART 2141 - Professional Practice in the Arts I (1CR)
- ART 2210 - Painting I (3CR)
- ART 2310 - Sculpture I (3CR)
- ART 2410 - Ceramics I (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- ITEC 2360 - Teaching with Technology (3CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Fine Art, A.F.A.

This course of study is intended for the art major transfer student who will enter a bachelor of fine arts program.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (3-4 CR)
    - Science
    - Mathematics- 1000 level or higher
      (Both Recommended)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World (3CR)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR)
    - Cultural Environment
4. General Education Electives (3CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 1006 - Drawing I (3CR)
- ART 1110 - Foundation: Two-Dimensional (3CR)
- ART 1120 - Foundation: Three-Dimensional (3CR)
- ART 1130 - Foundation: Color Theory (3CR)
- ART 1150 - Photography I (3CR)
- ART 2006 - Drawing II (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ART 2035 - Art History III (3CR)
- ART 2050 - Life Drawing I (3CR)
- ART 2090 - Printmaking I: Relief (3CR)
  or
- ART 2095 - Printmaking II: Intaglio (3CR)
- ART 2122 - Digital Design I (3CR)
- ART 2141 - Professional Practice in the Arts I (1CR)
- ART 2210 - Painting I (3CR)
- ART 2310 - Sculpture I (3CR)
- ART 2410 - Ceramics I (3CR)
- Electives (1CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Graphic Design, A.F.A.

This course of study is intended for the art major transfer student who will enter a bachelor of fine arts program.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (3-4 CR)
    - Lab Science
      or
    - MATH 1000 - Problem Solving (3CR)
      (Both Recommended)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World (3CR)
    - POLS 1000 - American and Wyoming Government (3CR)
4. General Education Electives (3CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 1006 - Drawing I (3CR)
- ART 1015 - History of Graphic Design (3CR)
- ART 1110 - Foundation: Two-Dimensional (3CR)
- ART 1120 - Foundation: Three-Dimensional (3CR)
- ART 1130 - Foundation: Color Theory (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ART 2035 - Art History III (3CR)
- ART 2075 - Illustration I (3CR)
- ART 2110 - Typography (3CR)
- ART 2112 - Graphic Design I (3CR)
- ART 2113 - Introduction to Time Based Media (3CR)
  or
- INET 2665 - New Media Communication (3CR)
- ART 2122 - Digital Design I (3CR)
- ART 2130 - Graphic Design II (3CR)
- ART 2141 - Professional Practice in the Arts I (1CR)
- ART 2245 - Digital Photo for Art Majors (3CR)
- INET 1890 - Introduction to Web Design (3CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Photography, A.F.A.

This course of study is intended for the art major transfer student who will enter a bachelor of fine arts program.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (3-4 CR)
    - Science
    - Mathematics

    (Both Recommended)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World (3CR)
    - Human Behavior
    - U.S. and Wyoming Constitutions (3CR)
    - Cultural Environment
4. General Education Electives (3CR)
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ART 1006 - Drawing I (3CR)
- ART 1110 - Foundation: Two-Dimensional (3CR)
- ART 1120 - Foundation: Three-Dimensional (3CR)
- ART 1130 - Foundation: Color Theory (3CR)
- ART 1140 - History of Photography (3CR)
- ART 1150 - Photography I (3CR)
- ART 1160 - Photography II (3CR)
- ART 2010 - Art History I (3CR)
- ART 2020 - Art History II (3CR)
- ART 2035 - Art History III (3CR)
- ART 2090 - Printmaking I: Relief (3CR)

  or
- ART 2095 - Printmaking II: Intaglio (3CR)
- ART 2122 - Digital Design I (3CR)
- ART 2141 - Professional Practice in the Arts I (1CR)
- ART 2150 - Color Photography I (3CR)
- ART 2180 - Alternative Processes (3CR)
- ART 2245 - Digital Photo for Art Majors (3CR)
- Electives (3CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see “Academic Policies” and “Degree Requirements.”

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Web Technology and E-Commerce

Web Design, A.A.S.

Today’s web designers must be familiar with a variety of Internet technologies. This program teaches the web design, e-commerce, scripting, and authoring skills necessary to advance in the field of web design. General education classes and other business classes are included in the program to provide students with general business, communication, and problem solving skills.

This is a nontransfer degree program.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
2. Communication
    - BADM 1020 - Business Communications (3CR)
    - BOTK 1540 - Business English (3CR)
3. Relationship with the World

    (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
- ACCT 2010 - Principles of Accounting I (4CR)
- ART 2122 - Digital Design I (3CR)
- ART 2105 - Digital Design II (3CR)
- ART 2245 - Digital Photo for Art Majors (3CR)
- BADM 2010 - Business Law I (3CR)
- BADM 2040 - E-commerce (3CR)
- CMAP 1815 - Database Applications (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- INET 1590 - Web Page Design (3CR)
- INET 1610 - Dynamic Web Graphics (3CR)
- INET 1885 - Adobe Photoshop for the Web (3CR)
- INET 1890 - Introduction to Web Design (3CR)
- INET 1895 - Introduction to Internet Marketing (3CR)
- INET 2665 - New Media Communication (3CR)
- INET 2670 - Internet Ethics and Cyber Law (3CR)
- INET 2675 - Web Design Business Fundamentals (3CR)
- INET 2895 - Web Design Capstone/Seminar (3CR)
- MGT 2100 - Principles of Management (3CR)

Note:

The normal length of this program is two academic years at 16-18 credit hours per semester.

All classes in the major must be passed with a “C” or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Web Development, A.A.S.

This program focuses on the technologies used to create and operate an effective web site or e-business. It is very technology based with advanced coursework in computer networking and programming, as well as web development and design. As such, this program focuses much more on the back office technologies involved with web development including advanced web authoring, HTML scripting, Visual Basic programming, and database design.

This is a nontransfer degree program.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - BADM 1005 - Business Mathematics I (3CR)
      or
    - MATH 1000 - Problem Solving (3CR)
2. Communication
    - BADM 1020 - Business Communications (3CR)
    - BOTK 1540 - Business English (3CR)
3. Relationship with the World
   (One course minimum)
    - Human Behavior
    - U.S. and Wyoming constitutions (3CR) required
    - Cultural Environment
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- ACCT 1905 - Practical Accounting I (4CR)
  or
- ACCT 2010 - Principles of Accounting I (4CR)
- BADM 2010 - Business Law I (3CR)
- COSC 1010 - Introduction to Computer Science (4CR)
- COSC 2240 - Systems Analysis and Design (3CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- INET 1590 - Web Page Design (3CR)
- MGT 2100 - Principles of Management (3CR)
  or
- MKT 2100 - Principles of Marketing (3CR)

Select at least 24 credits from the following electives

- CMAP 1815 - Database Applications (3CR)
- COSC 2210 - Business Data Processing I (3CR)
- COSC 2220 - Business Data Processing II (3CR)
- COSC 2406 - Programming in Java (4CR)
- INET 1650 - Introduction to HTML and DHTML (2CR)
- INET 2500 - Introduction to ASP.NET (3CR)
- Electives approved by department head (2-6CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

All classes in the major must be passed with a "C" or better.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Web Design Certificate

Today's Web designers must be familiar with a variety of Internet technologies. This program teaches the Web design, e-commerce, scripting, and authoring skills necessary to advance in the field of Web design. General education classes and other business classes are included in the program to provide students with general business, communication, and problem solving skills.

Certificate Requirements

- ART 2122 - Digital Design I (3CR)
- ART 2105 - Digital Design II (3CR)
- ART 2245 - Digital Photo for Art Majors (3CR)
- BADM 1020 - Business Communications (3CR)
- CMAP 1815 - Database Applications (3CR)
- COSC 1010 - Introduction to Computer Science (4CR)
- IMGT 2400 - Introduction to Information Management (3CR)
- INET 1590 - Web Page Design (3CR)
- INET 1610 - Dynamic Web Graphics (3CR)
- INET 1650 - Introduction to HTML and DHTML (2CR)
- INET 2500 - Introduction to ASP.NET (3CR)

Note:

The normal length of this program is nine months.

All classes in the major requirements must be passed with a "C" or better.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Welding Technology

Through the rapidly changing technology of metals joining processes, alloying materials, and a much broader spectrum of applications, we are entering a new dimension in fabrication and manufacturing. This has insured a continuing and increasing demand for well qualified welding technicians.

With persons selecting welding as a hobby, or continuing their education for a four-year degree, every effort is made to assist students in selecting a program which will fit their needs.

The major objectives of the welding technology program at Casper College are:

1. To provide comprehensive training in welding process and theory, blueprint understanding, welding symbol identification, along with codes and standards necessary for obtaining employment upon graduation; and
2. To structure courses which will provide a thorough background necessary for those students continuing their education in related fields.

Note: To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

Welding, A.A.S.

Recommended Curriculum

General Education (Minimum 17 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
   (One course minimum)
   - Science
     or
   - Mathematics
2. Communication
   (One course minimum)
   - Written or Spoken Communication
3. Relationship with the World
   (One course minimum)
   - Human Behavior
   - U.S. and Wyoming constitutions (3CR) required
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- WELD 1555 - Welding Technology Safety (1.5CR)
- WELD 1650 - Print Reading (2CR)
- WELD 1710 - Oxyacetylene Welding and Cutting (1.5CR)
- WELD 1755 - Shielded Metal Arc Welding (7CR)
- WELD 1770 - Gas Metal Arc Welding (GMAW) (4.5CR)
- WELD 1780 - Gas Tungsten Arc Welding (GTAW) (4.5CR)
- WELD 1860 - Welding Fabrication (4.5CR)
- WELD 1910 - Specialized Welding and Joining (3CR)
- WELD 2500 - Structural Welding (2.5CR)
- WELD 2510 - Pipe Welding I (3.5CR)
- WELD 2520 - Pipe Welding II (5CR)
- WELD 2670 - Welding Inspection (2.5CR)
- WELD 2680 - Welding Metallurgy (3CR)
- Approved Electives (4CR) *

Note:

*Approved electives from the departments of auto body repair technology, automotive technology, construction technology, robotics, or machine tool technology.

The normal length of this program is two academic years at 16-18 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Welding Certificate

Certificate Requirements

- WELD 1555 - Welding Technology Safety (1.5CR)
- WELD 1650 - Print Reading (2CR)
- WELD 1710 - Oxyacetylene Welding and Cutting (1.5CR)
- WELD 1755 - Shielded Metal Arc Welding (7CR)
- WELD 1770 - Gas Metal Arc Welding (GMAW) (4.5CR)
- WELD 1780 - Gas Tungsten Arc Welding (GTAW) (4.5CR)
- WELD 1860 - Welding Fabrication (4.5CR)
- WELD 1910 - Specialized Welding and Joining (3CR)
- WELD 2510 - Pipe Welding I (3.5CR)
- WELD 2520 - Pipe Welding II (5CR)
- WELD 2670 - Welding Inspection (2.5CR)
- WELD 2680 - Welding Metallurgy (3CR)
- Approved Electives (2CR) *

Note:

*Approved electives from the departments of: auto body repair technology, automotive technology, construction technology, robotics, or machine tool technology.

The normal length of this program is 14 months.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Women's and Gender Studies

The women's and gender studies program is an interdisciplinary community of faculty committed to a transformative analysis of gender as it intersects class, race, ethnicity, sexuality, age, nationality, and transnationality. The program provides an academic forum for the study of these intersections within historical, economic, political, social, and cultural contexts.

The women's and gender studies program seeks to balance theory and activism, the personal and the political, the local and the global, and the classroom and the community. The program specifically emphasizes:

1. Providing students with the theoretical and methodological tools to analyze gender within their chosen disciplines.
2. Providing a learner-centered education in which critical thinking, student involvement, and personal insight are encouraged and made relevant to the learning process.
3. Empowering students to critically and creatively apply an analysis of gender to their personal, family, educational, professional, and civic roles.
4. Providing innovative and collaborative study, teaching, and service that promote new knowledge and socially responsible interactions with the world.

The women's and gender studies program is inclusive and welcomes students from all academic disciplines.

We invite you to consider a major or minor in gender studies.

The career and/or academic opportunities for gender studies graduates are rich and diverse. Graduates may work in the following fields:

- Advocacy of all kinds
- Communication
- Employment and training
- Support service for survivors of violence and abuse
- Politics
- Social Research in a wide variety of fields
- Reproductive rights and health
- Law enforcement and policy
- Administration or management

Graduates may also choose to complete their bachelor's degree gender studies and continue on to graduate school. Graduates may attain graduate degrees in academic fields such as anthropology, art, communication, economics, education, government, history, humanities, international relations, law, literature, philosophy, psychology, and sociology.

Women's and Gender Studies, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (8CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - Human Behavior (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - World language (8CR)
4. General Education Electives
    - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- CO/M 2135 - Gender, Communication and Culture (3CR)
- ENGL 2270 - Modern Women Writers (3CR)
- GNDR 1000 - Introduction to Gender Studies (3CR)
- GNDR 2000 - Gender Studies Service Learning (1-3CR)
- PSYC 2060 - Psychology of Gender (3CR)
- WMST 1080 - Introduction to Women's Studies (3CR)
- WMST 2040 - History of Women in America (3CR)
- Electives (11-13CR)

Note:

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Women's and Gender Studies Certificate

Certificate Requirements

- CO/M 2135 - Gender, Communication and Culture (3CR)
- GNDR 1000 - Introduction to Gender Studies (3CR)
- GNDR 2000 - Gender Studies Service Learning (1-3CR)
- PSYC 2490 - Topics: (Subtitle) (2-3CR)
- WMST 1080 - Introduction to Women's Studies (3CR)
- WMST 2040 - History of Women in America (3CR)

Note:

The normal length of this program is 16 weeks.

Graduation Requirements

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

World Languages

Opportunities for traveling or working abroad are increasing annually. Expanding world trade will create more and more demands for bilingual people, and America's role in international affairs requires more than ever before that we understand the cultures of all world peoples. Consequently, the study of world languages can no longer be a luxury; it has become a necessity.

Students are placed in world languages classes by the world languages instructors who evaluate their previous language experience. Students wishing to take placement and credit examinations may arrange to do so with the world languages faculty or testing center.

World languages satisfy a requirement for the bachelor of arts degree and the fine arts/humanistic studies requirement for the Bachelor of Science degree in many programs.

Credit may not ordinarily be earned in one's native language (mother tongue) in first year courses.

Excellent career opportunities await the student who combines world language studies with business, technology, science, vocational programs, etc. For specific information, consult the world language faculty.

World Languages, A.A.

Recommended Curriculum

General Education (Minimum 32 credits)

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
    - Laboratory Science (4CR)
    - MATH 1000 - Problem Solving (3CR)
      or
    - MATH 1400 - Pre-Calculus Algebra (4CR)
2. Communication
    - CO/M 1030 - Interpersonal Communication (3CR)
    - ENGL 1010 - English I: Composition (3CR)
    - ENGL 1020 - English II: Composition (3CR)
3. Relationship with the World
    - SOC 1000 - Introduction to Sociology (3CR)
      or
    - PSYC 1000 - General Psychology (3CR)
    - U.S. and Wyoming constitutions (3CR)
    - Fine arts (3CR)
    - Humanities, literature or philosophy (3CR)
4. General Education electives
   Must be chosen from areas 1, 2, or 3 above.
5. Physical Education (1CR)

Major Requirements

- World Language (12-16CR)*
- Electives (16-20CR)

Choose from the following:

- ANTH 1200 - Introduction to Cultural Anthropology (3CR)
- ANTH 2000 - Introduction to Linguistic Anthropology (3CR)
- CO/M 1040 - Introduction to Human Communication (3CR)
- EDFD 2020 - Foundations of Education (3CR)
- ENGL Literature Course
- GEOG 1000 - World Regional Geography (3CR)
- GEOG 1110 - Management and Implementation of GIS (4CR)
- HIST 1110 - Western Civilization I (3CR)
- HIST 1120 - Western Civilization II (3CR)
- HUMN 2140 - World Literature I (3CR)
- HUMN 2150 - World Literature II (3CR)
- HUMN 2230 - Humanities in Europe: Study of the Origins of Western Culture (3CR)
- HUMN 2250 - Ideas in Ancient Literature, Greek, Roman, Hebrew
- HUMN 2251 - Ideas in Medieval Literature
- HUMN 2252 - Ideas in Renaissance Literature
- HUMN 2253 - Ideas in Modern Literature
- PHIL 1000 - Introduction to Philosophy (3CR)
- POLS 1020 - Issues in Foreign Relations I (3CR)
- POLS 1030 - Issues in Foreign Relations II (3CR)
- POLS 1200 - Non-Western Political Cultures (3CR)
- POLS 2200 - Politics of Europe (3CR)
- POLS 2310 - Introduction to International Relations (3CR)

Note:

*If a student majors in one of the three core world languages (French, German, Spanish), the student must complete a minimum of 12 credits in the 1010, 1020, and 2030 courses of that language. If a student does not major in a core language, the student must complete a minimum of 8 credits (1010 and 1020 courses) in any two languages for a total of 16 credits.

The normal length of this program is two academic years at 15-17 credit hours per semester.

Graduation Requirements:

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Only courses numbered 1000 or above can be used toward the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees.

Course Descriptions

Course Abbreviations

AAST	African American Studies
ACCT	Accounting
ADDN	Addictionology
AGEC	Agriculture Economics
AGRI	Agriculture
AGTK	Agriculture Technology
ANSC	Animal Science
ANTH	Anthropology
APRO	Activities Professionals
ART	Art
ASTR	Astronomy
ATEC	Assistive Technology
ATSC	Atmospheric Science
AUBR	Auto Body Repair
AUTO	Automotive
AVTN	Aviation
BADM	Business Administration
BANK	Banking
BIOL	Biology
BOTK	Business Office Technology
BUSN	Business
CE	Civil Engineering
CHEM	Chemistry
CMAP	Computer Applications
CNSL	Counseling
CNTK	Construction Technology
CO/M	Communication and Mass Media
COSC	Computer Science
COTA	Certified Occupational Therapy Assistant
CRMJ	Criminal Justice
CROP	Crop Science
CSEC	Computer Security
CSCO	Cisco
CULA	Culinary Arts
DESL	Diesel Technology
ECON	Economics
EDCI	Curriculum and Instruction
EDEC	Early Childhood
EDEL	Education/Elementary
EDEX	Exceptional Children
EDFD	Education Foundations
EDUC	Education
ELAP	Electrical Apprenticeship
ELTR	Electronics
EMGT	Emergency Management
EMT	Emergency Medical Technician
ENGL	English
ENTK	Engineering Technology
ENTO	Insect Biology
ENVT	Environmental Science
ES	Engineering Science
ESL	English as a Second Language
EXTR	Extractive Resources
FCSC	Family and Consumer Science
FDSC	Food Science
FIN	Finance
FIRE	Fire Technology
FREN	French
GEOG	Geography and Recreation
GEOL	Geology
GERM	German
GNDR	Gender
HIST	History
HLED	Physical and Health Education
HLTK	Health Technology
HMDV	Human Development
HOSP	Hospitality
HUMN	Humanities
IMGT	Information Management
INET	Internet
ITEC	Instructional Technology
JAPN	Japanese
KIN	Kinesiology
LATN	Latin
LEGL	Legal Assistance
LIBS	Library Science
MATH	Mathematics
MCHT	Machine Tool Technology
MGT	Management
MKT	Marketing
MLTK	Medical Laboratory Technician
MOLB	Molecular Biology
MUSC	Music
NRST	Nursing Studies
OCTH	Occupational Therapy
PEAC	Physical Education Activities
PEAT	Physical Education Varsity Sports
PEPR	Professional Physical Education
PHIL	Philosophy
PHLB	Phlebotomy
PHTK	Pharmacy Technology
PHYS	Physics
POLS	Political Science
POWR	Power Plant Maintenance
PSYC	Psychology
PTEP	Paramedic Technology
RDTK	Radiologic Technology
RELI	Religion
RESP	Respiratory Therapy
RETK	Renewable Energy Technology
REWM	Range Management
ROBO	Robotics
RUSS	Russian
SOC	Sociology
SOIL	Soil Science
SOWK	Social Work
SPAN	Spanish
SPPA	Speech, Language, Pathology
STAT	Statistics
THEA	Theatre and Dance
WELD	Welding Technology
WMST	Women's Studies
ZOO	Zoology

Apprenticeships:

ELAP 1515 through ELAP 1605 Independent Electrical

Apprenticeship Training I — X (5CR) per course.

Job related instruction for nonunion electrical apprentices.

AAST 1000 - Introduction to African American Studies
(3L)(3CR) [E] This course provides a historical survey of the people of Black African heritage prior to their arrival in America and thereafter.

ACCT 1000 - Introduction to Accounting
(3L)(3CR) This course focuses on the methods, processes, and strategies necessary to analyze and understand the data used in accounting. The student will practice skills of identifying, classifying, reporting, and interpreting accounting information. Students will work problems dealing with preparation of financial statements, adjustment of information at end-of-period accounting cycles, and interpretation of the results thereof.

ACCT 1450 - CB Exam Review
(3L)(3CR) The Certified Bookkeeper Exam Review is a course that will prepare students for the Certified Bookkeeper Exam that is administered by the American Institute of Professional Bookkeepers. Topics covered include adjustments, error correction, payroll, depreciation, inventory and internal controls.

ACCT 1905 - Practical Accounting I
(3L, 2LB)(4CR) The fundamentals of accounting and recordkeeping as they apply to business operations including the basic use of QuickBooks software for accounting, the computation of payroll and taxes, and the preparation of financial statements are included in this course. This course is designed to help students understand the basic principles of bookkeeping and accounting. Text materials and problems on the computer should help students gain knowledge needed to keep personal records and to obtain initial employment as a bookkeeper in a small business or as a records clerk in a large business. Basic bookkeeping and accounting principles in this course also provide the foundation needed for advanced work. No credit will be given for ACCT 1905 if the student has previously earned credit in ACCT 2010 or its equivalent.

ACCT 2010 - Principles of Accounting I
(4L)(4CR) [E] Examines the fundamental concepts and procedures used in the preparation of the basic financial statements of business entities. Covers generally accepted accounting principles, accounting terminology, the usefulness of financial statements, and the role that judgment plays in accounting.
Prerequisites: A "C" or better in ACCT 1000, ACCT 1905 or MATH 0930, or an ACT Math Score of 23 or better, or an appropriate COMPASS exam score within the past year.

ACCT 2020 - Principles of Accounting II
(4L)(4CR) [E] A continuation of ACCT 2010. Accounting for corporations and partnerships. Examines reports and information needed by the management of a business to make good decisions. The role accounting information plays in aiding the functions of planning, budgeting, and control is examined.
Prerequisites: ACCT 2010.

ACCT 2110 - QuickBooks
(1L, 2LB)(2CR) The most current version of the Intuit Software: QuickBooks will be utilized to apply accounting fundamentals in an accounting software computer environment. Using the software to account for banking, vendor, customer, and employee activities will be introduced as well as customizing and setting up the software for a new or current business. Creating financial reports will also be an integral aspect of the course.
Prerequisites: ACCT 1905 or ACCT 1000, or ACCT 2010 and COSC 1200, or permission of the instructor.

ACCT 2120 - Computer Spreadsheet Accounting
(2L, 2LB)(3CR) This course prepares students to interact with computerized accounting systems. Major concepts of computerized accounting will be introduced including trial balance maintenance and financial statement generation. A commonly used spreadsheet program will be used throughout the course.
Prerequisites: ACCT 2010.

ACCT 2410 - Intermediate Accounting I
(4L)(4CR) [E] A study of accounting principles and procedures with emphasis on analysis, interpretation, and controls. Financial statements are studied in detail from both the theoretical and practical standpoints, with a critical examination and evaluation of areas covered. (Fall semester.)
Prerequisites: ACCT 2020.

ACCT 2420 - Intermediate Accounting II
(4L)(4CR) [E] A continuation of ACCT 2410. (Spring semester.)
Prerequisites: ACCT 2410.

ACCT 2430 - Income Tax
(3L)(3CR) This course is an introduction to federal taxation of the income of individuals. Examples and problems illustrate tax laws. Computer applications may be used to illustrate specific examples.

ACCT 2460 - Payroll Accounting
(3L)(3CR) This course examines the fundamental concepts and procedures used in payroll accounting. Usually, payroll is the largest expense of most businesses and a continuing management challenge in terms of cost control. This course will explore payroll laws and recordkeeping requirements, running a payroll, payroll reporting and accounting procedures, and payroll systems and policies.
Prerequisites: ACCT 2010, or permission of the instructor.

ACCT 2480 - Cooperative Education
(1-3CR) (Max. 6) The student is afforded the opportunity to gain practical, on-the-job experience under the supervision of the accounting program coordinator and employer. A minimum of 80 hours of on the-job training represents one semester hour. The student must maintain 12 credit hours with a 2.0 GPA during the semester.
Prerequisites: Full-time accounting major and permission of the program coordinator.

ACCT 2490 - Topics: (Subtitle)
(1-4CR) Uncatalogued accounting courses for persons who wish advance preparation in a specific discipline.
Prerequisites: Permission of the instructor.

ADDN 1020 - Introduction to Substance Use Disorders Counseling I
(3L)(3CR) The history of addictive disorders along with the contexts in which prevention and treatment evolved, provide a foundation for understanding the present conditions in the profession, and the framework for understanding future evolution. This includes the knowledge of how the profession developed from various non-professional experiences, how other disciplines succeeded or failed in dealing with addictive disorder, as well as the social and political forces that impacted upon service delivery.

ADDN 1050 - Crime and Drugs
(3L)(3CR) This course provides students with an opportunity to explore human behavior from an addiction and criminal justice perspective. This course will provide an in-depth analysis of evidence-based crime policy with coverage of drug use, crime victimization, and incarceration trends.

ADDN 1490 - Topics: (Subtitle)
(1-3L) (1-3CR) Specialized course work, seminars, and conferences with focus on current issues in the addictions field.

ADDN 1520 - Anger, Addiction and Trauma
(3L)(3CR) This course provides students with an opportunity to explore anger and trauma from an addiction perspective.

ADDN 2005 - Group Process
(3L)(3CR) This course provides students with an opportunity for the study of groups and group process. These topics include, but are not limited to: development of groups, group work, group dynamics, group leadership, group process, groups for children, adolescents, adults and elderly, and specialty groups and theoretical perspectives of groups.
Prerequisites: CO/M 2155

ADDN 2010 - Addictions Assessment
(3L)(3CR) Provides an overview of the process of assessment of addictive behaviors including alcohol and drugs, smoking, and eating disorders. Foci are on the behavioral, psychological/cognitive-expectational, and physiological components of specific addictive behaviors.
Prerequisites: Seven credit hours of psychology.

ADDN 2015 - Ethics and Professional Issues
(3L)(3CR) Provides an opportunity for study of selected ethical and professional topics in counseling.

ADDN 2100 - Foundations of Substance Use Disorder Counseling II
(3L)(3CR) Introduces the profession of addictive disorders and the development the knowledge of the local health and social service delivery systems (especially the addiction and prevention systems), educational systems, criminal justice systems, and related professional, to better provide comprehensive services to clients/patients. Legal requirements and professional attitudes regarding these systems and the skills to accept, and make, appropriate referrals are essential for providing quality prevention and treatment services.

ADDN 2970 - Addictionology Practicum
(1L, 4LB)(3CR) Advanced addictionology students integrate previous academic learning in a scheduled and structured supervised experience in a cooperating treatment agency or facility under the supervision of a licensed professional. Students will serve a minimum of 150 hours during the semester and also attend one weekly 50-minute seminar class session. Students are required to document being addiction free for a minimum of 18 months prior to enrollment. S/U grading only.
Prerequisites: Permission of the instructor.

AECL 1000 - Agroecology
(3L, 2LB)(4CR) Introduces ecological interactions that affect food producing (agricultural) systems. Lectures and laboratory exercises study the various biological components and the science of sustainable agricultural production. Features differences between developed and developing countries. Explores crises and challenges facing agriculture and global society.
Prerequisites: None

AGEC 1010 - Agriculture Economics I
(3L)(3CR) [E] Will introduce the student to economics as a field of study and how it is useful to people in their daily lives. Can be used to fulfill the Human Behavior requirement for Agriculture majors only.

AGEC 1020 - Agriculture Economics II
(3L)(3CR) [E] The relation of microeconomic principles to the organization, and problems facing individuals in agriculture. Can be used to fulfill the Human Behavior requirement for agriculture majors only.
Prerequisites: AGEC 1010.

AGEC 1100 - Introduction to Computerized Ag Records
(3L)(3CR) This course is an introduction to farm and ranch computerized records management. It covers basic farm/ranch accounting functions including all financial statements (flow of funds, income statement and balance sheet). The course compares cash versus accrual accounting and the benefits of each. The focus of this course is to develop and reinforce accounting and record management principles by utilizing the microcomputer and entering case farm/ranch data.

AGEC 2010 - Farm-Ranch Business Records
(3L)(3CR) [E] The mechanics of farm record keeping and its use as a management tool. The laboratory exercises are actual problems in farm and ranch management and record keeping.

AGEC 2020 - Farm-Ranch Business Management
(3L, 2LB)(4CR) [E] Economic principles and business methods applied to analyze firms and operations. Will utilize practical problem solving techniques for variety of management problems.

AGEC 2100 - Advanced Computerized Ag Records
(3L)(3CR) This course is designed to cover advanced agriculture computerized records management. It includes advanced agriculture functions including all financial statements (flow of funds, income statement, balance sheet, and change in financial position). Advanced analysis techniques will be used to determine the financial condition of the business. The financial statements will be utilized to evaluate the efficiency of an operation through the use of index and ratio analysis.
Prerequisites: AGEC 1100.

AGEC 2300 - Agricultural Marketing
(3L)(3CR) An introduction to agricultural markets and marketing. Topics include the structure of United States agriculture, prices and marketing costs, government policy's influence on marketing, effects of supply and demand on marketing, livestock and crop marketing, and risk management.
Prerequisites: Sophomore standing.

AGEC 2370 - Farm and Ranch Appraisal
(2L, 2LB)(3CR) The appraisal of agricultural property using the American Rural Appraisal System. Students will be acquainted with the factors which influence value of a property, both real and personal, and will be required to make an actual farm or ranch appraisal.
Prerequisites: AGEC 2010.

AGRI 1010 - Computers in Agriculture
(1L, 2LB)(2CR) [E] Designed to familiarize students with computer applications and programs in agriculture. This course will be user-friendly and will provide the students the opportunity to use a personal computer in regards to agriculture.

AGRI 1020 - GPS and GIS in Agriculture
(1L, 2LB)(2CR) A look at applications of GIS and GPS technology as it pertains to the agricultural industry. Students will learn basic GIS, GPS and cartographic principles and apply them to help solve problems or answer questions in the Ag industry. Also will use other technologies such as GPS collars to track livestock grazing and remote sensed satellite imagery to help ascertain the health of grazing lands and estimate AUMs.
Prerequisites: AGRI 1010 or permission of the instructor.

AGRI 1490 - Topics: (Subtitle)
(1-3CR) Consists of investigations and discussions with respect to current topics in agriculture.

AGRI 2000 - Agriculture Chemicals I
(3L)(3CR) Designed to develop an understanding of agriculture chemicals, their principles and safety. Because agriculture is said to be the nation's most dangerous industry, a special emphasis will be given to chemical safety, environmental and consumer hazards, and impacts along with federal and state laws governing agriculture chemicals. (Fall semester.)

AGRI 2010 - Agriculture Chemicals II
(3L)(3CR) A course designed to develop an understanding of agriculture chemicals and their principles that are reviewed and applied to herbicides, insecticides, and fertilizers as they relate to crop and livestock production. The students become familiar with selection methods, rates, and methods of application.

AGRI 2475 - Independent Study in Agriculture
(1-3CR) (Max. 3) A comprehensive research study. Upon completing the project the student should present a paper and oral seminar to a committee selected by the project instructor. The problem and amount of credit received must have the approval of the instructor.
Prerequisites: Permission of the instructor.

AGTK 1570 - Horseshoeing
(1L, 2LB)(2CR) (Max. 2) A complete course in horseshoeing, including the physiology of the feet and legs, unsoundness, hoof care, shoeing equipment, and the actual shoeing of live horses. Taught by a graduate of an accredited horseshoeing school.

AGTK 1580 - Introduction to Outdoor Recreation: Guide Outfitting
(3L)(3CR) This course is designed to familiarize the student with the outdoor recreational guide industry. Emphasis will be placed on the use of horses and mules in the outdoor guiding industry. This course is meant to be a preliminary course to an actual hands-on Outfitting/Guide Curriculum.

AGTK 1590 - Packing and Outfitting
(0.5L, 3.5LB)(2CR) A course dealing with the principles and techniques involved in the use of horses as a form of transportation on the ranch or in the wilderness. Covers equipment and general procedures used in packing.

AGTK 1610 - Farm Shop I
(1L, 4LB)(3CR) Common skills involving both wood and metal working tools, fitting farm tools, welding, forging, and soldering.

AGTK 1620 - Farm Shop II
(4-8LB) (2-4CR) (Max. 4) Farm machinery repair is stressed, and a large project must be planned and constructed.

ANSC 1010 - Livestock Production I
(3L, 2LB)(4CR) [E] Course covers the scope of the livestock industry with particular emphasis on breeds and types and management of beef cattle, sheep and wool, swine, dairy cattle, poultry and horses.

ANSC 1020 - Livestock Production II
(3L)(3CR) Course covers fundamental principles of genetics and animal breeding, reproductive physiology, principles of nutrition, and digestion in domestic animals. Topics also include animal health and diseases, and grading and marketing methods of slaughter and feeder animals.

ANSC 1030 - Equine Management
(3L)(3CR) [E] A basic course covering the equine industry, including classes and breeds, selection with form to function, care and management, conformation and unsoundness, health and diseases, reproduction, and feeding and nutrition.

ANSC 1040 - Equine Nutrition
(2L, 2LB)(3CR) A basic course including the digestive system, nutritive needs, feed composition, metabolic and digestive disorders, vitamins and mineral nutrition, feed preparation and ration formulation, and general feeding and management.

ANSC 1100 - Artificial Insemination
(2LB)(1CR) A complete course in artificial insemination, including class work in animal breeding, physiology, nutrition, and beef cattle management, as well as actual insemination work with animals.

ANSC 1130 - Equine Management II
(3L)(3CR) A basic course covering the equine industry, including the history, care and management, reproduction, care and prevention of equine diseases, equine facilities and general equine practices.

ANSC 1150 - Animal Diseases
(2L)(2CR) A survey of the diseases common to this area in cattle, sheep, and horses. Special attention is given to sanitation, prevention, control, and eradication of disease.

ANSC 1160 - Issues in Agriculture
(3L)(3CR) Consists of investigations and discussions with respect to current topics in animal science.
Prerequisites: None.

ANSC 1200 - Livestock Fitting and Showing
(1L, 2LB)(2CR) Designed to provide students with the necessary skills to fit and show cattle, sheep, and swine. Emphasis will be placed on the clipping of feeder calves. This course is required for all students planning to exhibit feeder calves at the Arizona National.

ANSC 1210 - Livestock Judging I
(2L, 6LB)(5CR) Comparative appraisal and selection of beef cattle, sheep, hogs, and light horses. Students will be chosen from this class to represent Casper College at regional and national judging contests.

ANSC 1220 - Livestock Judging II (Advanced)
(2LB)(1CR) Advanced study in the principles of livestock selection with emphasis on judging and giving reasons.
Prerequisites: ANSC 1210, or permission of the instructor.

ANSC 2020 - Feeds and Feeding
(3L, 2LB)(4CR) [E] Principles of animal nutrition with emphasis upon practical feeding of livestock. Particular attention is given to feeding livestock in relation to recent discoveries in nutrition, including the functions and importance of vitamins and minerals, and the necessity for proper quantity of protein rations of livestock. Economy in feeding emphasized throughout the course.

ANSC 2110 - Beef Production
(3L)(3CR) A detailed study of the feeding, breeding, marketing, and pedigrees of all major breeds of beef cattle with emphasis on problems peculiar to the beef cattle industry in Wyoming.
Prerequisites: ANSC 1010 and ANSC 1020.

ANSC 2120 - Sheep Production
(3L)(3CR) A detailed study of care and management of sheep flocks in the Western states, with particular emphasis on problems peculiar to the range sheep industry in Wyoming.
Prerequisites: ANSC 1020.

ANSC 2130 - Swine Production
(3L)(3CR) Swine production in the United States including production of purebred and commercial swine: breeds, breeding, feeding, marketing, and management. Emphasis is on problems encountered in the production of swine in Wyoming.
Prerequisites: ANSC 1010 or ANSC 1020. Offered periodically.

ANSC 2230 - Livestock Judging II/I
(4LB)(2CR) A concentrated study of livestock selection with major emphasis on team competition and national livestock shows.
Prerequisites: ANSC 1220, or permission of the instructor.

ANSC 2490 - Topics: (Subtitle)
(1-3CR) Consists of investigations and discussions with respect to current topics in animal science.

ANTH 1100 - Introduction to Physical Anthropology
(3L)(3CR) [E] Presents basic concepts relating to the origin, evolution, biological nature, and adaptation of the human species.

ANTH 1200 - Introduction to Cultural Anthropology
(3L)(3CR) [E] Using an ethnological approach, (comparative study of culture), this course surveys the basic concepts of cultural anthropology including cross cultural investigations of kinship, marriage, language, religion, politics, economics, and culture change.

ANTH 1300 - Introduction to Archeology
(3L)(3CR) Provides a background in archeological theories and methods and explores the ways in which prehistoric material remains can provide an understanding of human behavior.

ANTH 2000 - Introduction to Linguistic Anthropology
(3L)(3CR) [E] This course provides an introduction to anthropological approaches for understanding language use and interpretation within a social context.

ANTH 2210 - North American Indian
(3L)(3CR) [E] A survey of North American Indian societies from prehistory to the present. Covers selected prehistoric cultural sequences as well as a general culture-area survey of known historic tribes and a consideration of current issues facing Native American groups.

ANTH 2475 - Independent Studies in Anthropology
(1-3CR) (Max. 6) Provides opportunity for independent reading and more in-depth study in various fields of anthropology.
Prerequisite: previous anthropology coursework and permission of the instructor.

ART 1000 - General Art: Studio
(2L, 4LB)(3CR) [E] General Studio Art is an introductory hands-on studio art class for non-art majors designed to give students practical experience and appreciation for the arts through a variety of media. Four media will be covered in this class: drawing, ceramics, relief printing and other media.

ART 1006 - Drawing I
(2L, 4LB)(3CR) Introductory drawing emphasizing a wide range of drawing materials and methods of visual study. Fundamentals are stressed.

ART 1010 - Introduction to Art
(3L)(3CR) [E] A survey of the arts produced by humans from pre-history through contemporary trends. Emphasis on the basic elements of art and visual literacy through review of a variety of media and architecture. For non-art majors only.

ART 1015 - History of Graphic Design
(3L)(3CR) This course discusses historic and contemporary design history with a focus on formal and aesthetic issues.

ART 1110 - Foundation: Two-Dimensional
(2L, 4LB)(3CR) [E] Studies and sequential exercises in the basic elements of design: shape, line, value, color, and texture. Exploration of the relationships of these elements with emphasis on composition.

ART 1120 - Foundation: Three-Dimensional
(2L, 4LB)(3CR) [E] A lecture and problem solving course in the basic elements and principles of three-dimensional design with emphasis on composition.

ART 1130 - Foundation: Color Theory
(2L, 4LB)(3CR) [E] Studies and sequential exercises in color theory. Exploration of the relationships of hue, value, and chroma, studied in progressive exercises to enhance student's awareness of color and its aesthetic relationships.

ART 1140 - History of Photography
(3L)(3CR) This course introduces the history of photography, from its beginnings in the 19th century to contemporary artists who use photographic technologies. Photography often has multiple and contradictory subject placements. The central methodological problem of the course will be to develop critical visual literacy within the often complex and contradictory nature of photographic images that represent a diverse set of photographic practices (e.g. journalism, documentary, advertisement, fashion, art, and personal documents.)

ART 1150 - Photography I
(2L, 4LB)(3CR) [E] A beginning course in still photography covering the operation of cameras and photographic equipment, processing of black and white films and prints, design and the history of photography. Assignments stress a variety of subjects emphasizing the fine art of photography.

ART 1160 - Photography II
(2L, 4LB)(3CR) A continuation of ART 1150 covering advanced camera and darkroom techniques including the Zone System, manipulated processes such as solarization, multiple printing, photograms, and toning. Emphasis is on the fine print and art of photography.
Prerequisites: ART 1150.

ART 1300 - Museum Studies
(3L)(3CR) The course provides an understanding of basic operations of a museum or gallery such as exhibit design, education, collections management, marketing, and an overview of the history and changing role of these facilities in society. The course also involves travel to Casper museums to explore their missions, services and collections.

ART 1345 - Bronze Casting
(2LB)(1CR) [E] The course is designed to acquaint the student with the basic principles of lost wax casting through traditional foundry techniques. Emphasis is on completion of a bronze casting. Procedures include wax working, mold investment, and burnout, foundry methods and finishing procedures.

ART 1495 - Photography Workshop
(2L, 4LB)(3CR) A course allowing students to work at their proficiency levels from beginning to advanced photography with individualized instruction. A variety of topics may be studied. (Summer semester.)
Prerequisites: ART 1150.

ART 2006 - Drawing II
(2L, 4LB)(3CR) Continuation of the principles of drawing, including contemporary esthetics and the human figure.
Prerequisites: ART 1006.

ART 2010 - Art History I
(3L)(3CR) [E] A study of the visual arts produced by humans from prehistoric times to the Gothic Era. This course required for all art majors.

ART 2016 - Field Sketching
(2L, 4LB)(3CR) This course presents the basic drawing skills needed to record accurate observations of the natural environment. These skills can benefit other visual art disciplines and/or serve as a foundation for drawing itself as a major discipline.

ART 2020 - Art History II
(3L)(3CR) [E] A study from the Renaissance to Rococo. Political, social, and economic factors relative to the visual arts will be considered. This course is required of all art majors.

ART 2023 - Collections Management
(3L)(3CR) This course is a practical study of the duties of a museum collections manager, including the documentation, loaning, digitization, preservation, storage and care of collections.

ART 2025 - Women In Art
(3L)(3CR) A general introduction to depictions of women in art from the earliest known artifacts produced by humans to understand how women were viewed in ancient societies, as well as women's involvement in the visual arts from the Middle Ages to the present with emphasis on the 20th century. Questions that will be posed include: "how does gender affect art?" and "how do stereotypes of women affect viewing works of art?" Political, social, and economic factors will be examined in relation to women artists and their times to further understand artistic production.

ART 2035 - Art History III
(3L)(3CR) A study of the visual arts produced throughout the late 18th to 21st century in Europe and America. Political, social, and economic factors will be considered as they affected artistic style.

ART 2050 - Life Drawing I
(2L, 4LB)(3CR) The human figure is used as primary subject. Proportion, anatomy, movement, portraiture etc. are studied. A variety of drawing materials are used.
Prerequisites: ART 1006.

ART 2060 - Life Drawing II
(2L, 4LB)(3CR) The human figure is used as primary subject. Proportion, anatomy, movement, portraiture etc. are studied. A variety of drawing materials is used.
Prerequisites: ART 2050 or equivalent transfer.

ART 2073 - Introduction to Art Education
(3L)(3CR) A survey of the history of art education focusing on influential 20th century educators, as well as discussion of contemporary theories in the field such as DBAE, Critical Theory, and Visual Thinking Strategies. This class will also focus on developing curriculum for the art education classroom with discussion of the stages of aesthetic development as well as assessment within an art course.

ART 2075 - Illustration I
(2L, 4LB)(3CR) This course is an introduction to the use of type, illustration, and expressive design to communicate visually. It consists of a series of sequential exercises to promote creative problem solving techniques and to master basic technical skills.
Prerequisites: ART 1006, ART 1110, and ART 1130.

ART 2076 - Illustration II
(2L, 4LB)(3CR) A continuation of the study of the exploration of visual communication concepts and design principles allowing students to develop more personal expressive ways of solving visual communication problems, and to expand their technical skills and use of multiple media.
Prerequisites: ART 2075.

ART 2090 - Printmaking I: Relief
(2L, 4LB)(3CR) A basic course in relief printmaking including black and white and color linocut, woodcut and plastic base printing techniques. (Fall semester.)
Prerequisites: ART 1006 and ART 1110.

ART 2095 - Printmaking II: Intaglio
(2L, 4LB)(3CR) A basic course in intaglio printmaking including etching, hard and soft ground, dry point, engraving, and aquatint techniques. Monoprints and monotypes will also be explored. (Spring semester.)
Prerequisites: ART 1006 and ART 1110.

ART 2105 - Digital Design II
(2L, 4LB)(3CR) Continued study of the Macintosh computer as a design tool to create and manipulate type and images and combine them.
Prerequisites: ART 1110.

ART 2110 - Typography
(2L, 4LB)(3CR) [E] This course offers students a comprehensive introduction to typography through exploration and experimentation with letterforms and page layout for expressive communication. The course will cover the fundamental typographic principles, font recognition, and analysis of both historical and post-modern design theory. Emphasis will be placed on content, form and technique for effective use of typography in ads, posters, newsletters and other visual communications.
Prerequisites: ART 1110 and ART 2122.

ART 2112 - Graphic Design I
(2L, 4LB)(3CR) [E] Graphic Design is a communication of ideas using type and images. This course offers students a comprehensive introduction to the field of graphic design that stresses theory and creative development in discipline-specific information; hands-on practice; and an understanding of time-honored principles. Although graphic styles and the tools of the graphic design field are constantly evolving, the fundamental structures and principles of good design remain constant.
Prerequisites: ART 1110, ART 2122.

ART 2113 - Introduction to Time Based Media
(2L, 4LB)(3CR) This course is designed to introduce graphic design students to video and animation as a medium for art and design. The course will cover basic video editing skills and effects and how to use a video camera to create cogent and aesthetically pleasing time based works. The course will also cover DVD Authoring in DVD Studio Pro.
Prerequisites: ART 2122.

ART 2122 - Digital Design I
(2L, 4LB)(3CR) An introductory course in the use of the Macintosh computer as a design tool to create and manipulate images and combine them.
Prerequisites: ART 1006 and ART 1110.

ART 2130 - Graphic Design II
(2L, 4LB)(3CR) This course offers students further exploration of concept development and the language of symbols combined with further exploration into the aesthetic issues of type. Emphasis will be placed on content, form and technique for effective use of graphic design and typography in ads, posters, newsletters, desktop publishing and other visual communications.
Prerequisites: ART 2112 and a working knowledge of Adobe CS4.

ART 2141 - Professional Practice in the Arts I
(1L)(1CR) This seminar will focus on practical aspects of artistic practice such as preparing a professional portfolio and resume, generating an exhibition, understanding careers in art and preparing work for museum and/or gallery consideration. This course is required of all art majors.

ART 2150 - Color Photography I
(2L, 4LB)(3CR) A study of the basic principles, concepts, and aesthetics used in color photography. Will cover negative and positive film processing and printing including color balance. Contemporary trends in color photography and basic color theory will also be reviewed.
Prerequisites: ART 1150, ART 1160 and permission of the instructor.

ART 2160 - Color Photography II
(2L, 4LB)(3CR) Continued study of various color developing and printing processes with an emphasis on experimental color photography. Contemporary trends in color photography will also be reviewed.
Prerequisites: ART 2150 and permission of the instructor.

ART 2180 - Alternative Processes
(2L, 4LB)(3CR) A course in experimental photographic techniques and nonsilver processes including cyanotype, gum prints, van Dyke prints, Polaroid transfer, and solar etching among others. (Spring semester.)
Prerequisites: ART 1150, ART 2160, and permission of the instructor.

ART 2210 - Painting I
(2L, 4LB)(3CR) [E] An introductory painting course presenting a variety of methods and subjects.
Prerequisites: ART 1006.

ART 2220 - Painting II
(2L, 4LB)(3CR) [E] An intermediate painting course presenting a variety of methods and subjects.
Prerequisites: ART 2210

ART 2230 - Painting III
(2L, 4LB)(3CR) [E] A painting course in which emphasis is on the aesthetic concepts of contemporary movements. Students are encouraged to experiment within the framework of selected projects and to explore individual ideas and broaden experience.
Prerequisites: ART 2210, ART 2220, and permission of the instructor.

ART 2240 - Painting IV
(2L, 4LB)(3CR) [E] A painting course in which emphasis is on the aesthetic concepts of contemporary movements. Students are encouraged to experiment within the framework of selected projects and to explore individual ideas and broaden experience.
Prerequisites: ART 2210, ART 2220, ART 2230, and permission of the instructor.

ART 2245 - Digital Photo for Art Majors
(2L, 4LB)(3CR) Investigation and application of some of the fundamentals of pictorial arrangement and expression within the realm of digital photography. Assignments are based on compositional problems. Some of the primary concerns are pictorial structure, balance, movement, contrast, theme, spatial relationships and color relationships. Additionally, the design and conceptual development of an assignment are emphasized coupled with high quality execution, originality and clarity of presentation.
Prerequisites: ART 1110.

ART 2310 - Sculpture I
(2L, 4LB)(3CR) A lecture and practice course applying the principles of three-dimensional form to sculptural expression. The course will focus on experience in substitution, (casting), additive and subtractive media and techniques.
Prerequisites: ART 1120.

ART 2320 - Sculpture II
(2L, 4LB)(3CR) A continuation of ART 2310. This course will focus on experience in fabrication, (welding), and mixed media as a means of expression.
Prerequisites: ART 1120 and ART 2310.

ART 2341 - Sketches in Clay
(2L, 4LB)(3CR) This is an introductory class in the fundamentals of traditional and contemporary ceramic making by means of hand building and throwing on the wheel. Students study some of the rich history and traditions of ceramics as well as developing techniques and different firing possibilities. An emphasis on sketching and journaling creative through processes before, during and after lab time has been added to the class.
Prerequisites: None

ART 2345 - Metal Casting
(2L, 4LB)(3CR) An examination of the principles of a three-dimensional form with a concentrated study of the casting process in sculpture, including bronze and aluminum metals and on occasion, other casting materials. In addition, this course will acquaint the student with the basic methods of lost wax casting through traditional foundry processes including wax working, mold investment, burnout, and finishing procedures.
Prerequisites: ART 1120 and ART 2310 or permission of the instructor.

ART 2346 - Metal Casting and Fabrication
(2L, 4LB)(3CR) This course will focus on the creation of sculpture using metal. Instruction includes solid investment casting using bronze and aluminum, chasing and patina work.
This semester will also include instruction in oxyacetylene, stick, (arc) and MIG welding as well as plasma cutting.
Prerequisites: ART 1120 or ART 2310 is recommended.

ART 2350 - Metals I: Jewelry
(2L, 4LB)(3CR) An introduction to the basic techniques in fabrication and design in nonferrous metals. Emphasis will be on the traditional and contemporary means of fabrication and forming.

ART 2360 - Metals II: Jewelry
(2L, 4LB)(3CR) A continuation of ART 2350. Emphasis will be on the traditional and contemporary means of casting.
Prerequisites: ART 2350.

ART 2370 - Metals III: Jewelry
(2L, 4LB)(3CR) A course designed around a set of specific problems for advanced jewelry and metal forming concepts. This course will focus on technical development and personal imagery.
Prerequisites: ART 2360.

ART 2375 - Metals IV: Jewelry
(2L, 4LB)(3CR) A continuation of ART 2370. This course will focus on problems of the student's own choosing with guidance by the instructor.
Prerequisites: ART 2370.

ART 2408 - Introduction to 3-D Modeling
(2L, 4LB)(3CR) This course is designed to introduce graphic design students to modeling and texturing techniques in Maya.
Prerequisites: ART 2122.

ART 2410 - Ceramics I
(2L, 4LB)(3CR) [E] This is an introductory class in the fundamentals of traditional and contemporary ceramic making by means of hand building and throwing on the wheel. Students study some of the rich history and traditions of ceramics as well as decorating techniques and different firing possibilities.

ART 2420 - Ceramics II
(2L, 4LB)(3CR) [E] This is a continuation of Ceramics I, expanding techniques of throwing on the wheel as well as hand building, with more complex assignments. Students start to learn about loading and firing kilns and take more responsibility for firing their projects.
Prerequisites: ART 2410 or permission of the instructor.

ART 2430 - Ceramics III
(2L, 4LB)(3CR) [E] This course offers advanced throwing on the wheel and hand building assignments with more independence in kiln firing. High temperature firing techniques and different styles of kilns become available for study.
Prerequisites: ART 2420 or permission of the instructor.

ART 2440 - Ceramics IV
(2L, 4LB)(3CR) [E] Students are challenged with advanced throwing or hand building assignments and are required to fire their own work with a technique best suited for the assignments.
Prerequisites: ART 2430 or permission of the instructor.

ART 2470 - Art Museum Training Internship
(1-3CR) (Max. 6) The internship gives the student exposure to museum work through first hand experience.
Prerequisites: Student must be enrolled in the art department, permission of the instructor, and interview with Nicolaysen Art Museum staff member and instructor.

ART 2480 - Special Projects: Drawing
(*LB,1-3CR) (Max. 6) *Laboratory to be arranged. Advanced drawing emphasizing individualized interests and projects. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 1006, ART 2050 and permission of the instructor.

ART 2481 - Special Projects: Illustration
(1-3CR) (Max. 6) An advanced course in methods and techniques used in illustration with emphasis on developing individual style. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2076 and permission of the instructor.

ART 2482 - Special Projects: Painting
(1-3CR) (Max. 6) An advanced painting class for the student wishing to take further painting credit with a specific instructor. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2210, ART 2220, and permission of the instructor.

ART 2483 - Special Projects: Printmaking
(1-3CR) (Max. 6) Special problems in advanced relief, intaglio and monotypes, and other printmaking techniques with approval and directional guidance of the instructor. The course involves the development of a total idea and project and the completion of a portfolio of prints. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a

continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2150, and permission of the instructor.

ART 2484 - Special Projects: Photography
(1-3CR) (Max. 6) Students will work on special problems or projects of their own choosing with approval and directional guidance of the instructor. The course involves the development of a total idea and project and the completion of a portfolio of prints. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 1160, ART 2095, and permission of the instructor.

ART 2485 - Special Projects: Ceramics
(1-3CR) (Max. 6) Assignments are of the student's choice with approval and guidance of the instructor based on credit hours. All work is done and finished at their own pace, meeting with the instructor as needed and at mid-term and finals. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2440 or permission of the instructor.

ART 2487 - Special Projects: Sculpture
(1-3CR) (Max. 6) Special problems of the student's own choosing with directional guidance by the instructor. Emphasis will be placed on the development of a total idea, whether it is one work or several. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2320 and permission of the instructor.

ART 2488 - Special Projects: Metals
(1-3CR) (Max. 6) Special problems in jewelry of the student's own choosing with directional guidance by the instructor. Emphasis on design and technical skills. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2360 and permission of the instructor.

ART 2489 - Special Projects: Graphic Design
(1-3CR) (Max. 6) An advanced study further exploring specific design problems with emphasis on development of ideas and flexibility of approach. This course is designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of an advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.
Prerequisites: ART 2112 and permission of the instructor.

ART 2490 - Topics: (Subtitle)
(1-3L) (1-3CR) (Max. 12) A special seminar in various topics related to art.
Prerequisites: Permission of the instructor.

ART 2990 - Museum Training Internship
(18LB)(6CR) This course is designed for practical experience in a museum in areas such as collections management, education, development, or exhibition design. For museum/gallery studies majors only.
Prerequisites: ART 1300.

ASL 1200 - American Sign Language I
(4L)(4CR) This course will provide beginning level knowledge of American Sign Language, fingerspelling, deafness, and deaf culture. Emphasis will be on developing receptive and expressive language skills within the parameters of sign language using the American Council on the Teaching of Foreign Language 5C's to include: Communication, Culture, Connections, Comparisons and Community.

ASL 1220 - American Sign Language II
(4L)(4CR) This course will provide intermediate level instruction in American Sign Language, fingerspelling, deafness, and deaf culture. Emphasis will be on developing receptive and expressive language skills within the parameters of sign language.
Prerequisites: Successful completion (C or better) of ASL 1200.

ASL 2200 - American Sign Language III
(4L)(4CR) This course will provide advanced level instruction in American Sign Language, fingerspelling, deafness and deaf culture. Emphasis will be on developing receptive and expressive language skills within the parameters of sign language using the American Council on the Teaching of Foreign Language 5 C's to include: Communication, Culture, Connections, Comparisons and Community. This course will continue developing American Sign Language. Advanced vocabulary and ASL grammar will be taught and reinforced through classroom presentations and activities, cultural models and visual media presentation. Discussions will focus on deafness, deaf history, current trends and related topics. The direct experience method (using ASL with no voice) will be used to enhance language acquisition.
Prerequisites: Successful completion (C or better) of ASL 1220.

ASL 2220 - American Sign Language IV
(4L)(4CR) This course will continue advanced level instruction in American Sign Language, fingerspelling, deafness and deaf culture. Emphasis will be on receptive and expressive language skills within the parameters of sign language using the American Council on the Teaching of Foreign Language 5 C's to include: Communication, Culture, Connections, Comparisons and Community. This course will continue developing American Sign Language. Advanced vocabulary and ASL grammar will be taught and reinforced through classroom presentations and activities, cultural models and visual media presentations. Discussions will focus on deafness, deaf history, current trends and related topics. The direct experience method (using ASL with no voice) will be used to enhance language acquisition.
Prerequisites: Successful completion (C or better) of ASL 2200 or equivalent coursework.

ASTR 1000 - Descriptive Astronomy
(3L)(3CR) [E] Designed to give a general understanding of modern astronomy. A background in historical astronomy will open the course. From there, a survey of the solar system and the objects in it will be discussed. An overview of the life and death of a star will follow. Finally, a description of the galaxy will be covered along with a study on the various theories of the origin of the universe. (Taken with ASTR 1015, equivalent to ASTR 1050 [SE].)

ASTR 1015 - Astronomy Laboratory
(2LB)(1CR) [E] An optional supplement to ASTR 1000 and designed to familiarize the student with tools and procedures of fundamental astronomical observations.
Prerequisites: MATH 0920. (Taken with ASTR 1000, equivalent to ASTR 1050 [SE].)

ASTR 1050 - Survey of Astronomy
(3L, 2LB)(4CR) [E] A survey of astronomy and the universe. Topics will include astronomical concepts, terms and history, as well as a study of stellar evolution, galaxies, cosmology, and the solar system. The lab is an exercise into the concepts and methods used by astronomers in their study of the universe.
Prerequisites: MATH 0900.

ASTR 1100 - Planets Around Stars
(3L, 2LB)(4CR) A survey of the planets and moons of our solar system; the physical laws governing their motions; the theory of their formation and evolution to the present time. Includes comparative studies of the interiors, surfaces, and atmospheres of the planets, and comparison of our solar system to recently discovered extrasolar planets.
Prerequisites: A grade of "C" or better in MATH 0920. ASTR 1000 recommended.

ASTR 2490 - Topics: (Subtitle)

(1-4CR) Offered in answer to specific need or public interest.

ATEC 1850 - Disability Awareness

(3L)(3CR) This course consists of three primary components: an analysis of discrimination - its forms, its reasons, and its results; disability awareness – reviewing the many forms of disability, the myths and realities of disability, and assistance available to cope with disabilities; and the various federal laws ensuring the rights of the disabled.

ATSC 2000 - Introduction to Meteorology
(3L, 2LB)(4CR) [E] This first course in meteorology is for students with minimal background in math and science. It provides general and practical understanding of weather phenomena, and emphasizes observational aspects of the science, meteorological view of the physical world and the impact the science has on life and society. The course will include discussion of atmospheric composition and structure, radiation, winds and horizontal forces, stability and vertical motions, general circulation, synoptic meteorology, clouds and precipitation, severe storms and atmospheric optics.

AUBR 1540 - Auto Body Welding
(1L, 4LB)(3CR) A course in the application of basic welding techniques in replacement and repair of auto body panels.
Prerequisites: WELD 1820 or concurrent enrollment.

AUBR 1550 - Auto Body Repair I
(2L, 4LB)(4CR) Course covers shop and tool safety; service information and measurements; mechanical repair of power train, suspension, steering, brake, cooling, heater and air conditioning, exhaust, emission control, and fuel systems.

AUBR 1560 - Auto Body Repair II
(2L, 4LB)(4CR) A continuation of AUBR 1550, covering the automotive electrical/electronic systems, and restraint system operation and service.
Prerequisites: AUBR 1550.

AUBR 1710 - Frame and Chassis I
(1L, 3LB)(2.5CR) An introduction to frame repair including impact on its effect on a vehicle, measurement of body dimensions, unibody straightening, and realigning techniques.
Prerequisites: AUBR 1550 and AUBR 1810.

AUBR 1810 - Collision Damage Repair I
(2L, 4LB)(4CR) Introduction to the collision repair industry, vehicle construction technology, tool usage, materials, fasteners, working sheet metal, and the use of body fillers.

AUBR 1820 - Collision Damage Repair II
(2L, 4LB)(4CR) A continuation of AUBR 1810, covering the service and replacement of fenders, hoods, panels, bumpers, trim, doors, glass, and passenger compartment components.
Prerequisites: AUBR 1810.

AUBR 1910 - Auto Paint I
(2L, 4LB)(4CR) A course in auto painting, with emphasis on material and equipment handling.

AUBR 1920 - Auto Paint II
(2L, 4LB)(4CR) A continuation of AUBR 1910, stressing theoretical and practical aspects of final finishing procedures for complete car refinishing and spot repairs.
Prerequisites: AUBR 1910.

AUBR 1975 - Independent Study - Auto Body Repair
(1-3CR) (Max. 6) This course provides an option for students with sufficient background to pursue special interests in the auto body lab under contract with the instructor.
Prerequisites: Permission of the instructor.

AUBR 1980 - Cooperative Work Experience
(1-8CR) This course is designed to provide an opportunity for students with sufficient entry level auto body skills to work off-campus, in weld related areas, while attending classes on campus part-time.
Prerequisites: Demonstrate proficiency of auto body skills, and permission of the instructor.

AUTO 1502 - Automotive Survey I
(2L, 8LB)(6CR) For an entry level into automotive repair. For those students with little or no automotive background. Provides general theory and repair in the following automotive systems: electrical, engine performance, brakes, suspension and steering.

AUTO 1503 - Automotive Survey II
(2L, 8LB)(6CR) A continuation of AUTO 1502 to provide third year high school students theory and exposure to the following automotive systems: engine repair and overhaul, heating and air conditioning, manual transmission, drive train and axles, and automatic transmission.

AUTO 1510 - Engine System Fundamentals
(2L, 8LB)(6CR) This course will cover engine design and operation, engine sub-systems including ignition, fuel, cooling, oiling, intake and exhaust, and timing systems. Emphasis is placed on the proper usage of diagnostic tools and equipment, base engine diagnosis, engine performance, and tune-up procedures.

AUTO 1515 - Basic Automotive Technology
(1L, 4LB)(3CR) This course will provide students with little or no automotive background a practical look at working in the automotive industry with general theory and repair in the areas of electrical systems, engine performance, brake systems, suspension systems, and steering systems.

AUTO 1690 - Manual Power Train Fundamentals
(2L, 4LB)(4CR) This course is designed to provide automotive students with the general theory, operation and component service involved in the transmission of mechanical power. The primary emphasis of the course deals with an introduction to drive shafts, drive axles, clutches, manual transmissions/transaxles and four-wheel/all-wheel drive components.

AUTO 1740 - Brake Systems
(2L, 4LB)(4CR) An introduction to braking systems, this course will cover basic theory and service of hydraulic systems, power brake systems, parking brakes, and antilock systems. Diagnostics, service and repair procedures are emphasized.

AUTO 1760 - Heating and Air Conditioning
(1L, 6LB)(4CR) The course will cover heating and air conditioning theory, regulations, troubleshooting, component service, evacuation, recharging and retrofitting procedures.
Prerequisites: AUTO 1510 and AUTO 1765 or permission of instructor.

AUTO 1765 - Automotive Electrical
(2L, 6LB)(5CR) Introductory course designed to cover the theory, operation, testing and service of automotive electrical systems, battery, starting and charging systems.

AUTO 2500 - Advanced Engine Rebuilding
(1L, 6LB)(4CR) Designed to provide students with the background and hands-on practice necessary to diagnose, repair and overhaul gasoline engines.
Prerequisites: AUTO 1510.

AUTO 2555 - Suspension and Steering
(2L, 4LB)(4CR) This course is an introduction to automotive alignment and suspension, and will cover chassis and steering system components, service procedures, alignment theory, and four-wheel alignments.

AUTO 2565 - Advanced Automotive Electrical
(2L, 6LB)(5CR) A continuation of the vehicle electrical system operation and testing, covering lighting circuits, instrumentation, accessories, body computers, electronic chassis controls and passive restraint systems.
Prerequisites: AUTO 1765.

AUTO 2580 - Automotive Electronic Theory
(2L)(2CR) Intended for advanced automotive students who have a desire to increase their knowledge of basic electronics. The course is intended to provide an introduction to electronics and on-board microprocessors as they are currently used on production vehicles.
Prerequisites: AUTO 1765.

AUTO 2610 - Computerized Fuel Systems
(2L, 6LB)(5CR) This course is intended for automotive students who have the need to increase their background on electronically controlled engine management systems. Students will begin with an overview of concepts that are applicable to understanding and diagnosing systems on all vehicles; then will move on to the study of individual systems.
Prerequisites: AUTO 1510 and AUTO 1765.

AUTO 2800 - Problems in Automotive Technology
(1-3CR) (Max. 6) Designed to provide the opportunity for advanced automotive students to pursue an independent problem in advanced areas of automotive repair. Students electing this course will develop, under supervision of an instructor, a problem, which is of specific interest to them.
Prerequisites: Advanced standing in the automotive program, and permission of the instructor.

AUTO 2810 - Diagnosis and Tune-up Procedures
(2L, 4LB)(4CR) Provides students with the theory, diagnosis, adjustment and repair of the systems that affect engine performance. Includes basic engine condition, distributor ignition, carburetion, and emission control systems. Emphasis is placed on accurate use of diagnostic tools, equipment, proper tuning procedures, use of specifications, and interpretation of test results.
Prerequisites: AUTO 1510 and AUTO 2610.

AUTO 2980 - Cooperative Work Experience (Automotive)
(1-6CR) (Max. 8) On the job training with in automotive technology.

AUTO 2995 - Automotive Workshop: (Subtitle)
(1-3CR) Overview of basic automotive systems, light service work and used vehicle inspection.

AVTN 1500 - Introduction to Aviation
(3L)(3CR) A brief look into various subject areas including aviation history, pilot licenses, aviation jobs, aviation organizations, and aircraft ownership. This class is open to students who wish to learn about the subject but may not wish to fly or students who have thought about flying but want to learn more before making a decision to actually get started.

AVTN 1980 - Cooperative Work Experience
(1-8 CR) Students are afforded the opportunity to gain practical on-the-job experience in their specialties. Students will be supervised by the instructor and the employer. A minimum of 80 hours of on-the-job training represents one semester credit.

AVTN 2510 - Private Pilot Ground School
(3L)(3CR) Includes the study of Federal Aviation Regulations, flight dynamics, meteorology, navigation, and airport operations. Designed to fulfill the ground school requirements for the FAA Private Pilot Certificate.

AVTN 2520 - Private Pilot Flight School
(3L)(3CR) Provides approximately 50 hours of flight instruction (35 hours dual, 15 hours solo flight). Students will receive an S/U grade after completion of the final check flight.
Prerequisites: Concurrent enrollment in AVTN 2510 and third-class medical certificate.

AVTN 2600 - Instrument Pilot Ground School
(3L)(3CR) Includes the study of aircraft altitude control, flight maneuvers, and flight based solely on instrument reference. Also covered are hazardous weather, interpreting weather data, FAA regulations and IFR procedures.
Prerequisites: Private pilot certificate.

AVTN 2620 - Instrument Pilot Flight School
(3L)(3CR) Teaches the application of aircraft altitude control, flight maneuvers, and flight based solely on instrument reference. (Stage I-III) Students will do approximately 35 hours of precision altitude flying which includes “actual” and “hood” time. The course also includes advance navigation, IFR/ATC procedures and night flying. Students will receive an S/U grade after completion of the final check flight.
Prerequisites: Private pilot certificate and concurrent enrollment in AVTN 2600.

AVTN 2705 - Commercial Pilot Ground School
(3L)(3CR) Includes the study of aircraft altitude control and flight maneuvers applicable to the commercial pilot certificate. Successful completion of the course will qualify the student to take the Commercial Pilot Certificate Examination.
Prerequisites: AVTN 2600, or permission of the instructor.

AVTN 2720 - Commercial Pilot Flight I
(3L)(3CR) Approximately 70 hours of advanced flight instruction teaching abilities such as precision altitude flying, commercial maneuvers, radio navigation, and night flying. Students will receive an S/U grade after completion of a check flight.
Prerequisites: Completion of or concurrent enrollment in AVTN 2705.

AVTN 2730 - Commercial Pilot Flight II
(3L)(3CR) Approximately 70 hours of advanced flight instruction teaching abilities such as altitude instrument flying, instrument navigation, and commercial cross-country flight. Students will receive an S/U grade after completion of the final check flight.
Prerequisites: AVTN 2720.

BADM 1000 - Introduction to Business
(3L)(3CR) [E] An orientation to the field of business: types of business organizations, financing of businesses, marketing functions, and business environment.

BADM 1005 - Business Mathematics I
(2L, 2LB)(3CR) Designed to review basic mathematics skills and build a proficiency in the operation of electronic calculators. These skills are applied to practical business problems in bank services, payroll, taxes, risk management, mark-up, discount, depreciation, financial analysis, simple and compound interest.
Prerequisites: MATH 0920 or Algebra Domain 40-65.

BADM 1020 - Business Communications
(3L)(3CR) Helps students to compose, edit, and rapidly revise business messages on microcomputers. Group interaction is emphasized with written communications, reports, and other communications resources such as speaking and listening, and use of the Internet and e-mail.

BADM 1025 - Entrepreneurial Finance
(3L)(3CR) The successful management of a company’s finances is fundamental to success in today’s competitive business environment. This course covers key economic concepts, management functions, financial statements and financial analysis used for a business.

BADM 1030 - Personal Finance
(3L)(3CR) The efficient management of money is a prime requirement for a happy and successful family life. This course is designed to aid the student in planning a program for such major items as inflation, budgeting, insurance, savings and investment, home buying, and income taxes. Recommended as an elective for business and nonbusiness majors.

BADM 2010 - Business Law I
(3L)(3CR) [E] An introductory survey course providing a broad overview of business related legal topics. Students will be familiarized with the nature and sources of law, court systems, jurisdictions of state and federal courts, small claims court, common law, statutory law, constitutional law, criminal law, torts, contracts, (especially as they are affected by the Uniform Commercial Code), social responsibility and business ethics, property law, estate planning, and how to avoid probate.

BADM 2025 - Employment Law
(3L)(3CR) [E] This is an introductory survey course providing a broad overview of employment related topics. The course will cover both state and federal employment law.

BADM 2030 - Business Ethics
(3L)(3CR) [E] This course focuses on the importance of ethics in business considerations as well as ethical issues in the news today. This course will examine how ethics is an essential part of all business elements, from management to employee development.

BADM 2040 - E-commerce
(3L)(3CR) To prepare for the rapid changes in electronic commerce, students will be exposed to multifaceted business issues such as: the role of independent third-parties, the regulatory environment, risk management, Internet security standards, cryptography and authentication, firewalls, e-commerce payment mechanisms, intelligent agents, and web-based marketing.
Prerequisites: INET 1895.

BADM 2050 - Film Business and Legal Aspects
(3L)(3CR) An Introductory survey course providing a broad overview of business and legal topics in the film industry. Students will be familiarized with the nature of the film industry with special focus on independent films. Students will also learn copyright and trademark law associated with the film industry. Students will also explore new changes in the industry brought about by the digital age and new approaches in marketing through the internet.
Prerequisites: None.

BADM 2055 - Media and Entertainment Law
(3L)(3CR) An introductory survey course providing a broad overview of business and legal topics in the media and entertainment industry. Students will be familiarized with the beginnings of freedom of speech, press, and expression. Students will explore cutting edge, current events that highlight areas such as copyrights, advertising, pornography, censorship of the media, cable and satellite television, digital and satellite radio, and the internet. Students will also study and analyze media and entertainment law ethics issues.
Prerequisites: None.

BADM 2060 - Music Business and Copyrights
(3L)(3CR) An introductory survey course providing a broad overview of business and legal topics in the music industry. Students will be familiarized with the nature and sources of the three income streams in the music industry: music publishing, recordings, and live entertainment. Students will also learn copyright law associated with music. Students will explore new changes in the industry brought about by the digital age and new approaches in marketing through the internet and mobile applications.
Prerequisites: None.

BADM 2065 - Entrepreneurial Cyberlaw and E-Commerce Regulation
(3L)(3CR) An introductory survey course providing a broad overview of business and legal topics in Cyberspace with a focus towards entrepreneurs. Students will not only be familiarized with the fundamentals of cyber law and e-commerce regulation in a global business context, but also the impact of the law on the technology sector firm itself.
Prerequisites: None.

BADM 2100 - Small Business Practices
(2L)(2CR) For the person interested in starting his or her own business. Emphasis will be on the development of a "business plan" and the finance, accounting, management, and marketing after the business has been established.

BADM 2195 - Entrepreneurship
(3L)(3CR) This course is designed for those students who have always wanted to start their own business, or for those that just want to explore the possibilities.

BADM 2245 - Real Estate Law
(3L)(3CR) [E] This is an introductory survey course providing a broad overview of real estate related legal topics. More specifically, the course will cover the differences between real and personal property, define fixtures and their significance, and explore the scope of real property to the sky, air, and natural resources. There will be a section on easements, profits, and licenses. There will be discussions on the types of ownership such as joint tenancy or tenancy in common. We will discuss real estate agents, brokers, and the duties attending to those positions.

BADM 2340 - Business Organizations and Government Regulations
(3L)(3CR) A study of the principles of agency and employment law, independent contractors, wrongful termination, worker's compensation, civil rights act, administrative law, environmental law, antitrust, partnerships, limited partnerships, joint-ventures, corporations, subchapter S corporations, limited liability companies, franchises, security regulation, lender liability and consumer protection, and international law.

BADM 2350 - Commercial Law
(3L)(3CR) A study of the basic principles of the law of personal and real property and its financing, water law, landlord and tenant, bailments, Uniform Commercial Code, sales, commercial paper, secured transactions, Uniform Consumer Credit Code, creditor's remedies and suretyship, bankruptcy and reorganization, exemptions, enforcement of judgment, garnishment, and execution.

BADM 2490 - Topics: (Subtitle)
(.33-4CR) (Max. 4) Uncatalogued business courses for persons who wish advanced preparation in a specific discipline.
Prerequisites: Permission of the instructor.

BANK 1500 - Principles of Banking
(3L)(3CR) An introduction to the banking services. Includes history and evolution, the documents and language of banking, the deposit function, check processing and collection, bank bookkeeping, bank loans and investments, trust department services, specialized services to foreign traders and other banks, and bank regulations and examination.

BANK 2930 - Analyzing Financial Statements
(3L)(3CR) A practical introduction to financial analysis from the viewpoint of the commercial loan officer, this course gives the student the skill they need to effectively assess a borrower's ability to repay loans. Designed for commercial loan officers, credit analysts, and trainees who have a basic knowledge of accounting principles and practices and a familiarity with the commercial lending process.
Prerequisites: ACCT 2010.

BIOL 1000 - Introduction to Biology I
(3L, 3LB)(4CR) A study of the cell as the unit of life, the chemistry of life, and an overview of the functioning of organs and organ systems of vertebrates. General biological principles such as genetics, homeostasis, and structure/function relationships are emphasized. This course is appropriate for biology and biology-related majors, especially those pursuing health-related degrees such as nursing, medical technology, occupational therapy, physical therapy, etc. It also fulfills the laboratory science requirements of such majors as education, social and behavioral sciences, humanistic studies, English, etc. Biology at the high school level is desirable but not required.

BIOL 1010 - General Biology I
(3L, 3LB)(4CR) [E] Fundamental concepts including basic chemistry, cell structures and functions, tissues, energy reactions, genetics, molecular biology, population dynamics, and evolutionary theory. Designed for life science majors and pre-professional life science curricula. It is anticipated that students have had one year of high school biology.

BIOL 2022 - Animal Biology
(3L, 3LB)(4CR) This course addresses the evolution, anatomy, physiology and ecology of animals. It is intended as a continuation of BIOL 1010, generally for students majoring in the sciences.
Prerequisites: BIOL 1010 or equivalent.

BIOL 2023 - Plant and Fungal Biology
(3L, 3LB)(4CR) An introduction to the principles of botany and mycology. Topics discussed include cell structure, anatomy, diversity, taxonomy, physiology, reproduction, genetics, evolution, and ecology of plants and fungi.
Prerequisites: BIOL 1000, BIOL 1010, or equivalent.

BIOL 2110 - Yellowstone Field Science
(3L)(3CR) A field approach to the ecology, natural history and politics of Yellowstone National Park. Students spend a hiking-intensive week and write about the experience under the guidance of an English instructor (ENGL 2055). Concentration will be on plant and animal identification, natural history, and interactions with each other and their environment. Political issues in Yellowstone, i.e., snowmobiles, bison migration and wolf restoration will be discussed.

BIOL 2120 - Biomedical and Environmental Ethics
(3L)(3CR) This course will examine ethical issues related to medicine, biology technology and the natural environment. During the first half of the course, ethical theory is introduced, and the class will read, discuss and debate material on medical and technological issues such as defining life, abortion, euthanasia, biomedical research, genetic engineering and speciesism. The second half of the course will be devoted to issues such as animal rights, land ethics, crop engineering and the value of wilderness and biodiversity. Much class time is devoted to debate and discussion. College biology recommended.

BIOL 2325 - Tropical Ecology
(6LB)(3CR) Tropical Ecology utilizes on-site instruction to introduce students to the fundamental principles of tropical biology, the natural history of important tropical plants and animals, and their conservation. Students will be introduced to a variety of habitats, depending on the country visited. Field orientation at each site visited includes identification of plants and animals and general ecology and natural history, area management, history and cultural considerations necessary for conservation and research in the tropics. Financial assistance may be available for interested and qualified students.
Prerequisites: BIOL 1000 or BIOL 1010, and permission of the instructor. Students must complete an application form, available from the instructor.

BIOL 2400 - General Ecology
(3L)(3CR) [E] An introduction to the principles of ecology. Topics stressed include ecosystems, communities, populations, succession, aquatic and terrestrial habitats, natural selection, abiotic interactions, and speciation.
Prerequisites: BIOL 1000, BIOL 1010 or equivalent.
Cross-listed: LIFE 2400

BIOL 2410 - Field Ecology I
(5LB)(2CR) [E] A field and laboratory course to introduce research methods in general ecology. Includes required field trips.
Prerequisites: BIOL 1010, or permission of the instructor.
Cross-listed: LIFE 2410

BIOL 2465 - Research Problems in Biology
(1-3CR) (Max. 3) A comprehensive research study is required. Upon completing the project, the student should present a paper and oral seminar to a committee selected by the project instructor. The problem and amount of credit received must have the approval of the instructor.
Prerequisites: Permission of the instructor.

BIOL 2490 - Topics in Biology
(1L)(1CR) Consists of investigations and discussions with respect to current topics in biology. Subjects for consideration will include global warming, evolution, cloning, aging, gene therapy, stem cell research, ecology, bioeconomy, political correctness, cancer, and alternative medicine. Genetics and ecology will be stressed. Students will be expected to do readings on assigned topics and discuss it in class.

BOTK 1540 - Business English
(3L)(3CR) For those who need a review of basic communication skills. Students study the fundamentals of grammar, punctuation, and spelling. These skills are applied to situations that occur in business offices.

BOTK 1655 - Keyboarding Speed and Accuracy
(2LB)(1CR) This course provides students with proven techniques for improving their precision and performance. The drills are designed to increase keying speeds while maintaining a high degree of accuracy. This class offers the students

the opportunity to move their keyboarding efficiency to the next level. Extra laboratory work may be required. Students need to know the keyboard. A student may take a departmental exam to challenge this course. Students successfully completing the exam will receive a grade of "S" for 1 credit.

BOTK 1660 - Document Formatting
(.5L, 3LB)(2CR) This course emphasizes development of document formatting skills using word processing software. Students will learn to properly format those documents used in the working world: letters, memos, reports, tables, and other common and/or specialized formats. Some extra laboratory work may be necessary. Minimum keyboarding skills of 30 wpm needed.

BOTK 1800 - Dispatch Software Programs
(6LB)(3CR) This course emphasizes development of skills using software designed for Dispatch certificate students to learn about integrated software for public safety in dispatch and call center settings. Some extra lab work may be necessary. Minimum keyboarding skills of 40wpm needed.
Prerequisites: Admission into the Dispatch Certification Program.

BOTK 1955 - Professional Development
(3L)(3CR) Designed to provide an awareness of the "people" skills essential for job success. Topics include developing a positive self-image, a professional self-image, business ethics, time management, human relations and communication skills, organizational dynamics, and career management.

BOTK 1980 - Cooperative Work Experience I
(1-3CR) (Max. 6) The student is given the opportunity to gain practical, on-the-job experience within the student's area of business specialization. Supervision will be by program coordinator and employer. A minimum of 80 hours of on-the-job training represents one semester hour. The student must maintain 12 credit hours with a 2.0 GPA during the semester. Prerequisites: Student must be a full-time business information systems major and have permission of the instructor.

BUSN 2000 - International Business
(3L)(3CR) [E] Students develop knowledge of the diverse cultural impact on multinational trade, marketing, finance, management, and government policies. Emphasis will be on the cultural dynamics of cultural business.

CE 2070 - Engineering Surveying
(2L, 4LB)(3CR) [E] Principles and theory of land surveying for engineering students. The use and care of the surveyor's chain, level, and theodolite. Error theory and propagation of errors in measurement and calculations. Traverse measurement and adjustment, stadia for mapping, and solar angle for line bearing. Methods of public land and municipal surveying. Prerequisites: MATH 1450 or high school equivalent

CHEM 1005 - Basic Chemistry I
(3L)(3CR) [E] Designed primarily for students who have not had high school chemistry or feel that they need a review, this course consists of a study of matter, atomic structure and bonding, the periodic table, chemical symbols, nomenclature and chemical equations, quantitative composition of compounds, calculations from chemical equations. Provides acceptable credit for students enrolled in agriculture, forestry, home economics, nursing, and petroleum technology. Not recommended for engineering, pre-medicine, pre-dentistry, pre-pharmacy, pre-veterinary medicine or any of the physical science majors. Students needing laboratory credit should enroll concurrently in CHEM 1006.
(Taken with CHEM 1006, equivalent to UW CHEM 1000.)

CHEM 1006 - Basic Chemistry Laboratory I
(3LB)(1CR) [E] Elementary chemical laboratory practice demonstrating the applications of chemical theory. This laboratory includes experiments on density, changes of state, physical and chemical properties, percent composition of hydrates, elementary qualitative analysis, chemical reactions, and empirical formulas. Not recommended for students who plan to take CHEM 1025 or CHEM 1035. Concurrent enrollment or credit in CHEM 1005 is required. (Taken with CHEM 1005, equivalent to UW CHEM 1000.)

CHEM 1025 - Chemistry I
(3L, *)(3CR) [E] *One problem class per week. The first semester of a general course designed to meet the requirements of pre-professional, engineering, science, and liberal arts majors. Covers fundamental principles, atoms, subatomic particles, periodicity of elements, stoichiometry, bonding, oxidation states, states of matter, and solutions.
Prerequisites: A 'C' or better in MATH 0930, or an ACT math score of 23 or better. (High school chemistry strongly recommended or a 'C' or better in CHEM 1005)
(CHEM 1025 with CHEM 1028 are equivalent to UW CHEM 1020.)

CHEM 1028 - Chemistry Laboratory I
(3LB)(1CR) [E] Introductory chemistry laboratory used to introduce the student to laboratory equipment and technique and to demonstrate some of the chemical laws discussed in CHEM 1025. (CHEM 1025 with CHEM 1028 are equivalent to UW CHEM 1020.)

CHEM 1035 - Chemistry II
(3L, *)(3CR) [E] *One problem class per week. The second semester of a general course designed to meet the requirements of pre-professional, engineering, science, and liberal arts majors. Covers thermodynamics, kinetics and mechanism of chemical reactions, equilibrium situations, complex equilibria, electrochemistry, descriptive chemistry, and organic chemistry. Prerequisites: A 'C' or better in both CHEM 1025 and MATH 1400, or permission of the instructor. (CHEM 1035 with CHEM 1038 are equivalent to UW CHEM 1030.)

CHEM 1038 - Chemistry Laboratory II
(3LB)(1CR) [E] A continuation of CHEM 1028 used to introduce more advanced technique, qualitative analysis and simple organic chemistry. To be taken concurrently with CHEM 1035.

CHEM 2230 - Quantitative Analysis
(2L, 6LB)(4CR) [E] The study and practice of the principles and techniques of quantitative isolation and determination of some of the elements and their compounds. The applications and limitations of the theories and operations of analytical chemistry. The solutions of problems of all types are a major part of the two weekly class periods. Prerequisites: CHEM 1035 or permission of the instructor.

CHEM 2300 - Introductory Organic Chemistry
(4L)(4CR) [E] A one-semester introduction to organic chemistry with a biological emphasis. Topics covered are bonding, structure, intermolecular attractions, common and systematic nomenclature, hydrocarbons, alcohols, phenols, mercaptans, ethers, aldehydes, ketones, carboxylic acids and their derivatives, amines, stereochemistry, carbohydrates, lipids, amino acids, proteins, nucleic acids, heterocycles, natural products, and polymers. Students needing organic laboratory credit should enroll concurrently in CHEM 2325.
Prerequisites: CHEM 1005 or CHEM 1025.

CHEM 2320 - Organic Chemistry I
(3L, *)(3CR) [E] *One problem class per week. First of a two-semester sequence in modern organic chemistry. Topics covered are bonding, structure, alkanes, alkenes, alkynes, kinetics, stereochemistry, cycloaliphatic compounds, aromaticity, and arenes.
Prerequisites: CHEM 1035, or permission of the instructor.
To be taken concurrently with CHEM 2325.

CHEM 2325 - Organic Chemistry Laboratory I
(3LB)(1CR) This laboratory involves instruction in fundamental organic laboratory techniques including simple synthesis and use of gas chromatography.
To be taken concurrently with CHEM 2320 or CHEM 2300.

CHEM 2340 - Organic Chemistry II
(3L, *)(3CR) [E] *One problem class per week. A continuation of CHEM 2320. Topics covered are spectroscopy (mass spectrometry, infrared, ultraviolet and nuclear magnetic resonance) haloalkanes, alcohols, ethers, aldehydes, ketones, carboxylic acids and their derivatives, phenols, carbohydrates, polymers, and natural products.
Prerequisites: CHEM 2320.
To be taken concurrently with CHEM 2345.

CHEM 2345 - Organic Chemistry Laboratory II
(3LB)(1CR) Involves detailed synthetic preparations and spectral and chemical analysis of the products.
To be taken concurrently with CHEM 2340.

CHEM 2465 - Research Problems in Chemistry
(3LB)(1CR) A comprehensive research study in which the student performs under graduate chemical research under the direction of a principal investigator.
Prerequisites: Permission of instructor.

CHIN 1010 - First Year Chinese I
(4L)(4CR) This course is intended for students who have never studied Chinese at the college level. Students will learn the fundamentals of the Chinese language through listening, speaking, reading, and writing activities at the ACTFL (American Council on the Teaching of Foreign Languages) Novice Low Level. The course will also introduce students to the culture of various Chinese-speaking countries and areas. Language laboratory times are required as needed. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: None

CHIN 1020 - First Year Chinese II
(4L)(4CR) This course is a continuation of the objectives in CHIN 1010. Students will become more proficient in basic listening, speaking, reading, and writing Chinese and will further their grammatical study of the Chinese language at the ACTFL (American Council on the Teaching of Foreign Languages) Novice Mid- Level. The course will continue to introduce students to the cultures of various Chinese-speaking countries and areas. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in CHIN 1010, CLEP test result, equivalent of 6-8 semesters of high school Chinese with a cumulative "B" average or better in those classes, or instructor's permission.

CMAP 1500 - Computer Keyboarding
(2LB)(1CR) This course will give students hands-on experience with the microcomputer keyboard for application in computer usage. Designed for students with no previous keyboarding instruction. Extra laboratory work may be required. Available for S/U or letter grade.

CMAP 1505 - Introduction to Computers
(.5, 1LB)(1CR) This course is designed as an introductory course for students new to the computer realm. It is a general overview of pertinent aspects computer users need to know. Topics include different types of computers and the features that make them unique, computer networking, computer hardware and peripheral devices, an overview of operating systems and the tasks they provide, an introduction to computer software applications, the role of privacy and security in the digital environment, how to use the World Wide Web by navigating and searching the web, concepts related to ecommerce and consumer safety, and exposure to the social aspect of the web.

CMAP 1506 - Computer Keyboarding II
(.5, 1LB)(1CR) This course is designed for students with limited typing skills who need to improve technique, speed or accuracy. This course is intended to give students additional hands-on experience using the computer keyboard to improve speed and accuracy while learning word processing skills. Students need to know proper keyboarding techniques and keyboard layout. Extra laboratory work may be required.
Prerequisites: CMAP 1500 or permission of the instructor.

CMAP 1510 - Computer Literacy
(2L, 2LB)(3CR) This course is a survey of various methods to process data, emphasizing the personal computer and its impact on traditional business applications. Topics include input-output devices and advancements in computer hardware, software, and data communications. Two hours per week devoted to computer laboratory will be used to introduce the student to the computer hardware, system software, application software, and hand-son labs.

CMAP 1550 - E-Portfolio Development
(.5L, 1LB)(1CR) This course is designed for students to create a developmental electronic learning record that will provide reflection upon their learning and evidence of achievement in their particular field of study. Professional items will be added such as a resume, cover letter, and other pertinent examples to substantiate learning of assessment purposes for prospective employment. Technical skills include file management, media creation and upload. Information relevant to the aesthetics and functionality of e-portfolios will also be provided.

CMAP 1610 - Windows I
(1L, 2LB)(2CR) This course is an introduction to the Windows operating system. The fundamentals of the Windows operating system will be explored. Students will learn to use the help, my computer, and Internet features of Windows. In addition, they will learn how to manage files and organize disks, how to customize the desktop, how to share data between programs, how to perform primary system maintenance, and they will be exposed to the multimedia/Internet functions of Windows. Windows experience is recommended.

CMAP 1615 - Operating Systems
(3L)(3CR) This course is an introductory course on the basics of computer operating systems including file systems, configuration, inter-process communication, security, administration, interfacing, multitasking, and performance analysis. The effect of additional technologies such as multi-core processing, wireless technologies, PDA and telephone operating systems are also explored. Specific information related to Linux, Windows and UNIX operating systems will be examined at the end of the semester.
Prerequisites: CMAP 1610

CMAP 1660 - Voice Technology
(.5L, 1LB)(1CR) Students will use speech recognition software to learn the software features, train the software to recognize their voices, dictate and manipulate text, build accuracy to 95+ percent, and voice-type at over 100 wpm. Your voice profile file can be exported to a zip disk.

CMAP 1685 - Using Computers In
(.5L, 1LB)(1CR) Presents the fundamentals of a personal accounting system to help track income and expenses. The course is designed to help students track every sum of money that flows into and out of accounts. The student will learn to generate graphs and reports, to total sources of income and show how it was distributed. The course includes the application of accounting principles on the microcomputer. Text materials and problems on the computer should help students gain knowledge needed to keep personal records and track investments.

CMAP 1696 - Inspiration
(.5L, 1LB)(1CR) Inspiration is a powerful visual learning tool that inspires students to develop ideas and organize thinking. Its integrated diagramming and outlining environments work together to help students comprehend concepts and information. Powered by proven techniques of visual learning, Inspiration supports improved achievement for students, taps creativity, and strengthens critical thinking, comprehension, memory retention, and organizational skill development. Keyboarding ability is recommended.

CMAP 1700 - Word Processing I
(.5L, 1LB)(1CR) The following techniques will be presented: creating documents, deleting and inserting text, moving, copying, printing, formatting, using multiple documents, finding and replacing text, and running a spelling check. Extra laboratory work may be required. Keyboarding ability recommended.

CMAP 1705 - Word Processing II
(.5L, 1LB)(1CR) The following techniques will be presented: additional editing and formatting skills, some DOS features, page numbering, boilerplates, special printing effects, math maneuvers, merge printing of form letters and envelopes, and producing mailing labels. Extra laboratory work may be required. Keyboarding ability.

CMAP 1710 - Word Processing III
(.5L, 1LB)(1CR) The following techniques will be presented: preparing fill-in documents, conditional merge printing, automating document assembly, merging with math, creating tables of contents and indexes, adding soft fonts, working with data bases and spreadsheets, keyboarding macros and using additional advanced features. Extra laboratory work may be required.
Prerequisites: CMAP 1705.

CMAP 1715 - Word Processing
(1L, 4LB)(3CR) Will cover basic through advanced functions of word processing software. Training will be provided on microcomputers in the origination, processing, editing, and output of the document cycle. Various formats, applications, and exercises will be utilized to produce a variety of professional documents. Extra laboratory work may be required. A keyboarding speed of 30 wpm is needed to succeed. Completion of CMAP 1700, CMAP 1705 and CMAP 1710 (for a total of 3 credits) is equivalent to CMAP 1715.

CMAP 1750 - Spreadsheet Applications I
(.5L, 1LB)(1CR) Designed to integrate information processing and spreadsheet problems and to create applications for the modern business environment. Extra laboratory work may be required.

CMAP 1755 - Spreadsheet Applications II
(.5L, 1LB)(1CR) This course is designed to integrate information processing and intermediate level spreadsheet problems and to create applications for the modern business environment.
Prerequisites: CMAP 1750 or permission of the flex lab instructor.

CMAP 1760 - Spreadsheet Applications III
(.5L, 1LB)(1CR) This course is designed to integrate information processing and advanced level spreadsheet problems and to create applications for the modern business environment.
Prerequisites: CMAP 1755 or permission of the flex lab instructor.

CMAP 1765 - Spreadsheet Applications
(2L, 2LB)(3CR) This course covers the features of Microsoft Excel. Topics include creating worksheets, charts, formulas; developing functions, formatting, Web queries, What-If analysis; creating static and dynamic Web pages, data tables, financial schedules; creating, sorting, and querying a list; creating templates; working with multiple worksheets and workbooks, object linking and embedding (OLE), using macros, importing data, and working with Pivot Charts. Completion of CMAP 1750, CMAP 1755 and CMAP 1760 (for a total of 3 credits) is equivalent to CMAP 1765.

CMAP 1800 - Database Applications I
(.5L, 1LB)(1CR) The following operations will be presented: designing, creating, editing, sorting, indexing, and searching database files. Database files will be used with Wizards to create queries, tables, forms, and reports. Keyboarding skill equivalent of 20 wpm is needed to succeed.

CMAP 1805 - Database Applications II
(.5L, 1LB)(1CR) This course is designed to integrate information processing and intermediate level database problems and to create applications for the modern business environment.
Prerequisites: CMAP 1800 or permission of the flex lab instructor.

CMAP 1810 - Database Applications III
(.5L, 1LB)(1CR) This course is designed to integrate information processing and advanced level database problems and to create applications for the modern business environment.
Prerequisites: CMAP 1805 or permission of the flex lab instructor.

CMAP 1815 - Database Applications
(2L, 2LB)(3CR) The following operations will be presented: designing, creating, editing, sorting, indexing, and searching database files. Database files will be used with Wizards to create queries, tables, forms, and reports. Students will apply operations and learn to use multiple databases, create advanced queries and custom forms and reports, integrate documents with other programs, and use the World Wide Web and hyperlink fields. Keyboarding skills equivalent to 20 wpm are needed to succeed. Completion of CMAP 1800, CMAP 1805 and CMAP 1810 (for a total of 3 credits) is equivalent to CMAP 1815.

CMAP 1850 - Document Publishing I
(.5L, 1LB)(1CR) This is an introductory course to desktop publishing using current desktop publishing software. Students will learn desktop publishing concepts necessary to create flyers, brochures, and newsletter. They will also learn to create custom publications from scratch. Individual skills will be developed related to text editing, graphic design and editing, the use of placeholders, editing templates; and the creation of color schemes, font schemes, and customized building blocks. Extra laboratory work may be required. Keyboarding and work processing skills are strongly recommended for successful completion of this course.

CMAP 1851 - Document Publishing II
(.5L, 1LB)(1CR) This class builds upon the skills learned in Document Publishing I. Students will learn how to build business information sets, create letterhead templates, business cards, work with tables for the creation of calendars, merge publications with data files, and create data driven catalogs. New skills will include the creation of new styles, working with master pages, Word Art, editing and embedding tables, and managing merged publications. Extra laboratory work may be required.
Prerequisites: CMAP 1850

CMAP 1852 - Document Publishing III
(.5L, 1LB)(1CR) This class builds upon the skills learned in Document Publishing I and II. Students will learn the more advanced concepts such as editing large scale publications, sharing and distributing publications, and creating an interactive web site including the creation of web forms. Individual student skills will include the ability to create a table of content, bookmarks, hyperlinks, and generation of html and Visual Basic code. Extra laboratory work may be required.
Prerequisites: CMAP 1850 and CMAP 1851

CMAP 1855 - Desktop Publishing
(2L, 2LB)(3CR) This is a comprehensive course using current desktop publishing software to creating a wide variety of documents. Students will learn how to create flyers, brochures, newsletters, custom publications, business information sets, data-driven catalogs, and large-scale publications. Additionally, they will learn how to merge a publication to a data source to create multiple documents and create an interactive web site including the creation of web forms. Students will develop skills in object linking, embedding, editing text, color editing, graphic design of objects, and template design. They will be introduced to html code and Visual Basic. Keyboarding and word processing skills are strongly recommended for successful completion of this course. Completion of CMAP 1850, CMAP 1851 and CMAP 1852 (for a total of 3 credits) is equivalent to CMAP 1855.

CMAP 1886 - Outlook
(.5L, 1LB)(1CR) Use your computer for an all-in-one organizer. Keep track of appointments, e-mail, faxes, addresses, to-do-lists, and reminder notes. Keyboarding skills equivalent to 20 wpm are needed to succeed.

CMAP 2220 - Spreadsheets for Management
(2L, 2LB)(3CR) Development of skills in business decision-making with emphasis on problem analysis, data gathering, and recommended solutions to case-type problems. All features of spreadsheets will be explored including spreadsheet analysis, data base management, macro programming, and charts. Extra laboratory work may be required.
Prerequisites: Completion of COSC 1200, ACCT 2010 and minimum COMPASS score of 33 or ACT score of 21, keyboarding ability, or permission of the instructor is required. (Spring semester.)

CMAP 2630 - Presentation Graphics
(1L, 2LB)(2CR) This course is designed to provide a working knowledge of presentation software. Procedures include authoring multimedia projects to include animation, sound files, object linking and embedding technology. Topics include using/creating/customizing design templates and themes, adding effects to shapes and objects, modifying visual elements, animation with motion paths, and the design/delivery of presentations. Extra laboratory work may be required. Completion of CMAP 2635 and CMAP 2636 (for a total of 2 credits) is equivalent to CMAP 2630.

CMAP 2635 - Presentation Graphics I
(.5L, 1LB)(1CR) This course is designed to develop techniques necessary to design appropriate presentations focusing on purpose and intended audience. Students will create presentations using a template, customize themes, insert objects, create SmartArt objects, and add special effects to a presentation. Extra laboratory work may be required. Completion of CMAP 2635 and CMAP 2636 (for a total of 2 credits) is equivalent to CMAP 2630.
Prerequisites: Completion of or concurrent enrollment in CMAP 1615 and CMAP 1715 are recommended.

CMAP 2636 - Presentation Graphics II
(.5L, 1LB)(1CR) This course is designed to incorporate the advanced features of PowerPoint. Students will integrate presentations with other programs, customize handouts, publish a presentation as a Web page, add action buttons, add hyperlinks, incorporate advanced special effects and create special types of presentations. Extra laboratory work may be required. Completion of CMAP 2635 and CMAP 2636 (for a total of 2 credits) is equivalent to CMAP 2630.
Prerequisites: CMAP 2635 or permission of the instructor.

CMAP 2990 - Topics: (Subtitle)
(.33-4CR) Consists of investigations and discussions with respect to current topics in computer applications.

CNSL 2200 - Introduction to Student Leadership I
(2LB)(1CR) This course will acquaint students with the leadership skills and competencies necessary for successful service in the college community and beyond. While required of students elected to the ASCC Student Senate, enrollment is open to all students.
Prerequisites: Election to ASCC Student Senate, or permission of the instructor.

CNSL 2210 - Introduction to Student Leadership II
(2LB)(1CR) A continuation of CNSL 2200.

CNTK 1560 - Construction Safety
(3L)(3CR) Understanding safety and planning preventative measures is crucial to the modern construction firm. You will receive in-depth information concerning specific areas of safety management. This program emphasizes the importance of managing safety and productivity with equal emphasis.

CNTK 1630 - Basic Cabinet Making
(1L, 2LB)(2CR) For anyone wishing to learn basic cabinet making skills. Cabinet design, construction techniques, finishing procedures, and machine operation are included in classroom and laboratory instruction. Students construct an appropriate cabinetry unit of their choice.

CNTK 1640 - Furniture Refinishing Methods
(1L, 2LB)(2CR) This course covers different types of wood finishes, application methods and appropriate uses. Topics include stains, dyes, fillers, paints and special wood treatment techniques. Students will gain an understanding of these various processes as they produce sample blocks of these finishes. Also covers the procedures for refinishing and restoring furniture.

CNTK 1670 - Woodworking
(3LB)(1.5CR) This course is designed to provide the student with the basic knowledge of woodworking tools, materials, processes in construction, and finishes with the main emphasis on the correct usage, set-up, and safe operation of both stationary and hand-held woodworking tools. The student chooses their own project(s) and provides their own materials to construct project(s) using the shop facilities during the extent of the 10 week class. S/U grade.

CNTK 1700 - Introduction to Construction
(2L, 4LB)(4CR) Basic concepts of residential and light commercial construction. This will include hands-on training in the safe operation and use of both hand and power tools, concrete testing and grading, and careers in the construction industry.

CNTK 1750 - Blueprint Reading
(2L)(2CR) Interpreting building plans and specifications. Types of drawings, scales, symbols, types of construction, electrical, mechanical, and various other details.

CNTK 1850 - Construction Techniques
(2L)(2CR) A survey course to introduce the student to the world of construction, including residential, commercial, and industrial projects with a chronological study of the development of architectural form.

CNTK 1860 - Woodworking Fundamentals I
(2L, 4LB)(4CR) A course for those wanting to learn or further their woodworking skills. An emphasis will be placed on safety, problem solving, material selection, and practical approaches to woodworking. In the lab, students will receive an introduction to the safe and correct use of both hand and stationary power tools and equipment to build a project of the student's choice.

CNTK 1865 - Woodworking Fundamentals II
(2L, 4LB)(4CR) This course provides an enhanced knowledge of techniques and materials used in the design and construction of wood furnishings. Emphasis on problem solving, multi-joining technology and custom finishing. Prerequisites: CNTK 1860.

CNTK 1870 - Building Materials and Systems
(3L)(3CR) Building materials and structural systems as they relate to the construction industry. Methods of construction, environmental impact and code requirements.

CNTK 1900 - Concrete and Asphalt Technology
(2L, 4LB)(4CR) Designed to give the student a basic knowledge of the materials, procedures and quality control methods used in the asphalt and concrete industries.

CNTK 1905 - Carpentry
(2L, 4LB)(4CR) This course is designed to build upon previously learned skills in carpentry, roofing, concrete, and work site safety, through hands-on construction techniques in a lab setting. Typically, the material covered will relate to residential construction, but commercial and industrial applications will be covered. Prerequisites: CNTK 1700.

CNTK 1955 - Electrical Construction Wiring
(3L)(3CR) The theory of electricity and practical wiring. Design and installation of wiring systems as required by code for residential structures.

CNTK 1975 - Materials Handling and Construction Equipment
(3L)(3CR) The new art and science of moving and storing all types of materials and products of the construction industry including machines, equipment, and systems.

CNTK 2500 - Advanced Furniture Projects
(2L, 4LB)(4CR) This class will focus on material selection, esthetic design, advanced joinery techniques, selection of hardware and consideration of grain and color to compliment the design. Coopering, bent lamination, veneering will be covered. Emphasis is placed on a high degree of craftsmanship, design and professionalism as demonstrated by the student through an independent furniture project of their choice and approved by the instructor. Prerequisites: CNTK 1860

CNTK 2510 - Construction Estimating
(3L)(3CR) A study of the core functions of estimating and job preplanning. Plans and specifications are used for quantity survey. Economic factors of time, cost, production control, overhead, and profit are considered.

CNTK 2520 - Architectural and Construction Planning
(3L)(3CR) A survey of architectural construction administration including planning and scheduling as practiced in the building industry. Codes, specifications, and contractual documents as they apply to building projects.

CNTK 2525 - Construction Project Management
(3L)(3CR) An introduction to construction project management, focused on the utilization of commercial computer software packages. Prerequisites: CNTK 2510.

CNTK 2980 - Cooperative Work Experience (Construction)
(1-4CR) (Max. 6) Practical construction experience on the job, with required written reports on the field experience. See "Unit of Credit.''

CNTK 2995 - Construction Workshop
(1CR) (Max. 5) Selected construction topics taught in a seminar setting.

CO/M 1000 - Introduction to Mass Media
(3L)(3CR) [E] Explores the nature and function of the mass media in contemporary society. Begins by examining some major theoretical conceptions of the communication process, concentrating on how communication creates and sustains culture. Other topics include the effects of the media on media consumers, special characteristics of the various media, and public policy issues in regard to mass media.

CO/M 1010 - Public Speaking
(3L)(3CR) [E] An introductory course in public speaking. The emphasis is on theory, speech development, and practice as the student is introduced to a variety of speaking situations from impromptu talks to platform speeches.

CO/M 1030 - Interpersonal Communication
(3L)(3CR) [E] Focuses on face-to face relationships in interpersonal communication settings. Self-concept, perception, language, nonverbal channels, listening, and emotions are presented as factors in dyadic relationships.

CO/M 1040 - Introduction to Human Communication
(3L)(3CR) [E] An introduction to the nature and function of human symbolic communication in its various settings. The role of symbolic communication on the interpersonal level as a method of establishing and defining human relationships will be examined, as will the relationship of symbolic communication to the establishment and maintenance of larger behavioral, economic, and cultural processes and structures.

CO/M 1060 - Forensics I
(2LB)(1CR) For those students interested in competing in events sponsored by the National Community College Speech Association.

CO/M 1080 - Talking With: (Subtitle)
(1L)(1CR) (Max. 3) This course will focus on unique or specific communication situations, for which there are often special strategies or rules for effective communication.

CO/M 1505 - Communication for Professional Success
(1-3CR) A practical approach to improving communication in the workplace. This course presents principles and practices for business and professional employees in three areas: personal skills (Interpersonal Communication), group skills (Small Group Communication), and presentation skills (Public Speaking and Interviewing). The course may be taken for three credits as a whole, or individually for one credit each.

CO/M 2060 - Forensics II
(2LB)(1CR) (Max. 2) For those interested in competing in those events sponsored by Phi Rho Pi, the national community college speech association. Students will attend and participate in intercollegiate forensics as members of the forensics squad of Casper College. Prerequisites: Permission of the instructor.

CO/M 2090 - Introduction to Persuasion
(3L)(3CR) [E] Human communication as a change agent is studied along with relationships of attitudes to behavior with emphasis on behavioral research and contemporary theories. Prerequisites: CO/M 1010 or permission of instructor.

CO/M 2100 - Reporting and Newswriting I
(2L, 2LB)(3CR) [E] Learning the meaning of news, beginning newswriting, development of news sources, selection and organization of information, variations in types of news, the developments and trends of journalistic forms, and social and legal responsibilities of the

press. Practice in gathering and writing news. Preparation of articles for campus newspaper. Prerequisites: ENGL 1010 or permission of instructor.

CO/M 2110 - Nonverbal Communication
(3L)(3CR) [E] Students will have practical opportunities to study the influence of nonverbal factors in communication.
Prerequisites: ENGL 1010 or permission of instructor.

CO/M 2120 - Small Group Communication
(3L)(3CR) [E] Communication behavior in small group situations is explored; networks, dynamics, leadership roles, member functions, and decision-making behavior.
Prerequisites: CO/M 1010 or CO/M 1030 or permission of instructor.

CO/M 2125 - Family Communication
(3L)(3CR) Designed to explore the role that communication plays in family functioning.
Prerequisites: CO/M 1030 or permission of instructor.

CO/M 2135 - Gender, Communication and Culture
(3L)(3CR) This course provides both a theoretical and real-life view, for both genders, on how our communication in work, school, social and relationship settings help shape and design our gender constructs.

CO/M 2145 - Mentoring Communication
(1-2CR) This course will focus on unique or specific communication situations associated with serving as a mentor for elementary students between the ages of 8 - 11 and the application of special strategies or rules for effective communication in those situations. This course is associated with the Help Yourself Academy, an after-school program designed to offer Title 1 NCSD elementary students (grades 3 - 6) the opportunity to focus on a math and science curriculum.
Prerequisites: Permission of the instructor.

CO/M 2150 - Argumentation
(3L)(3CR) [E] Principles of argumentation are presented with emphasis on reasoning, evidence, case construction, and effective presentation in bringing about belief and conviction. Application by participation in debates and discussions on various social and political questions.
Prerequisites: CO/M 1010 or permission of instructor.

CO/M 2155 - Motivational Interviewing
(3L)(3CR) Behavioral change is a goal of many human service professionals. This course will examine the process of how change occurs and how to apply evidence based practices to assist clients with the change process thorough the use of motivational interviewing. Through a combination of lecture, skill practice, discussion and personal exploration this course will serve as a 'hands on' experience for the change process.

CO/M 2170 - Beginning Broadcast Writing
(3L)(3CR) [E] Techniques of writing, interviewing and delivering news stories for radio and television. Practice in gathering and producing broadcast news.

CO/M 2180 - Introduction to Film Studies
(2L, 2LB)(3CR) Introduction to film esthetics and critical approaches to studying and writing about film. Includes examination of photography, production, scripting, sound, composition as well as theoretical and social concerns.

CO/M 2190 - Basic Video Production
(2L, 2LB)(3CR) Basic camera operation, sound, lighting, scriptwriting, planning, budgeting, and editing introduce the fundamentals of corporate and educational single-camera video production. Students will work in a variety of crew positions to create private or institutional videotapes.

CO/M 2200 - Broadcast Production
(2L, 2LB)(3CR) [E] Introduction to the fundamental technical and production concepts in radio, television, and motion pictures. Actual experience with equipment and an understanding of its operation are emphasized.
Prerequisites: CO/M 2190 or permission of the instructor.

CO/M 2260 - Interviewing
(3L)(3CR) [E] Principles and methods of imparting information through interviewing in both private and public situations will be explained. Students will study and practice techniques employed in professional situations.
Prerequisites: CO/M 1030 or permission of instructor.

CO/M 2340 - Editing and Production
(3L)(3CR) Evaluation, selection and preparation of news copy for publication. Practice in copy reading, proof reading, headline writing, and page layout. Use of photography and advertising in page layout.
Prerequisites: CO/M 2100.

CO/M 2355 - Introduction to Media Photography
(3L)(3CR) This course is designed for students to gain a general understanding of digital camera operation and the development of photojournalism and its role in a visually-oriented world. Students will used both film and digital cameras for their photographs and will learn how to manipulate them in Adobe Photoshop.
Prerequisites: CO/M 2100, or permission of the instructor.

CO/M 2370 - Independent Video Production
(1-2CR) (Max. 2) With approval of the instructor, the student designs and implements one or more independent or institutionally-related video projects.

CO/M 2380 - Cinema History
(3L)(3CR) [E] A study of the development of film from 1895 to the present in relation to historical forces shaping the film industry in the form of artistic movements, world history, popular taste, technology, economics, and politics. Weekly screening of historically significant films supplement readings, lectures, and discussions.
Prerequisites: ENGL 1010 or permission of instructor.

CO/M 2390 - Independent Publications
(2LB) (Max. 3CR)(1CR) Students interested in work on the newspaper or the literary/art magazine will work in advertising, photography, records, circulation, editorial and or writing/editing.
Prerequisites: Permission of the instructor.

CO/M 2471 - Communication Internship
(1-3CR) (Max. 6) This course is designed for students wishing to gain work experience using communication skills. This is an unpaid internship. The student will complete 80 hours of work for 1 credit hour. The student will be evaluated by his/her supervisor at work as well as several visits by the instructor. This course may be repeated to a maximum of 6 credit hours.
Prerequisites: Permission of instructor.

CO/M 2475 - Independent Study
(1-3CR) (Max. 6) An opportunity for students to develop projects in their particular area of interest within the communication discipline.
Prerequisites: CO/M 1040, consent of instructor, and completion of at least six hours of 2000 level CO/M credits.

CO/M 2480 - Cooperative Work Experience
(1-3CR) (Max. 6) Laboratory work consists of paid on-the-job training independently arranged and accompanied by academic instruction.
Prerequisites: Permission of instructor.

CO/M 2490 - Topics: (Subtitle)
(1-3CR) Independent study and research reserved for students who have successfully completed six hours of 2000 level communication courses. Topics must meet with the approval of the instructor and proceed under direct supervision.

CO/M 2495 - Workshop: (Subtitle)
(.5-3CR) (Max. 12) Offered in response to needs and interests of students and members of the community. The topics vary but focus on developing an understanding and acquiring fundamental skills in communication.

CO/M 2520 - Intro to Social Media
(3L)(3CR) This course will introduce methods for analyzing and understanding how people apply social media technologies and their societal implications. The course will offer real world examples to help students use tools like Facebook, Twitter, Pinterest, Tumblr and YouTube in creating content and communication plans for organizations and businesses. In addition, students will learn how to manage their own identity or brand through various forms of social media.
Prerequisites: None

COSC 1010 - Introduction to Computer Science
(3L, 2LB)(4CR) [E] Introduction to problem solving and programming using structured program development techniques applied to a high-level programming language. Students will participate in software experimentation in a closed laboratory setting. Additional programming exercises will be assigned for student to complete in open laboratories or on their own equipment.
Prerequisites: Typing skills.

COSC 1030 - Computer Science I
(3L, 2LB)(4CR) [E] Study of algorithmic problem solving using principles of structured programming and object-oriented design. Algorithms are implemented in a high-level, object-oriented language. Programming assignments and experimentation with software in a closed laboratory supplement the discussion.
Prerequisites: Previous programming experience required and COSC 1010 or instructor permission.

COSC 1200 - Computer Information Systems
(2L, 2LB)(3CR) [E] An introduction to computers and information processing. Computer concepts covered include: the merger of computer and communication technologies, hardware, software, ethics, and security. Students develop basic software skills in: word processing, spreadsheets, databases, presentations, Web designing, and integrating software. Keyboarding skills equivalent to 20 wpm is needed to succeed.

COSC 2030 - Computer Science II
(3L, 2LB)(4CR) [E] Studies the use 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.
Prerequisites: COSC 1030.

COSC 2150 - Computer Organization
(3L)(3CR) [E] Foundations class for advanced coursework in computer science. Use of assembly and high-level languages to study the structure and operations of computers. Topics include the logical organization of computers, structured data and instruction representation in various types of languages, and extensive study of the assembly language of a modern microprocessor. Most programming is done at the assembly language level.
Prerequisites: COSC 2030 (or concurrent enrollment) or permission of instructor.

COSC 2210 - Business Data Processing I
(2L, 2LB)(3CR) Study of relational database design techniques. Skills learned include relational table design, user interface design, and visual basic scripting. Microsoft Access, Microsoft SQL Server, and other relational databases will be used.
Prerequisites: CMAP 1815, COSC 1010, or permission of the instructor.

COSC 2220 - Business Data Processing II
(2L, 2LB)(3CR) Study of principles of database administration. Skills learned include installation and configuration of scalable databases, implementation of security modeling, and implementation of fault tolerance systems for Microsoft SQL Server databases.
Prerequisites: COSC 2210.

COSC 2240 - Systems Analysis and Design
(3L)(3CR) How to analyze existing information processing systems and prepare user specifications for improved systems. The systems development life cycle, from investigation through installation and review, and an actual systems analysis.

COSC 2300 - Discrete Structures
(3L)(3CR) [E] Applications in computer science of set theory, counting techniques, Boolean algebra, mapping, relations and functions, propositional logic and graphing. Additional topics include induction, proof methods, and propositional calculus.
Prerequisites: COSC 2030 and MATH 2200 or MATH 2355. (Dual listing MATH 2300.)

COSC 2402 - LISP Programming with CLOS
(2L)(2CR) Overview of functional programming using the Common Lisp language. Includes object oriented topics using the CLOS object system. Students are expected to complete programming assignments in open computer labs or on their own computers.
Prerequisites: COSC 2030, or permission of the instructor.

COSC 2405 - User Interface Design
(2L)(2CR) An intermediate-level course in developing graphical applications for a modern operating system. Through a series of hands-on activities, students will gain experience in designing, implementing, and debugging user interfaces for practical applications. The use of a wide variety of user interface components will be covered together will best practices for the platform of interest. The emphasis of this course is on creating clean, usable interface designs rather than producing the most technically capable implementation.
Prerequisites: COSC 1030.

COSC 2406 - Programming in Java
(3L, 2LB)(4CR) [E] Students will study algorithmic problem solving techniques using object oriented programming in Java. Topics include creation of files, applets and graphical interfaces, console applications, arrays, graphics and animation methods and Internet communication, with special emphasis on class and object creation.
Prerequisites: COSC 1010 or COSC 1030.

COSC 2409 - Programming: Topic
(2-4CR) [E] Describes various computer languages focusing on their differences from prerequisite languages and the uses of these new features. This course will give the student the chance to study new and unusual languages and their uses.
Prerequisites: COSC 2030 or concurrent enrollment.

COSC 2480 - Cooperative Experience (Computer Systems and Applications)
(1-3CR) (Max. 6) The student is afforded the opportunity to gain practical, on-the job experience within the student's area of business specialization. Supervision of program coordinator and employer, if required. A minimum of 80 hours of on-the job training represents one semester hour. The student must maintain 12 credit hours with a 2.0 GPA during the semester this course is taken.
Prerequisites: Computer systems and applications or computer science major and permission of the program coordinator.

COSC 2495 - Computer Workshop
(3LB)(1CR) (Max. 3) Offers practical experience in programming and in using the computer to process various types of jobs. Intended for those students who wish to obtain additional programming experience.
Prerequisites: COSC 2030.

COTA 2020 - Human Occupations and Life Roles
(4LB)(2CR) The foundation of occupational therapy is purposeful activity related to development and life roles. This course provides an in-depth exploration of occupations and life roles throughout the life cycle while exploring occupational therapy theory, analysis and synthesis of occupations as performed in the various life stages. Provides discussion of influences of disability and culture to occupational performance.
Prerequisites: Permission of OTA program director.

COTA 2100 - Psychosocial Aspects
(1L, 4LB)(3CR) This course addresses acute and chronic psychosocial dysfunction conditions and occupational therapy's role in providing service. Various developmental concerns and mental health settings are discussed. The OTA's role in interventions is presented including theory, evaluation, treatment planning and intervention. Psychosocial issues in physical dysfunction are also explored.
Prerequisites: COTA 2200, COTA 2300, COTA 2310, COTA 2420, and PSYC 1000.
Taken concurrently with COTA 2210 and COTA 2320.

COTA 2150 - Group Dynamics
(2LB)(1CR) This course is designed to develop effective interpersonal communication to prepare students for professional/patient interactions in clinical practice and the engagement of therapeutic use of self. An emphasis is placed on the development of basic listening skills, providing meaningful feedback, and group membership skills. This course provides an environment, which promotes sharing of ideas, attitudes and feelings, peer feedback and support of group members.
Prerequisites: Admission into the OTA program, or permission of the OTA program director.

COTA 2160 - Leadership Skills
(4LB)(2CR) This course promotes effective interpersonal communication for group and professional leadership, evaluation of self and others, and therapeutic-use of-self techniques necessary for effective occupational therapy service provision. Group leadership and interactive skills are practiced along with activity analysis, adapting and grading of group activities.
Prerequisites: COTA 2150, COTA 2200, COTA 2300, COTA 2310, COTA 2420.
Taken concurrently with COTA 2100 and COTA 2210.

COTA 2200 - Therapeutic Approaches and Media I
(4LB)(2CR) Exploration of a variety of media and therapeutic approaches for special needs populations. Activity analysis and adaptation of activities are practiced extensively. Types of activities explored include play, education, daily living skills, social participation, work and leisure. Use of the Occupational Therapy Practice Framework is introduced and applied to practice.

COTA 2210 - Therapeutic Approaches and Media II
(4LB)(2CR) Continuation of implementation of the Occupational Therapy Practice Framework. A variety of media will be explored for implementation with psychosocial and pediatric populations. Activity analysis, adapting, and grading of interventions for therapeutic application for these populations is the focus of this class.
Prerequisites: COTA 2020, COTA 2200, COTA 2300, COTA 2310, COTA 2420.
Taken concurrently with COTA 2100 and COTA 2350.

COTA 2220 - Therapeutic Approaches and Media III
(6LB)(3CR) This course continues the exploration of service implementation for the occupational therapy assistant in the physical disabilities settings. Areas studied include daily living skills, work, leisure, education, and social participation. Techniques applied in physical disabilities settings are practiced.
Prerequisites: COTA 2020, COTA 2200, COTA 2210, COTA 2300, COTA 2310, COTA 2320, COTA 2350, and COTA 2420.
Taken concurrently with COTA 2330 and COTA 2400.

COTA 2300 - Fieldwork Integration I
(4LB)(2CR) An introduction to the role of working with special needs populations in the community. The role and professional expectations of occupational therapy assistants are introduced. This course provides fieldwork preparation integrated with classroom discussions. Students will complete 20 hours of clinical experience. Beginning knowledge of medical terminology is studied.

COTA 2310 - Fieldwork Integration II
(2LB)(1CR) A continuation of pre-fieldwork course work and beginning preparation for Level I fieldwork. Primary focus on professional skills in community experiences and with special needs populations. Begin clinical documentation for OTA practitioner.
Prerequisites: COTA 2300.

COTA 2320 - Fieldwork Integration III
(2LB)(1CR) Designed to prepare students for Level I and II fieldwork experiences. Students will complete Level I fieldwork in psychosocial and pediatric settings. Continuation of documentation concepts.
Prerequisites: COTA 2020, COTA 2300, COTA 2310, and COTA 2420.
Taken concurrently with COTA 2100 and COTA 2350.

COTA 2330 - Fieldwork Integration IV
(2LB)(1CR) A continuation of clinical readiness skills. Includes Level I experiences in developmental disabilities, physical disabilities and geriatric settings as well as preparation for Level II experiences. Clinical reasoning skills for transition from student to practitioner are an integral part of the course.
Prerequisites: COTA 2020, COTA 2100, COTA 2200, COTA 2300, COTA 2310, COTA 2320, COTA 2350, and COTA 2420.
Taken concurrently with COTA 2220 and COTA 2400.

COTA 2350 - Clinical Theory and Practice I
(1L, 4LB)(3CR) Course examines occupational therapy theory and practice for individuals aged birth through 21 with a focus on physical disabilities and developmental dysfunction. Explores implementation of occupational therapy in a variety of settings including theory, assessment, planning treatment plan and intervention.
Prerequisites: COTA 2020, 2050, COTA 2200, COTA 2300, COTA 2310, and COTA 2420.
Taken concurrently with COTA 2210 and COTA 2320.

COTA 2400 - Clinical Theory and Practice II
(1L, 4LB)(3CR) Course examines occupational theory and practice for individuals over the age of 21 with a focus on physical disabilities, neurological impairment and aging dysfunction. Explores implementation of occupational therapy including theory, assessment, treatment planning and implementation, in a variety of settings.
Prerequisites: COTA 2020, COTA 2200, COTA 2210, COTA 2300, COTA 2310, COTA 2320, COTA 2350, and COTA 2420.
Taken concurrently with COTA 2220 and COTA 2330.

COTA 2420 - Clinical Conditions
(2L, 2LB)(3CR) Specific diagnoses commonly seen by the occupational therapists are examined and application of occupational therapy techniques and theory are discussed.
Prerequisites: Admission into the OTA Program or permission of the OTA Program Director and ZOO 2040, ZOO 2041, and KIN 2050.

COTA 2450 - Health Care Systems
(2L, 2LB)(3CR) Course provides exploration of the health care system and the delivery of occupational therapy services. Topics include: reimbursement, team concepts in health care, the role of the OTA within the OT department and health care environments, levels of authority and responsibility, and familiarity with alternative health care choices.
Prerequisites: COTA 2020, COTA 2100, COTA 2150, COTA 2160, COTA 2200, COTA 2210, COTA 2300, COTA 2310, COTA 2320, COTA 2350, and COTA 2420.

COTA 2500 - Fieldwork A
(3CR) First of two Level II fieldwork placements. Eight weeks of fieldwork in contracted facility. Includes a minimum of 40 hours a week of on-site skill practice. On-line integration of learning experiences with instructor and class members is expected.
Prerequisites: Must have successfully completed all academic course work and Level I fieldwork. (May be taken concurrently with COTA 2550 and/or COTA 2600.)

COTA 2550 - Fieldwork B
(3CR) Second of two Level II fieldwork placements. Eight weeks of fieldwork in contracted facility. Includes a minimum of 40 hours a week of on-site skill practice. On-line integration of learning experiences with instructor and class members is expected.
Prerequisites: Must have successfully completed all academic coursework and COTA 2500. (May be concurrently taken with COTA 2500 and/or COTA 2600.)

COTA 2600 - Fieldwork Options
(2-3CR) Six to eight weeks fieldwork optional for students wishing further specialized training in a particular facility. Length of training to be prearranged with school and clinical setting. On-line integration of learning experiences with instructor and class members is expected.
Prerequisites: Must have successfully completed all academic coursework, Level I fieldwork and COTA 2500 and COTA 2550.
(May be taken concurrently with COTA 2500 and COTA 2550.)

COTA 2975 - Independent Study in OT
(1-3CR) (Max. 6) This course provides occupational therapy assistant students the opportunities to complete independent research/study in areas of interest within the field of occupational therapy.
Prerequisites: Permission of the instructor.

CRMJ 1040 - Spanish for Emergency Responders
(3L)(3CR) Basic survival Spanish for law enforcement and fire science students.

CRMJ 1700 - Firearms I
(2L, 1LB)(2CR) The first eight weeks of the course involve the moral aspects, legal provisions, safety precautions and restrictions governing the use of firearms, firing handguns, target analysis and range procedures. The second eight weeks provide instruction in basic techniques and skills of handling and properly using handguns. It will also provide for competition in target and practical police course matches. Students must furnish ammunition. Enrollment limited to majors in criminal justice except by permission of the instructor. This is considered to be a vocational skills course and it may not transfer to the University of Wyoming or other four-year institutions offering bachelor degrees in criminal justice.

CRMJ 1705 - Firearms II
(1L, 4LB)(3CR) This course will review range safety procedures and legal issues concerning the use of deadly force by law enforcement officers. In addition, the course will introduce students to more advanced defensive handgun techniques beyond what are taught in CRMJ 1700. Students will also be introduced to skills involving the handling, firing and maintenance of police shotguns, semi-automatic patrol rifles, and precision rifles. Students must furnish ammunition, ear and eye protection and pay an access fee for use of the shooting range. This is considered to be a vocational skills course and it may not transfer to the University of Wyoming or other four-year institutions offering bachelor degrees in criminal justice. Enrollment limited to majors in criminal justice or by permission of the instructor.
Prerequisites: CRMJ 1700.

CRMJ 2005 - Introduction to Automated Fingerprint Identification Systems
(.5L, 1LB)(1CR) Exploration of areas of contention, which occur within the criminal justice system in America today. To include such topics as bail, plea-bargaining, Supreme Court decisions of a controversial nature, police discretion, and others.
Prerequisites: Permission of the instructor.

CRMJ 2120 - Introduction to Criminal Justice
(3L)(3CR) [E] The agencies and processes involved in the criminal justice system legislature, the police, the prosecutor, the public defender, the courts, and corrections. An analysis of the roles and problems of law enforcement in a democratic society with an emphasis upon inter-component relations and checks and balances.

CRMJ 2130 - Criminal Investigation I
(3L)(3CR) Theory of criminal investigation: relations of the detective with other law enforcement divisions, modus operandi, sources of information, surveillance, personal identification, interrogation, preliminary and

follow-up investigations, collection and preservation of evidence. Enrollment limited to majors in law enforcement except by permission of the instructor.

CRMJ 2210 - Criminal Law I
(3L)(3CR) [E] Comparative study of criminal laws; origins of laws; review of Wyoming criminal laws and procedures; elements of a crime; parties to a crime; elements of specific crimes; arrest, jurisdiction of criminal courts and criminal procedures. (Spring semester.)
Prerequisites: Completion of, or concurrent enrollment in CRMJ 2120.

CRMJ 2230 - Law of Evidence
(3L)(3CR) Leading rules and principles of exclusion and selection, burden of proof, nature and effect of presumptions, proof of authenticity, and contents of writings; examination, competency, and privilege of witnesses. (Fall semester.)
Prerequisites: CRMJ 2120.

CRMJ 2250 - Police Administration
(3L)(3CR) Principles of organization and management as applied to law enforcement agencies. Theoretical and practical aspects of management factors such as organizations, decision-making, values, human relations, and power.
Prerequisites: CRMJ 2120, or permission of the instructor.

CRMJ 2280 - Criminal Procedure
(3L)(3CR) This course will familiarize the student with the state of Wyoming and federal criminal process. The fourth, fifth, sixth, and fourteenth amendments to the United States Constitution will be emphasized, along with applicable Supreme Court cases. The laws of arrest, search, seizure, pretrial identification procedures and confessions will be studied. An overview of the criminal court system as it relates to individual rights protected under the Constitution and key Supreme Court holdings will be taught.

CRMJ 2350 - Introduction to Corrections
(3L)(3CR) A general overview of the correctional process describing the history and evolution of the American corrections system. This course covers all aspects of institutional and community-based corrections. Meets only in spring semester of even-numbered years.

CRMJ 2380 - Probation and Parole
(3L)(3CR) Introduces students to the concepts and practices of community alternatives to incarceration. Includes both adult and juvenile probation and parole as well as community corrections centers and halfway houses. Will investigate legal requirements and aspects of community-based corrections.

CRMJ 2430 - The Community and the Police
(3L)(3CR) The course delves into the areas of police professionalism and the concept of community relations. Areas discussed will include use of power, prejudice, race relations, civil rights, police political relations and police media relations.
Prerequisites: CRMJ 2120, or permission of the instructor.

CRMJ 2490 - Topics: (Subtitle)
(1-3L)(1-3CR) (Max. 6) Offered in answer to specific need or public interest. A student may repeat this course twice under different subtitles to a maximum of six credit hours.
Prerequisites: There are no prerequisites for this course; however, college level reading and writing abilities are presumed. Students with an SCT English score below 18 or a Compass writing-skills score below 75 may want to complete ENGL 0800 before taking this course.

CRMJ 2570 - Criminalistics
(2L, 2LB)(3CR) This course will delve into the aspects of crime scene management. From the first initial contact with the crime scene, the student will learn to gather physical evidence, document, photograph, and diagram the scene to scale. They will identify fibers, hairs, paints, tool markings, fingerprints and other impressions. We will also look into what the future holds in the area of crime scene management.

CRMJ 2895 - Capstone Directed Studies in Criminal Justice
(1CR) This capstone course is the conclusion of the student's criminal justice academic experience and is the final course completed by students in the Criminal Justice Associate of Arts (A.A.) degree or the Criminal Justice Associate of Applied Science (A.A.S.) degree. The course is designed to assess the student's understanding of the Criminal Justice System and his/her readiness to become employed by a criminal justice agency.
Prerequisites: All major requirements or concurrent enrollment in any remaining major requirement courses and permission of the instructor.

CRMJ 2965 - Directed Studies in Criminal Justice
(1-3CR) (Max. 6) Faculty-guided research in an area of mutual interest to the student and instructor within the law enforcement or corrections major.

CRMJ 2970 - Criminal Justice Internship
(*1-3CR) (Max. 3) *Thirty hours of participation per credit hour. This course will place a student in a criminal justice agency for a few hours per week for one semester as an observer. It will afford the pre-service student the opportunity to observe the workings of the criminal justice system, and the in-service student an opportunity to work in a collateral criminal justice agency.
Prerequisites: Sophomore standing and permission of the instructor.

CRMJ 2980 - Cooperative Work Experience (Law Enforcement)
(*2- 3CR) *(see "unit of study") Supervised work and project experience for the purpose of increasing student understanding of law enforcement problems and procedures. Supervision is provided by both the instructional staff of the college and the cooperating agencies. Analysis and reports of student's performance; regular group meetings. Enrollment limited to majors in law enforcement with sophomore standing except by permission of the instructor.

CROP 2200 - Forage Crop Science
(3L, 2LB)(4CR) This course provides a comprehensive introduction to the biology, propagation and management of forage and farm crop plants. Many topics (e.g., plant ecophysiology, cropping practices in agro ecosystems, plant genetic improvement) will be covered.

CSCO 2000 - Beginning Internetworking
(3L)(3CR) This class focuses solely on networking fundamentals and is not specific to Cisco products or technologies. Student learning will include an understanding of the OSI networking model, networking components, premises wiring, industry standards, networking topologies and designs, and professional practices. Project learning experiences will include designing networks and the installation of network premises cabling.

CSCO 2010 - Advanced Internetworking I
(2L, 2LB)(3CR) This course is the second semester of a four semester CCNA (Cisco Certified Network Associate) certification based training program. This class focuses on router configuration and applying the networking principles outlined in CSCO 2000 to real world situations. Specific topics include router components and features, intermediate IP addressing, routing protocols, router modes and functions, access control lists and network design.

CSCO 2020 - Advanced Internetworking II
(4L)(4CR) This course is the third and fourth semesters of a four semester CCNA (Cisco Certified Network Associate) certification based training program. This class focuses on the application of advanced routing protocols such as OSPF and EIGRP, advanced IP addressing, LAN switching and VLAN design, and the configuration of wide area network access using the point-to-point protocol (PPP), ISDN, and frame relay.
Prerequisites: CSCO 2010.

CSCO 2035 - CCNA Certification Exam Review
(1L)(1CR) This course will be a thorough review of the Cisco CCNA Certification Exam requirements. Using lectures, flash cards and electronic testing, students will be presented with a complete outline of exam requirements and will be able to accurately gauge their level of preparedness to take the exam.
Prerequisites: None (should be preparing to sit for the CCNA Exam)

CSEC 1500 - Network Security Fundamentals
(2L, 2LB)(3CR) This course examines current standards for information security through examination of security technologies, methodologies and best practices. Topics include evaluations of security models, risk assessment, threat analysis, attack types, encryption technologies, organizational technology, security implementation, disaster recovery planning, and security policy formulation and implementation.
Prerequisites: CSEC 1505.

CSEC 1505 - Networking Essentials
(3L)(3CR) This course provides in-depth knowledge of networking and telecommunications technologies, hardware, and software, emphasizing underlying technologies and protocols. Students will have both the knowledge and hands-on skills necessary to work with network operating systems in a network environment. This course focuses on troubleshooting and not on an exam. Design topics include wired and wireless architectures; topologies, models, standards and protocols; and operation of bridges, routers, switches, and gateways.

CSEC 1510 - Network Defense Principles
(2L, 2LB)(3CR) This course introduces students to the various methodologies used for attacking a network. Students are introduced to the concepts, principles and techniques, supplemented by hands-on exercises for attacking and disabling a network. These methodologies are presented within the context of properly securing the network. Students are provided with updated security resources that describe new vulnerabilities and innovative ways to protect networks by using the skills and tools of an ethical hacker.
Prerequisites: CSEC 1500.

CSEC 1530 - Computer Forensics
(2L, 2LB)(3CR) The universal use of technology in every aspect of our lives has provided the need for the recovery of evidence in a digital format. In today's technology driven world most crimes and civil disputes involve the use of some form of a digital device. This course is designed to teach students how to perform computer crime investigations by identifying, collecting and maintaining digital artifacts to preserve their reliability for admission as evidence.

CULA 2050 - Culinary Food Production I
(1L, 6LB)(4CR) This course will teach students basic culinary skills which will include: basic kitchen safety and sanitation, knife skills, stocks and soups, mother sauces, small sauces and modern sauces, basic meat fabrication, basic dressings: vinaigrettes and marinades, grains and pastas, and breakfast cookery.

DANC 1015 - Introduction to Dance
(2L)(2CR) This course will take a look at the formation of genres within dance history. It will be an overview of the beginnings of modern dance, ballet, jazz dance, and tap dance.

DANC 1210 - Dance Ensemble I
(3LB)(1CR)(Max 2CR) This class covers technique and performance focusing specifically on technique skills and performing at an intermediate level (various styles and genres). This class can be repeated up to two times with a total of two credits.
Prerequisites: Permission of the instructor and previous dance experience.

DANC 1300 - Dance Improvisation I
(2LB)(1CR) This course will investigate improvisation in dance at the beginning level. It will incorporate improvisational exercises that will lead to short phrase work.

DANC 1320 - Dance Improvisation II
(2LB)(1CR) This course will investigate improvisation in dance at the intermediate level and really allow the student to explore movement connected to emotional output and with musical enhancement. This course will also help the student/dancer to understand musical meter and tempo varieties within an improvisational exercise. In addition there will be game playing that will open the world of improvisation wider. It will incorporate improvisational exercises that will lead to phrase work.

DANC 1401 - Modern Dance 1A
(3LB)(1CR) This course is an introduction to the principles and techniques of modern dance. Dancers will focus on technique, terminology and the execution of the basic steps, as well as the discovery of movement in space and time. This class will serve the student as a study in exploration of the basic ideas of modern dance.
Cross-listed: PEAC 1401

DANC 1410 - Ballet I
(3LB)(1CR) [E] This course will emphasize the fundamentals of ballet. Will focus on technique, terminology, and the execution of the basic steps.

DANC 1420 - Ballet II
(4.5LB)(2CR) (Max 4CR) [E] A continuing course in the principles and techniques of classical ballet. Emphasis is placed on the continuation of broadening the dancer's movement vocabulary while refining acquired technical skills.
This course can be repeated once.
Prerequisites: DANC 1410 in good standing, or permission of the instructor.

DANC 1425 - Ballet Studies
(3LB)(1CR) This course will emphasize various areas of ballet techniques. There will be in-depth focus on specific skills found in the genre of ballet. Previous ballet experience required.

DANC 1430 - Modern Dance I
(3LB)(1CR) [E] This course will be a continuation of study in the principles and techniques of modern dance. Dancers will focus on linking technique with terminology and execute combinations made up of the basic-intermediate steps, as well as the continued discovery of movement in space and time.
Prerequisites: DANC 1401/PEAC 1401

DANC 1440 - Modern Dance II
(4LB)(2CR) [E] A second level course covering the principles and techniques of modern dance. This course will expose the students to deeper investigation to various techniques of modern dance including but not limited to Horton, Ailey, Cunningham, Graham, and Humphrey/Limon.
Prerequisites: DANC 1430, or permission of the instructor.

DANC 1450 - Beginning Tap Dance
(3LB)(1CR) [E] This course will emphasize the fundamentals of tap dance. Will focus on technique, terminology, and the execution of the basic steps.

DANC 1480 - Jazz I
(3LB)(1CR) [E] This course will emphasize the fundamentals of jazz dance. It will focus on technique, terminology, and the execution of the basic jazz steps.

DANC 1500 - Dance Performance
(2-4LB) (1-2CR) [E] (Max. 5) Individually supervised practical training in performance and production during the rehearsal and performance of the fall and spring productions of the dance concert. Open entry.
Prerequisites: permission of the instructor.

DANC 2200 - Backgrounds of Dance
(3L)(3CR) [E] A survey of ethnic and theatrical dance forms from primal society to the 20th century. The course examines the place of the arts as a reflection of the culture. The course emphasizes dance from a global point-of-view and includes a look at social dances as well as the performance dances.
Prerequisites: ENGL 1010, DANC 1015, or permission of the instructor.

DANC 2210 - Dance Ensemble II
(3LB)(1CR) (Max. 2) [E] This class covers technique and performance focusing specifically on technique skills and performing at an advanced level (various styles and genres).
This class can be repeated up to once for a total of 2 credits
Prerequisites: permission of the instructor and previous dance experience.

DANC 2212 - Beginning Composition
(1L, 2LB)(2CR) This course is a beginning level composition course that will give the student various exercises in which to better understand choreography and its principles. The student will explore ways in which to make a dance with a completed beginning, middle, and end.

DANC 2215 - Intermediate Dance Composition
(2L, 2LB)(3CR) This course further develops the student's abilities to compose and choreograph their own ideas into dance works. The student will develop a better understanding of choreographic skill through short assignments and full works.
Prerequisites: DANC 1440, DANC 2212, or permission of the instructor.

DANC 2410 - Ballet II/I
(5LB)(2CR) [E] A continuing course in the principles of classical ballet. Emphasis is placed on continuing to broaden the dancer's movement vocabulary while refining acquired technical skills. Pointe work will be started with those students who are ready along with partnering skills, more advanced Barre and Centre skills, including Tours and Beats.
Prerequisites: Successful completion of DANC 1420.

DANC 2420 - Ballet II/II
(5LB)(2CR) A continuing course in the principles and techniques of classical ballet. Emphasis is placed on refining the dancer's movement vocabulary while increasing the level of difficulty of acquired technical skills. Dancers will continue in both partnering and Pointe work. Ballet conditioning will be a part of every class.
Prerequisites: Successful completion of DANC 2410.

DANC 2430 - Modern Dance II/I
(4LB)(2CR) A third level course covering the principles and techniques of modern dance. This course will continue to look at Post-modern techniques/styles and be a link from the historical modern dance to the contemporary explorations and modern dance trends.
Prerequisites: DANC 1440, or permission of the instructor.

DANC 2450 - Tap II
(3LB)(1CR) This course will review the basic tap steps and then move on to more intermediate rhythms, clarification of sounds and more complicated footwork.
Prerequisites: DANC 1450, or permission of the instructor.

DANC 2480 - Jazz II
(3LB)(1CR) [E] A second level course furthering the student's knowledge of jazz dance and its origins. Dancers will focus on techniques, terminology, and the execution of jazz steps from the intermediate to the advanced level.
Prerequisites: DANC 1480, or permission of the instructor.

DANC 2490 - Topics: (Subtitle)
(1-3L)(1-3CR) Offered in answer to specific need or public interest, especially seminars with visiting guest artists.

DESL 1540 - Heavy Duty Electrical Systems
(2L, 2LB)(3CR) Introductory course to electrical systems used in heavy diesel engines. Course will cover fundamental electrical quantities, components and basic circuits. Additional content will cover heavy diesel engine electrical systems.

DESL 1580 - Power Train, Braking, and Steering
(3L)(3CR) (5 weeks) Manual clutches, drive lines, manual transmissions, and final drive units.

DESL 1600 - Diesel Engines
(2L, 2LB)(3CR) Introductory course covers medium to heavy diesel engines. The course is intended to provide an overview of engine construction, fuel systems and general maintenance.

DESL 1605 - Basic Diesel Engine
(6L, 6LB)(9CR) This course covers disassembly procedures, evaluating serviceability of components, preparing the engine block for overhaul; the assembly procedure for crankshafts, bearings, pistons, seals, and valve train; the servicing of cylinder heads including valve grinding and seating; bolt torqueing, timing, and run-in checks. The course will also cover basic fuel systems, fuel pumps, injectors, and evaluating system failure. Course is designed to cover the principles and service procedures for the diesel engine and equipment pertinent to the diesel engine industry.

DESL 1607 - Basic Diesel Engine II
(6L, 6LB)(9CR) This course is an extension of the Basic Diesel Engine course. Students will be more involved with engine components, fuel systems, and associated systems.

DESL 1610 - Engine Rebuilding I
(4L, 10LB)(9CR) (10 weeks) Disassembly procedures, evaluating serviceability of components, preparing the engine block for overhaul; the assembly procedure for crankshafts, bearings, pistons, seals, and valve train; the servicing of cylinder heads including valve grinding and seating; bolt torqueing, timing, and run-in checks.

DESL 1620 - Engine Rebuilding II
(3L, 12LB)(9CR) (5 weeks Lec, 15 weeks Lab) Live engines and drive-in work are used for instruction. The students make up the estimates and deal with the customer directly. Students are evaluated on their ability to handle the entire operation from meeting the customer to unit performance on completion.
Prerequisites: DESL 1610.

DESL 1650 - Diesel Fuel Systems and Tuning I
(3L, 4LB)(5CR) (5 weeks) Basic fuel systems, fuel pumps, injectors, and evaluating system failure.
Prerequisites: DESL 1610.

DESL 1660 - Diesel Fuel Systems and Tuning II
(3L)(3CR) (5 weeks) Air induction systems, injector and fuel pump operations. Troubleshooting and electronic fuel controls.

DESL 1680 - Natural Gas Engine Technology
(6L, 9LB)(10.5CR) Course is designed to cover the principles and service procedures for the natural gas engine and equipment pertinent to the natural gas industry. Course will cover fuels, ignition systems, combustion, lean combustion theory, exhaust gas analysis, lubrication systems, cooling systems, mounting and alignment, and gas compression concepts.
Prerequisites: DESL 1605 or DESL 1610.

DESL 1850 - Basic Hydraulics
(2L, 2LB)(3CR) Principles of hydraulic systems and components used in mobile equipment. Factors of consideration in the selection, installation, operation, and maintenance of hydraulic systems.

DESL 1980 - Co-op Work Experience (Diesel)
(1-8CR) (Max. 8): 8 hours/week for 16 weeks - Total 128 hours. Designed to give students hands-on training in diesel equipment maintenance and repair in a production shop setting. A student working for an employer is responsible for employment verification and documentation of hours worked and jobs done. Students staying on campus will meet the training requirements of the department.

ECON 1010 - Principles of Macroeconomics
(3L)(3CR) [E] An introduction to our present mixed capitalistic economic system. Emphasis is on the role of markets, the determination of national output, inflation and unemployment, the banking system, and the economic role of government.

ECON 1020 - Principles of Microeconomics
(3L)(3CR) [E] An introduction to the economics behavior of firms and households in a market economy and the environment in which they operate. Also studies the roles of government and foreign trade, as it relates to the decisions of firms and households.
Prerequisites: Minimum ACT Score of 21, COMPASS Placement Score in the Algebra domain of 40, or a C or better in MATH 0920 or higher in the last two years.

ECON 2400 - Environmental Economics
(3L)(3CR) This is a three-credit introductory course in environmental economics. This course will cover such traditional environmental topics as pollution control, externalities and public lands. Issues of sustainability of the current economic system with respect to fossil fuel use and environmental destruction will be addressed. A balance between theory and institutional background will be presented in this course.
Prerequisites: ECON 1010 and ECON 1020.

ECON 2490 - Topics: (Subtitle)
(1-3L) (1-3CR) Offered in answer to specific need or public interest.

EDCI 1430 - Life Science in the Elementary School
(2LB)(1CR) [E] Covers selection of basic life science concepts, materials and curricula appropriate for elementary school.
Concurrent enrollment: LIFE 1020, or permission of the instructor.

EDCI 1440 - Physical Science in the Elementary School
(2LB)(1CR) [E] Covers selection of basic physical science concepts, materials and curricula appropriate for elementary school. This course parallels the content of PHYS 1090 and should be taken the same semester.

EDCI 1450 - Earth Science in the Elementary School
(2LB)(1CR) [E] Covers selection of basic earth science concepts, materials, and curricula appropriate for elementary school. This course parallels the contents of GEOL 1070.

EDCI 1500 - Introduction to Teaching
(1L)(1CR) This course will provide an overview of the professional expectations of education students. Topics to be addressed will include efolio development, academic program planning, the skills and strategies necessary to proceed successfully through pre-service teacher education and a career in early childhood, elementary and/or secondary education.

EDCI 2050 - Introduction to Outdoor Education
(1L, 4LB)(3CR) This practicum course addresses pedagogies specific to teaching in outdoor settings. Students will teach field science in this outdoor course. Prerequisite: This is a practicum course that includes some classroom and field (outdoor) experiences. Culmination of this course will include an outdoor teaching experience in an on-site camp environment that will be 3-5 days in length. Students should be comfortable walking and teaching in an outdoor environment. This is a companion course to EDUC 2100 ,which should be taken concurrently with or prior to taking this course. This course is intended for secondary science education majors or other students with advisor or instructor approval.

EDCI 2250 - Diversity in Education
(3L)(3CR) This course is designed to introduce students to the conceptualization, design and implementation of a multicultural education that respects and honors diversity as well as promotes national unity.

EDCI 2495 - Workshop (Subtitle)
(1-2CR) Special topics in education offered in response to specific needs or public interest.

EDEC 1020 - Introduction to Early Childhood Education
(3L)(3CR) [E] Introduces the student to the field of early childhood education through lecture discussion, observation, and participation. The student will be exposed to different programs in the community. Topics to be explored include components of quality programs, child development theory, curriculum development, learning environments, classroom management, parent-teacher relationships, importance of play, and teaching as a profession.

EDEC 1030 - Infant and Toddler Care
(2L)(2CR) 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.

EDEC 1035 - Infant and Toddler Care Lab
(2LB)(1CR) 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.
Prerequisites: EDEC 1030 (or concurrent enrollment).

EDEC 1100 - Observation and Guidance of Young Children
(2L)(2CR) Effective methods of observation and guidance to meet the children's needs individually and in groups with an emphasis on promoting a positive and constructive climate in the early childhood setting. Topics include assessments, recording behaviors, planning environments, materials and equipment, scheduling, discipline and parent-teacher communication.
Prerequisites: EDEC 1020, FCSC 2122, PSYC 2300, or permission of the instructor.

EDEC 1105 - Observation and Guidance of Young Children Lab
(2LB)(1CR) Supervised experience in the observation and guidance of young children at an early childhood center. (Spring semester.)
Prerequisites: EDEC 1100 (or concurrent enrollment).

EDEC 1200 - Administration in Early Childhood Programs
(3L)(3CR) Designed to provide students with the opportunity to develop skills in both the business and human relations components of administering centers for young children. Includes procedures in establishing early childhood centers; administrative forms; fiscal management; selection, development, and motivation of staff; parent and community involvement; and program regulations and evaluation. (Fall semester.)
Prerequisites: EDEC 1020, or permission of the instructor.

EDEC 1300 - Curriculum Planning and Development for Young Children
(2L)(2CR) Development of skills in planning, implementing and evaluating developmentally appropriate experiences to encourage intellectual, physical, social, emotional, and creative growth in young children with the focus on the concept of the whole child.
Prerequisites: EDEC 1020, FCSC 2122, PSYC 2300, or permission of the instructor.

EDEC 1305 - Curriculum Planning and Development for Young Children Lab
(2LB)(1CR) Supervised experience in planning, implementing and evaluating curriculum activities at an early childhood center.
Prerequisites: EDEC 1300 or concurrent enrollment.

EDEC 2210 - Student Teaching in Early Childhood Education
(2L, 8LB)(6CR) By actively participating in the care and education of young children in an early childhood program, students should become more proficient in administrative skills, increase their awareness of contemporary issues in early childhood, and demonstrate a high level of competence as a head teacher. Students will serve in directed field experience; one eight hour day per week for a total of 120 clock hours. Students will also serve 30 hours in seminar during the semester. Enrollment is limited to majors in early childhood education except by permission of the instructor.
Prerequisites: EDEC 1100 and EDEC 1105, EDEC 1300 and EDEC 1305, or permission of the instructor.

EDEL 1410 - Theory I Seminar: Education
(1L)(1CR) This seminar is a hands-on application course designed to accompany and enhance MATH 1100 - Number and Operations for Elementary School Teachers. This is a required course for all prospective elementary teachers.
Prerequisites: Concurrent enrollment in MATH 1100.

EDEL 2010 - Mentoring in Education
(1-2CR) This course will focus on specific teaching techniques and strategies utilized when mentoring third, fourth and fifth grade elementary students. Students in this course will also reflect upon strategies to continually improve teaching techniques. This course is associated with the Help Yourself Academy, an afterschool program designed to offer students the opportunity to focus on a math and science curriculum.
Prerequisites: Permission of any Education Faculty Member required.

EDEL 2410 - Theory II Seminar: Education
(1L)(1CR) This seminar is a hands-on application course designed to accompany and enhance MATH 2120 - Geometry and Measurement for Elementary School Teachers. This is a required course for all prospective elementary teachers.
Prerequisites: Concurrent enrollment in MATH 2120.

EDEX 2484 - Introduction to Special Education
(3L)(3CR) [E] This course is designed to meet the needs of education majors for a required course in special education. It provides a broad overview of effective intervention models of instruction 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. Finally, this class would be helpful for individuals in other fields who need an introduction to the field of special education.
Prerequisites: EDFD 2020, ITEC 2360 and PSYC 2300.

EDFD 2020 - Foundations of Education
(3L)(3CR) [E] A foundations course designed to provide a general survey of educational thought and practice. Emphasis is given to critical thinking about numerous educational points of view.
Prerequisites: ENGL 1010, or permission of the instructor.

EDFD 2100 - Educational Psychology
(3L)(3CR) [E] Provides an overview of the field of educational psychology, its theoretical bases, and classroom application to the teaching-learning process and examines research design in education.
Prerequisites: EDFD 2020 and PSYC 2300.

EDUC 2100 - Public School Practicum
(2L, 4LB)(4CR) [E] This course is for prospective educators and a capstone course for education majors at the sophomore level. Students will participate in a practicum experience in a public-accredited school under the supervision of a certified mentor teacher for a minimum of 60 hours. Students will also attend one weekly 110-minute class session. Electronic portfolios are used extensively in this course to demonstrate student proficiencies in content knowledge, skills and preparation to be an effective teacher. Assignments, projects, and classroom experiences are aligned with NCATE accreditation and InTASC standards. Students enrolled in this course must be 18 years of age or older.
Prerequisites: EDFD 2020, ITEC 2360 and PSYC 2300.

ELTR 1010 - Personal Computer Hardware
(1L)(1CR) An introduction to the basic hardware common to past and current types of IBM compatible personal computers.

ELTR 1515 - Basic AC/DC Electronics
(2L, 2LB)(3CR) Groundwork in electrical fundamentals needed for an understanding of modern electronics.
Prerequisites: High school mathematics or work experience.

ELTR 1535 - Electrical Power
(2L, 2LB)(3CR) Fundamentals of AC electrical machines and transformers. Topics covered are electromagnetism, transformers, AC motors and motor control.
Prerequisites: Completion of ELTR 1515 or ELTR 1570, or permission of the instructor.

ELTR 1545 - Utility Locator Certification
(1.5L, 1LB)(2CR) Fundamentals of underground utility location will be covered. This will include the methods used to change the transmitter current levels, change the shape of the magnetic field, how to measure the magnetic field with the receiver, and how to produce a round magnetic field and verify depth. Successful completion of this course will result in certification as an underground utility locator.

ELTR 1565 - Semiconductors and Electric Circuits
(1L, 2LB)(2CR) Fundamentals of electronics. A continuation of ELTR 1515 with emphasis on semiconductors, diodes, SCRs, triacs, diacs, transistors, fets, and integrated circuits.

ELTR 1570 - Electric Circuits
(4L)(4CR) Fundamentals of DC and AC circuit analysis, electromagnetics, and single-phase transformers.
Prerequisites: ACT score of 19 (or Compass score 45) or higher; completion or concurrent enrollment in ELTR 1620 or permission of the instructor.

ELTR 1580 - Electrical Machines
(3L, 3LB)(4.5CR) Fundamentals of electrical machines and transformers. Topics covered are DC motors and generators, AC alternators, single and three-phase AC motors, and single and three-phase transformer connections.
Prerequisites: ELTR 1570, or permission of the instructor.

ELTR 1605 - Process Control
(2L, 2LB)(3CR) Fundamentals of process control systems using PID control. Students will control single and multivariable processes and calibrate sensors. Other topics include valve actuators and industrial data communications.
Prerequisites: Completion or concurrent enrollment in ELTR 1515 or ELTR 1570, or permission of the instructor.
Cross-listed: PTEC 1605

ELTR 1620 - Electrical Concepts Laboratory
(3LB)(1.5CR) An introductory laboratory course for electronics technicians. Emphasizes analysis and troubleshooting of simple AC and DC circuits. Additional topics covered include magnetism and electromagnetism.
Prerequisites: Completion of or concurrent enrollment in ELTR 1570.

ELTR 1630 - Renewable Energy
(2L)(2CR) An examination of wind and solar energy systems as electrical power sources to residential or small commercial buildings. The course will offer information on how to select a system for buildings connected to the power company and for remote buildings without any electrical power.

ELTR 1645 - Accelerated Utility Locator Certification
(1.5L)(1.5CR) This course is designed for utility locators that have two years or more of utility locating experience. The course will cover the fundamentals of utility locating, practical demonstrations of concepts covered in the lectures, Wyoming state law for utility locating, and the federal law for utility locating. Successful completion of this course will result in certification as an underground utility locator.

ELTR 1700 - Introduction to Solid State Electronics
(2L, 4LB)(4CR) Fundamentals of semiconductor electronics circuits. Transistor structure, measurement of transistor parameters, transistor biasing, audio and radio frequency amplifiers, and power supplies. Experiments are designed to assist the student to become cognizant of trends in this rapidly developing technology
Prerequisites: ELTR 1570, or permission of the instructor.

ELTR 1730 - Language for Microprocessor Control Systems I
(2L)(2CR) Basic languages with application to their usage in microprocessor control systems. Students will be given an opportunity to apply their knowledge through laboratory experiments using the department's 80386 MS-DOS microprocessor system.

ELTR 1745 - Utility Locator Recertification
(.5L)(.5CR) Review of the basic theory for utility locating, Wyoming state law for utility locators, and a hands-on practical test for recertification. Successful completion of this course will result in recertification as an Underground Utility Locator through Staking University.

ELTR 1750 - Electronic Design and Fabrication
(1L, 2LB)(2CR) A course using industrial processes to design and fabricate electronic circuitry. Topics include soldering, computer-generated schematics, computer-designed PC boards, industrial etching processes, and sheet metal fabrication.

ELTR 1760 - Introduction to Digital Electronics
(3L, 3LB)(4.5CR) Logic circuits associated with the control and operation of a digital computer. Application of the specific logic circuits through selected laboratory experiments.

ELTR 1770 - Microprocessor Fundamentals
(3L, 3LB)(4.5CR) Microprocessors, their architecture, language, and capabilities. Students will have an opportunity to work with those that are most commonly used in industry and will be expected to develop individual projects in addition to the required laboratory experiments.

ELTR 1980 - Cooperative Work Experience (Electronics)
(Max. 8) (1-8CR) (Max. 8) On-the-job training with a cooperative industrial or commercial electronics maintenance, fabrication or service facility. Eighty hours of work per semester earns one hour of credit.
Prerequisites: Permission of the instructor.

ELTR 2145 - Electronic Digital Photography
(1L, 2LB)(2CR) Basic techniques of electronic-digital photography with an overview of the hardware and software needed to acquire, store, retouch, and print digital and hybrid photographs.

ELTR 2515 - Licensing for Electronics
(1L)(1CR) This course is for electronic, electrical, industrial and educational technicians who need to be certified. The course will focus on the FCC, Certified Electronics Technician, and other national certification exams.

ELTR 2580 - Motor and Process Control
(2L, 4LB)(4CR) The study of electronics in industrial applications: industrial motor control devices, digital interface circuitry for microprocessor control, industrial process control, transducer sensing devices, telemetry and data communications.
Prerequisites: ELTR 1515 or ELTR 1700, or permission of the instructor.

ELTR 2600 - Electronic Communication
(3L, 3LB)(4.5CR) Emphasis on radio receivers and transmitters, antennas, amplitude and frequency modulation FM stereo multiplex circuits, and FM radios.
Prerequisites: ELTR 1515 or ELTR 1570 or permission of instructor.

ELTR 2610 - Advanced Microprocessors
(2L, 2LB)(3CR) Microcontrollers and a variety of peripheral devices will be used to demonstrate common applications. Basic C programming will be used for communications, troubleshooting, and maintenance. Project based work with a variety of microcontrollers, sensors, lighting systems, displays, and motors will be used to learn concepts.
Prerequisites: ELTR 1770, or permission of the instructor.

ELTR 2750 - Microprocessor Applications
(3L, 3LB)(4.5CR) Application of the microprocessor to complex process control, including the use of the MS-DOS operating system, assembly language program implementation, signal conditioning, sensors and DA/AD conversion techniques. The student will be expected to develop and demonstrate individual projects in addition to the required laboratory experiments.
Prerequisites: ELTR 1770, or permission of the instructor.

ELTR 2815 - Programmable Logic Controllers
(2L, 4LB)(4CR) Assembly, programming and troubleshooting programmable logic controllers in industrial processes. This course will include variable frequency drives, robotics and data communications.
Prerequisites: Completion of ELTR 1515 or ELTR 1570 or permission of the instructor.

ELTR 2870 - CCD Cameras and Security Systems
(1L, 2LB)(2CR) This course will cover the construction and use of charged coupled device (CCD) camera sensors, which are used in digital cameras, machine vision cameras, and surveillance cameras. Other areas covered will be lighting, image acquisition and storage, surveillance systems and security cameras.
Prerequisites: ELTR 1570 or permission of the instructor.

ELTR 2910 - Computer Networking
(1L, 2LB)(2CR) Introduction into the technical aspects of local area networks. The curriculum will include local area network theory and practices, software installation and maintenance, hardware installation, cable connections and system troubleshooting.

ELTR 2920 - Small Computer Repair Techniques
(2L, 2LB)(3CR) Techniques used to install and maintain microcomputers. Emphasis will be on basic computer trouble-shooting techniques, both at the system and board level with representative small computer systems. Mass storage

techniques for small systems, their strong and weak points and repair. Basic Internet connectivity via both modems and NICs will also be covered.

ELTR 2925 - Fiber Optics
(2L, 4LB)(4CR) Fundamentals of light-wave communications and transmission. Includes the fundamentals of light, light sources, optical fiber characteristics, splices, connectors, couplers, receiver, and driver systems. System maintenance and splicing will be stressed. Safety procedures will be stressed throughout the course of instruction.

ELTR 2935 - Electronics Workshop II
(1L, 2LB)(2CR) This course is for industrial personnel, electrical, electronic, and science instructors who need to upgrade their skills in this area. The course will focus on power electronics. Topics covered will include three-phase motors, generators, transformers, and controls, electrical energy and mechanical energy.

ELTR 2945 - Fiber Optic Workshop
(1L, 2LB)(2CR) An introductory course in the use of fiber optic technology as it applies to industry and education. This course is designed to instruct representatives from industry and secondary education in the area of fiber optics.

ELTR 2975 - Independent Study in Electronics
(1-3CR) (Max. 6) Electronics majors who have completed the introductory courses may be permitted to contract with the instructor for special advanced problems in electrical applications to be pursued as independent study. Prerequisite: sophomore standing and permission of the instructor.

EMGT 1500 - Principles of Emergency Management
(2L)(2CR) The basic concepts of emergency management and its integration into government and the private sector. Students will identify hazards and coordinating planning, response and recovery from disasters.

EMGT 1820 - Planning for Terrorism Events
(2L)(2CR) An emergency management course designed to assist local emergency personnel in developing a terrorism plan. By making more professionals capable of planning for and managing the response to a terrorist incident, facilities and jurisdictions will be more self-sufficient. This training will result in greater readiness for population protection and higher quality management of a response.

EMT 1500 - Emergency Medical Technician
(6L, 9LB)(9CR) An entry level education of emergency medical services to prepare the student for a career as an emergency medical technician.
Prerequisite: basic emergency care (Preferred).

EMT 2500 - Advanced Emergency Medical Technician
(6L, 6LB)(8CR) This course is designed to provide the student with an expanded and enhanced knowledge of Emergency Medical Services and how to provide advanced care for the sick and injured. This course follows the current National EMS Education Standard.
Prerequisites: Successful completion of EMT 1500 and permission of instructor.

ENGL 0430 - English Skills
(2-10CR) Open entry, self-paced, individualized instruction in areas of speed reading, vocabulary building, effective listening, spelling improvement, and study skills.
Prerequisites: At least 7th grade reading ability.

ENGL 0490 - Special Topics: (Subtitle)
(1-5CR) Offered in answer to specific need or public interest.

ENGL 0750 - Effective Listening
(2LB)(1CR) Individualized, self-paced instruction in effective listening techniques needed for college lectures and public speeches. Open entry until midterm. S, X, or U grade only.
Prerequisites: A high school level reading ability.

ENGL 0800 - Introduction to College Reading and Writing I
(5L)(5CR) Reading and writing are both processes of composing and are requisites to success in all college courses. This first level developmental English course provides instruction for critical reading and critical thinking skills used to compose a variety of effective writings. Students will have the opportunity to practice writing skills, review grammar and mechanics, read a variety of materials, and learn methods of responding to readings.
Prerequisites: Students should take either the ACT or the Compass exam prior to enrolling in this class. Students who score 12 or below on the ACT or 50 and below on the Compass are enrolled in this course.

ENGL 0850 - Accelerated Writing and Reading
(5L)(5CR) This course will combine the skills learned in ENGL 800 and ENGL 900. Combined writing skills seeks to strengthen the student's writing fluency through a study of selected elements of basic composition. These include grammar, spelling, and punctuation as well as sentence development, paragraph development, and essay development. The course introduces students to different patterns of organization and various types of writings through assigned readings and multiple-draft writing assignments.
Prerequisites: Score of 30-50 on Compass Test or 10-12 on ACT.

ENGL 0900 - Introduction to College Reading and Writing II
(4L)(4CR) Reading and writing are both processes of composing and are requisites to success in ENGL 1010. This upper level developmental English course provides instruction for active reading and critical thinking skills used to compose effective essays. Students will have opportunities to practice a recursive writing process and will be introduced to using outside texts as a way to generate ideas.
Prerequisites: Students must have an ACT English score of 13, a Compass English score of 51, or successfully complete ENGL 0800.

ENGL 1010 - English I: Composition
(3L)(3CR) [E] A study of the fundamentals of purposeful communication in English. The course focuses on reading and writing expository essays, on using effective language for exposition of ideas, and on thinking clearly. Students are to practice synthesizing information, organizing it coherently, and writing clearly.
Prerequisites: Acceptable performance on ACT English (18 or higher), or Compass Writing (75 or higher) or satisfactory (a "C" or better) in ENGL 0850 or ENGL 0900.

ENGL 1020 - English II: Composition
(3L)(3CR) An extension of ENGL 1010. Further refines the student's abilities to gather and synthesize material from independent reading. Students study language both to appreciate its precise control and to interpret the experience of others. College-level essays (including a research paper) and two oral presentations are required.
Prerequisites: A grade of "C" or higher in ENGL 1010.

ENGL 2005 - Technical Writing
(3L)(3CR) This course develops writing styles and techniques, document design and formats, and audiences/readership considerations that are specifically suited to technological and scientific fields of study. The course concludes with a student-directed long form report.
Prerequisites: ENGL 1010 with a "C" or better.

ENGL 2006 - Environmental Literature
(3L)(3CR) Environmental literature is a survey course that will explore the major environmental texts and some of the writers of our time. Students interested in nature writing, literature and environmental politics will appreciate this course. Essay writing and group work will be required to complete this study.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2011 - Literature for Young Adults
(3L)(3CR) This course will be a study of the origin, development, and cultural underpinnings of the field of Young Adult fiction, and an overview of many of the subgenres of the field.
Prerequisites: ENGL 1010.

ENGL 2020 - Introduction to Literature
(3L)(3CR) Introduction to Literature focuses on teaching the specific skills, techniques, and terminology necessary for writing effectively about literature and literary criticism. This course will devote significant time to the discussion of writing and to its application, in addition to engaging students with a variety of readings from a variety of literary periods and movements.
Prerequisites: ENGL 1010
Corequisite: ENGL 1020

ENGL 2045 - Conferencing with Writers
(3L)(3CR) This course covers methodology of one-to-one and one-to-small group writing tutoring. The course introduces writing tutors to the education principles and Writing Center goals underlying common tutoring techniques. Topics addressed are theories of learning, principles of memory, learning styles, successful tutoring techniques, online tutoring, and writing across the curriculum. Writing tutors will observe and participate in tutoring sessions in the Casper College, UW/CC Writing Center. This course is required for, but not restricted to, Writing Center

Staff. Non-Writing Center staff must make arrangements with the director to provide for alternative tutoring situations.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2046 - Conferencing with Writers II
(3L)(3CR) This course is a continuation of ENGL 2045 and covers theories underlying one-to-one and small group responses to writing. The course introduced writing tutors to writing center and peer tutor theories that inform uniformly accepted best practices. Topics addressed are theoretical constructs of collaboration, interpersonal dynamics, responding to students and student texts, and online tutoring. This course is required for, but not restricted to, Writing Center staff. Non-Writing Center staff must make arrangements with the director to provide for alternative tutoring situations.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2050 - Creative Writing: Intro to Fiction
(3L)(3CR) [E] Analysis of the elements of fiction and practice of writing fiction at the introductory and intermediate level.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2055 - Creative Writing: Writing in the Wild
(3L)(3CR) Student-centered, week-long field experience in Yellowstone National Park focuses on reading and writing imaginative verse and prose inspired by nature. Class days are devoted to collecting journal observations during daily hikes, engaging in a variety of writing exercises, and discussing readings and each other's writing. The course culminates in the submission of a writing portfolio.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2060 - Creative Writing: Introduction to Nonfiction
(3L)(3CR) As the enormous popularity of national bestsellers demonstrate, the creative nonfiction genre has far-reaching appeal for the millions of readers. In this course the student will analyze the elements of nonfiction and practice writing nonfiction at the introductory and intermediate level.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2080 - Creative Writing: Introduction to Poetry
(3L)(3CR) [E] Analysis of the forms of poetry, and practice of writing poetry at the introductory and intermediate level.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2130 - Creative Impulse (Twentieth Century Humanities)
(3L)(3CR) [E] Focuses on the visual arts, literature, music, and philosophy of the 20th century. Attention is given to the influence of history upon our culture and the changes in thinking brought about by scientific discovery.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2140 - World Literature I
(3L)(3CR) Exploring literature from a wide array of time periods and language backgrounds, this course examines great works of world literature, ancient and modern. This course also engages themes as explored through various time periods, cultures, and visual genres like cinema and the visual arts. Through discussion and analysis, this course explores the diverse ways that cultures attempt to express themselves through written and artistic expression.
Prerequisites: ENGL 1010. ENGL 1020 recommended.
Cross-listed: (Cross-listed as HUMN 2140.)

ENGL 2145 - War Literature
(3L)(3CR) War stories exist at the nexus of two fundamental human drives: the drive to create, and the drive to destroy. In an effort to better understand these human impulses, students in War Literature will examine a range of texts that deal with complex, multivalent experiences of war. Texts will include letters, poems, stories, songs, speeches, propaganda, and film.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2150 - World Literature II
(3L)(3CR) Although primarily a study of the literature of the Middle Ages and beyond, attention will be paid to the other arts, to religion, and to philosophy. Literary values and the qualities of the greatness of selected works of Western Civilization, including any ideas embodied in those works, will be our focus. We may include works, including modern works, late in the semester.
Prerequisites: ENGL 1010. ENGL 1020 recommended.
Cross-listed: (Cross-listed as HUMN 2150.)

ENGL 2185 - Classical Mythology
(3L)(3CR) Focuses on Greek myth and legend. Included as background are geography, history, excerpts from literature, and theories of interpretation.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2210 - English Literature I
(3L)(3CR) A survey of British literature from the Anglo-Saxons to the 18th century. Emphasis is on reading, discussing, and writing about important works in our literary heritage.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2220 - English Literature II
(3L)(3CR) A survey of British literature from the early 19th century to the modern period. Emphasis is on reading, discussing, and writing about important works in our literary heritage.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2225 - Playing with Shakespeare: Literature in Performance
(4L)(4CR) A fresh look at Shakespeare, aimed at engaging students' interests and increasing their appreciation and enjoyment of his works. Will include study of a variety of different performances. Will examine and respond to the interpretations of actors, directors, and literary critics in order to arrive at a more complete understanding of Shakespeare's plays, both as literature and performance.
Prerequisites: ENGL 1010, or permission of the instructor. ENGL 1020 recommended.
Cross-listed: (Cross-listed as ENGL 2225.)

ENGL 2230 - Introduction to Shakespeare
(3L)(3CR) Students are introduced to the works of Shakespeare through careful reading (and re-reading) of representative major plays and/or sonnets in order to become acquainted with Shakespeare's dramatic and poetical art. Both formal lecture and discussion will cover each reading. From time to time the class will watch tapes of scenes from the plays in order to understand how the plays might be staged and actors interpret roles. In addition to reading between eight and 12 plays and a dozen or so sonnets, students will take mid-term and final objective and essay examinations, report on the interpretation by a major critic (Johnson, Coleridge, Hazlitt, Bradley, Harrison, and so on), and write one short and one extended (possibly research) essay.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2235 - Literature of Horror
(3L)(3CR) [E] A study of the development and traditions, and conventions of horror and the supernatural in English and American literature. Readings will consist mostly of prose fiction, though there will be a few assigned readings of non-fiction.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2270 - Modern Women Writers
(3L)(3CR) An introductory level course, which will focus on women writers of the late 19th century and of the 20th century. Works by earlier writers demonstrate the traditional roles of women in society as well as questions about and challenges to those roles, while works written since the middle of the 20th century image women in a changing society. These works are the background to contemporary literature which presents positive and powerful images of women as recent writers revise traditional roles and envision new realities for women and for society.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2310 - American Literature I
(3L)(3CR) A survey of major American writers and their significant contributions from the Colonial Era to the Civil War.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2320 - American Literature II
(3L)(3CR) A continuation of ENGL 2310: American writers from the Civil War to the mid-20th Century.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2350 - African American Literature
(3L)(3CR) A chronological and thematic survey of African American writers and their works, from the earliest slave narratives to contemporary writings. This course will explore one specific sector of the diversity of American literature.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2440 - Literary Genres: Short Story
(3L)(3CR) [E] A study of several short stories with emphasis on the development of the genre as a modern art form, from its structural crystallization in the early 19th century to the experimental techniques of the latter 20th century.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2475 - Independent Study
(*1-3CR) (Max. 6) *Individual appointments with instructor. Books and periodicals studied independently by student in consultation with instructor.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2490 - Topics: (Subtitle)
(2-3L, 2-3CR)(Max. 6) Offered in answer to specific need or public interest. A student may repeat this course twice under different subtitles to a maximum of six credit hours.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENGL 2495 - Workshop: (Subtitle)
(.5-2CR) (Max. 4) Offered in response to needs and interests of students and members of the community. The topic varies but focuses on reading, writing and analyzing contemporary literature. Guest scholars and writers give lectures, readings, and workshops about different genres including poetry, fiction, and nonfiction. A student may repeat this course twice under different subtitles to a maximum of four credit hours.
Prerequisites: ENGL 1010. ENGL 1020 recommended.

ENR 1200 - Environment
(3L, 3LB)(4CR) This course fulfills a lab science requirement for both science and non-science majors by introducing key concepts in the life sciences through analysis of environmental and natural resource issues. It is appropriate for all students seeking a deeper understanding of environmental challenges. This course is intended to cultivate informed citizens capable of understanding both the scientific basis of environmental challenges as well as an appreciation for the importance of the non-scientific dimensions of those challenges. This course uses complex, real-world environmental challenges to explore fundamental scientific principles such as hypothesis testing, energy flow, nutrient cycling, ecosystem structure and function, population ecology, community ecology, and the role of humans in systems.

ENR 1500 - Water, Dirt, and Earth's Environment
(3L, 3LB)(4CR) Introductory environmental geology course focusing on water and soil both as hazards and as life-sustaining resources; exploring surface processes and climate change over geological and human timescales. Case studies illustrate the environmental tradeoffs of resource use.
Cross-listed: (Cross-listed with GEOL 1500)

ENR 2000 - Environment and Society
(3L)(3CR) This course explores environmental and social interactions-that is, how we relate to non-human nature and how we represent these relationships. During the semester you will evaluate texts and other media from a variety of fields. We will also address some of the core issues impacting the relationship between the environment and society.

ENR 2450 - Principles of Fish and Wildlife Management
(3L)(3CR) [E] Emphasizes principles of habitat and population biology and management, human dimensions of wildlife management, as well as law and policy.
Prerequisites: LIFE 1010/BIOL 1010
Cross-listed: ZOO 2450

ENR 2465 - Research Problems in Environmental Sciences
(3L, 3LB)(4CR) This is an independent research study course. A comprehensive research study is required. Upon completing the project, the student should present a paper and an oral seminar to a committee selected by the project instructor. The problem and amount of credit received must have the approval of the instructor.

ENR 2480 - Cooperative Work Experience
(1-8CR) This course provides the opportunity to gain life science and/or wildlife management concepts from a vocational or employment experience within the student's area of specialization. A minimum of 80 hours of on-the-job training represents one semester credit hour. The instructor and the employer will supervise students.
Prerequisites: Preapproval/consent of instructor. Must be Life Science, Environmental Science, or Wildlife Management Major. Student must have at least a 2.0 GPA.

ENR 2490 - Topics: (Subtitle)
(1-4CR) This course will allow the Department of Environmental and Natural Resources to offer special topics courses for all students, especially for those in the Environmental Science program. A special topics course will allow special topics, guest speakers, workshops, and other opportunities for a unique student learning experience.

ENTK 1010 - Elements of Surveying
(2L, 3LB)(3CR) The principles of land surveying include distance measurement, elevations and angles. This course includes fundamentals of trigonometry, the necessary review of algebraic principles, and a thorough introduction to the surveying instruments and their use. Lecture material is accompanied by field measurements providing adequate practical experience. Following the course, students should be able to assist with a survey crew or lay out a simple construction site. An introduction to the U.S. public land system and the principles of the GPS system are included.

ENTK 1021 - Descriptive Geometry
(2L, 2LB)(3CR) Emphasis is on the graphic solutions to engineering and design problems. Topics will include: visibility, notation, auxiliary views, true lengths and angles, bearing, grade, intersecting lines, lines on planes, point views, normal views piercing points, intersection of planes, contour mapping, outcrop, cut and fill, revolution of lines, vectors and perspective.
Prerequisites: ENTK 1510, or permission of the instructor.

ENTK 1060 - Excel Technical Applications
(3L)(3CR) This course will focus on the technical application of Microsoft Excel and its use in an engineering/drafting office environment. Students will learn productivity tools in Excel and explore how to integrate Excel with computer aided drafting software to increase productivity.

ENTK 1510 - Drafting I
(2L, 4LB)(4CR) An introductory course in industrial communications through technical drawing and computer-aided drafting. Topics include, sketching, lettering, plan geometry, multiview and axonometric projections dimensioning using traditional drafting instruments and computer aided drafting equipment.

ENTK 1650 - Mechanical Drafting and Design I
(2L, 4LB)(4CR) A continuation of the instruction received in ENTK 2510, this is an intermediate mechanical design course focusing on assembly modeling using both top-down and bottom-up techniques. Application of design intent on part and assembly models instructs the student to predict how design changes will impact the model. In addition, students realize the importance of file management tools in assemblies.
Prerequisites: ENTK 2510, or permission of the instructor.

ENTK 1710 - Architectural Drafting I
(2L, 4LB)(4CR) [E] Designing homes with emphasis on today's residential designs and construction methods. Develop documents for construction purposes using sketching and computer-aided design techniques. Designs will follow local, state and national code specification.
Prerequisites: ENTK 1510, or permission of the instructor.

ENTK 1720 - Architectural Drafting II
(2L, 4LB)(4CR) Develop documents for architectural presentations and graphics using sketching, various CAD techniques, and building information modeling.
Prerequisites: ENTK 1510 and ENTK 1710, or permission of the instructor.

ENTK 1750 - Commercial Architectural Drafting
(2L, 4LB)(4CR) Design, planning, and construction documents of existing and new commercial buildings. Topics include construction methods and materials, drawing conventions, the AIA drawing standards, the National CAD Standards, the Uniform Drawing System, and the International Building Code.
Prerequisites: ENTK 1510, or permission of the instructor.

ENTK 2500 - Computer-Aided Drafting I (AutoCAD)
(1L, 2LB)(2CR) CAD I is an introductory course in engineering computer graphics, using computer aided drafting software commonly used by industries in the region.
Prerequisites: Working knowledge of Windows operating system and computer literacy.

ENTK 2505 - Computer-Aided Drafting II (AutoCAD)
(1L, 2LB)(2CR) [E] CAD II is a continuation of CAD I using the AutoCAD drawing software. The student will receive training in advanced 2-D drawings, isometric drawings, file maintenance and plotting practice.
Prerequisites: ENTK 2500.

ENTK 2510 - CAD-3D Modeling
(2L, 4LB)(4CR) An introductory course in 3-D solid modeling. The student will learn basic part and assembly modeling techniques with an emphasis on design intent. Standard 3 view part prints including section, detail and exploded views will be created.
Prerequisites: ENTK 1510, or permission of the instructor.

ENTK 2525 - Design and Manufacturing Methods I
(2L, 2LB)(4CR) A course emphasizing solid modeling and manufacturing techniques involved with various CNC equipment and the impacts of CAD on design and production. Manufacturing techniques utilizing CNC plasma, CNC router, laser engraver, machining/turning center and 3D printer will be covered in this course.
Corequisite: ENTK 2510 or instructor approval.

ENTK 2530 - Design and Manufacturing Methods II
(2L, 4LB)(4CR) This course is a continuation of Design and Manufacturing Methods I. This course will emphasize solid modeling and manufacturing techniques involved with various CNC equipment and the impacts of CAD on design and production. Manufacturing techniques utilizing CNC plasma, CNC router, laser engraver, machining/turning center and 3D printer will be covered in this course.
Prerequisites: ENTK 2525, or permission of instructor.

ENTK 2550 - Civil Drafting I
(2L, 4LB)(4CR) This course introduces principles and techniques of civil drafting using AutoDesk's Land Development Desktop to create engineering maps. This course includes an overview of mapping, surveying, and earthwork.
Prerequisites: ENTK 1510, or permission of the instructor.

ENTK 2625 - Mechanical Drafting and Design II
(2L, 4LB)(4CR) This is an advanced mechanical design course focusing on design and marketing tools used with solid modeling of parts and assemblies. The students learn to integrate weldments, fasteners, sheet metal parts and web base design tools into assemblies. These tools aid the designer during the product development phase of a project.
Prerequisites: ENTK 1650.

ENTK 2975 - Independent Study in Drafting
(2-6LB) (1-3CR) (Max. 3) Drafting majors who have substantial background in drafting may be permitted to contract with the instructor for special advanced problems in drafting to be pursued on an independent study basis.
Prerequisites: Permission of instructor.

ENTK 2976 - Independent Study in Computer-Aided Drafting
(2-6LB) (1-3CR) Students who have substantial background in drafting may be permitted to contract with the instructor for special advanced problems in computer aided drafting to be pursued on an independent study basis.
Prerequisites: Permission of the instructor.

ENTK 2980 - Cooperative Work Experience (Drafting)
(1-8CR) (Max. 8) A minimum of 80 hours of on-the-job training per credit hour with college supervision. Training must be in the area of drafting or a closely related field such as surveying.
Prerequisites: Permission of the instructor.

ENTK 2990 - Special Topics
(1-12CR) Offered in answer to specific need or public interest. A student may repeat this course under different subtitles to a maximum of 12 credit hours.

ENTO 2005 - Insect Biology
(3L, 3LB)(4CR) This course provides students with an introduction to insects and related arthropods. Aspects of insect biology, ecology, behavior and life history will be covered, with emphasis on their effect on humans. The lab will cover insect anatomy, taxonomy and diversity, with an insect collection required of all students.
Prerequisites: BIOL 1000 or equivalent.

ENVT 1500 - Applied Math for Operators
(2L)(2CR) Practical and realistic applications of mathematical formulas and problems related to the operations of water and wastewater treatment plants and collection and distribution systems.
Prerequisites: MATH 0930, or permission of the instructor.

ENVT 1510 - Distribution Systems
(3L)(3CR) Introduction to the basics of distribution system operation and maintenance and key system components. Topics covered include storage, cross connections, water quality, regulations, chlorination, piping, meter, pumps, hydrants and safety.

ENVT 1520 - Collection System Operation/ Maintenance
(3L)(3CR) Introduction to the basics of collection system operation and maintenance and key system components. Topics to be covered include inspecting and testing, cleaning methods, lift stations, safety and administration.

ENVT 1530 - Trenching and Shoring
(1L)(1CR) Introduction to the Occupational Safety and Health Administration's Construction regulation subpart P: Excavations 1926.650-652 known as the Trenching and Shoring Rule. Topics covered are causes of cave-ins, soil classifications, determining soil types and protection systems.

ENVT 1540 - Confined Spaces
(1L)(1CR) Introduction to the Occupational Safety and Health Administration's (OSHA) permit required confined space entry regulation. Class focuses on understanding the regulations and the required elements of a confined space program.

ENVT 1550 - Safety in Water Quality
(2L)(2CR) Introduction to safety issues that affect water quality system operators. The course will review general safety issues and specific Occupational Safety and Health Administration (OSHA) regulations. Topics to be covered include hazard communication, blood borne pathogens, chemical safety, respiratory protection, lockout-tag out, and general safety practices.

ENVT 1560 - Water Treatment Plant Operation I
(3L)(3CR) This course is an introduction to the basics of water treatment plant operation and key system components. Includes water sources, coagulation, flocculation, sedimentation, filtration, disinfection, Safe Drinking Water Act rules and regulations, fluoridation and iron and manganese removal.

ENVT 1570 - Wastewater Treatment Plant Operation I
(3L)(3CR) Introduction to the basics of wastewater plant operation and maintenance. Topics covered include package plants, oxidation ditches, waste stabilization ponds, trickling filters, primary and preliminary treatment and chlorination.

ENVT 1600 - Industrial Safety
(4L)(4CR) This course is an introduction to safety issues that affect personnel in the electric power industry. It will review general safety issues and specific Occupational Safety and Health (OSHA) regulations for General Industry. Topics to be covered include: Introduction to OSHA, exit routes, emergency action plans, fire protection plans and fire protection, electrical, personal protective equipment, walking/working surfaces and fall protection, hazard communication, powered industrial trucks, bloodborne pathogens, working in extreme weather environments and electric power generation, transmission and distribution. All subjects will emphasize hazard awareness. An OSHA Ten-Hour general industry card will be awarded to all students successfully completing the mandatory OSHA requirements contained in this curriculum. Each student will be required to compose a three to five page essay on personal safety.

ENVT 1625 - Small Water Systems
(3L)(3CR) This course is an introduction to the basics of small water system operation and maintenance and key system components. Topics to be covered include surface water treatment, groundwater systems, storage, monitoring, emergency response preparedness, financial considerations and managerial responsibilities. Course uses a combination of DVD based video presentations and workbook assignments completed at home prior to class as well as classroom lectures and field trips.

ENVT 1650 - Waste Stabilization Ponds/Lagoons Operation and Maintenance
(1L)(1CR) This course will cover wastewater composition, lagoon types, facultative and aerated lagoon operational theory, dissolved oxygen and pH measurement, calculating hydraulic and organic loading, detention time, geometric mean, average flow and percent removal and NPDES permits. Course will also include a field trip to a local lagoon system.

ENVT 2510 - Applied Math for Water Plant Operators
(2L)(2CR) Practical and realistic applications of mathematical formulas and problems related to the operations of a water treatment plant and distribution system.
Prerequisites: ENVT 1500, or permission of the instructor.

ENVT 2515 - Applied Math for Wastewater Plant Operators
(2L)(2CR) Practical and realistic applications of mathematical formulas and problems related to the operations of a wastewater treatment plant and collection system. Processes covered will include activated sludge, trickling filters, waste stabilization ponds, chemical dosages and laboratory calculations.
Prerequisites: ENVT 1500, or permission of the instructor.

ENVT 2525 - Water Treatment Plant Operation II
(3L)(3CR) Builds on the concepts presented in Water Treatment Plant Operation I and introduces advanced treatment concepts such as softening, iron manganese control, demineralization, instrumentation, laboratory procedures and drinking water regulations.

ENVT 2535 - Wastewater Treatment Plant Operation II
(3L)(3CR) Builds on the concepts presented in Wastewater Treatment Plant Operations I and introduces advanced treatment concepts such as sludge handling and digestion and nutrient removal.

ENVT 2981 - Cooperative Work Experience
(1-8CR) (Max. 16) (Environmental Science students) Supervised work and project experience for the purpose of providing an understanding of a specific topic area related to environmental science. Supervision is provided by both the instructional staff of the college and the cooperating agencies. Enrollment limited to majors in water quality technology or environmental science. See "Unit of Credit."
Prerequisites: Permission of the instructor.

ENVT 2990 - Topics: (Subtitle)
(1-12CR) For students who wish to work in greater depth in water treatment, or wastewater treatment, collection or distribution. Course content will be contracted individually with each student in order to provide greater emphasis and experience in that students' area of interest.
Prerequisites: Permission of the instructor.

ES 1000 - Introduction to Engineering Orientation
(1L)(1CR) [E] Orientation course to provide students with exposure to all forms of engineering.

ES 1060 - Introduction to Engineering Computing
(3L, *)(3CR) [E] * One problem class each week. An introduction to engineering documentation and reports, computing tools for data presentation and graphics, equation solving, and manipulation of tabular data.
Corequisite: MATH 2200.

ES 1100 - Introduction to Rocketry
(1L, 2LB)(2CR) This introductory course in rocketry will provide an overview of various rocket propulsion concepts such as solid, hybrid, liquid, nuclear and antimatter. It will focus on composite solid rocket motors and cover their design, ballistic analysis, structural analysis, and thermal analysis. The course will discuss the design, analysis and constructor of rocket bodies including structural analysis, flight stability and recovery systems.

ES 1490 - Topics: (Subtitle)
(1-3L) (1-3CR) Consists of investigations and discussions with respect to current topics in engineering.

ES 2110 - Statics
(4L, *)(4CR) [E] *One problem class each week. Analysis of force systems in equilibrium while at rest. Includes forces as vectors acting at a point and on structures, distributed forces, and friction. Centroid and moment of inertia of areas and solids.
Prerequisites: MATH 2200 or concurrent enrollment, or permission of the instructor.

ES 2120 - Dynamics
(4L, *)(4CR) [E] *One problem class each week. The study of particle and body motion. Includes the study of translation and rotation and the related concepts of work, energy, impulse, and momentum.
Prerequisites: ES 2110 and MATH 2205, PHYS 1310, or concurrent enrollment.

ES 2210 - Engineering Circuit Theory
(3L, *, 2LB)(4CR) [E] *One problem class each week. A basic course in electrical engineering circuit analysis for all engineering majors. Emphasis is placed on basic circuit theory, circuit modeling, analytical methods, network theorems, and first order circuits.
Prerequisites: MATH 2205 or permission of instructor.
Corequisite: ES 2120.

ES 2310 - Thermodynamics
(4L)(4CR) [E] A first course in classical thermodynamics governing processes related to heat work and equilibrium of gaseous liquid, and solid systems.
Prerequisites: MATH 2205 and PHYS 1310, or permission of the instructor.

ES 2330 - Fluid Dynamics
(4L, *)(4CR) [E] *One problem class each week. Characteristics and behavior of fluids. Applications of Bernoulli and Euler equations of equilibrium. Study of surface tension, vapor pressure, viscosity, and shear stress of fluids. Analysis of laminar and turbulent flow in pipes.
Prerequisites: ES 2120 and MATH 2205, or permission of instructor.

ES 2410 - Mechanics of Materials I
(4L, *)(4CR) [E] * One problem class each week. The mechanics of deformable bodies. Topics include stress and strain of structures and machine components. The course will include an introduction to the design process.
Prerequisites: ES 2110.

ESL 0100 - English as a Second Language Level I
(1-3CR) This individualized, self-paced course for students whose native language is not English provides instruction and practice in reading, grammar, writing, listening, and speaking at a high-beginning to low-intermediate level of English proficiency. S, X, or U grade only.

ESL 0200 - English as a Second Language Level II
(1-3CR) This individualized, self-paced course for students whose native language is not English provides instruction and practice in reading, grammar, writing, listening, and speaking at a low-intermediate to intermediate level of English proficiency. S, X, or U grade only.

ESL 0300 - English as a Second Language Level III
(1-3CR) This individualized, self-paced course for students whose native language is not English provides instruction and practice in reading, grammar, writing, listening, and speaking at an intermediate to high-intermediate level of English proficiency. S, X, or U grade only.

ESL 1000 - Conversational English for ESL Students
(1L)(1CR) Conversational English for ESL is designed to accompany coursework in ESL 1010 and ESL 1020. It gives students the opportunity to interact verbally, overcome the tendency to "translate directly" and to discuss texts and current events. It includes listening as well as speaking, and will include recorded materials as well as assignments to live lectures. It is accessible to ESL students at a variety of levels who come to college from varied cultures and linguistic backgrounds. Preferred: TOEFL score of 350 or higher. Experience with oral and written English.

ESL 1010 - English as a Second Language I
(4L)(4CR) Intermediate level international students and students with limited English proficiency will earn four credits in reading, listening, grammar, and writing. Students will interact with one or two instructors, read English texts, write and edit responses, and participate in discussions of texts and/or related issues. Students are encouraged to enroll in ESL 1000, Conversational English for ESL Students.
Prerequisites: Permission of instructors.
Preferred: TOEFL score of 350 or better; successful completion of introductory ESL courses.

ESL 1020 - English as a Second Language II
(4L)(4CR) High intermediate/low advanced level international students and students with limited English proficiency will earn four credits in reading, grammar, and writing. Students will interact with one or two instructors, read English texts, write and edit responses, and participate in discussions of texts and/or related issues. Students are encouraged to enroll in ESL 1000.
Prerequisites: Permission of instructors.
Preferred: TOEFL score of 400 or better; successful completion of introductory ESL courses.

EXTR 1500 - Geology of Extractive Resources
(3L)(3CR) The study of the basic concepts associated with understanding the geology of the occurrence of oil, gas, oil shale, coal, coal bed methane, uranium, trona, bentonite, industrial minerals, and precious minerals in Wyoming.

EXTR 2510 - Introduction to Well Drilling
(3L, 1LB)(3.5CR) An introduction to the basics of drilling in the extractive industries. Topics will include an overview of the purpose, type and mechanics of drilling. Emphasis will be placed on Wyoming industries such as oil and gas, coal bed methane, uranium, and soda ash. The type and size of various rigs will be discussed. Drilling operations including the selection of rigs, bits, well control, and logging will be introduced. The course will include the discussion of casing runs, cementing, and a brief introduction to completion operations.
Prerequisites: Permission of the instructor.

EXTR 2520 - Introduction to Well Logging
(3L)(3CR) An introduction to the basics of modern electric well logs. Topics will include a quick overview of how a well is drilled and a brief history of logging tools. The main focus will be on modern electric log types and their interpretation and application, including resistivity and porosity logs. Specialty logs including dipmeters and borehole televiewers will be examined.

EXTR 2530 - Oil and Gas Production
(3L, 1LB)(3.5CR) An introduction to the basics of oil and gas production. Topics will include a quick overview of the history of production, oil and gas reservoirs, drilling, testing, and completing wells. The main focus will be on oil and gas properties, production methods, enhanced recovery methods, field processing, and well maintenance.
Prerequisites: Permission of the instructor.

EXTR 2540 - Petroleum Refining
(3L)(3CR) This course will cover the process, technology and operations that are necessary for the refinement of petroleum products.
Prerequisites: EXTR 2530.

EXTR 2550 - Geologic Computing Methods
(1.5L, 3LB)(3CR) This course is a beginner to intermediate level instructional course on how to use the geologic mapping software, Petra. Topics will include utilization of the various modules that comprise the Petra software (i.e. the mapping module, cross section module, etc.). Advanced subjects will include uses of other software such as Microsoft Office to facilitate data manipulation and integration into Petra. Basic computing skills recommended.

EXTR 2555 - Advanced Geologic Computing Methods
(1.5, 3LB)(3CR) This course is intended as a follow-up to EXTR 2550 Geologic Computing Methods. It is an advanced level instructional course on how to use the geologic computing software package, Petra. The course will feature advanced methods of geologic mapping, cross-section creation, well log interpretation, and the many special functions of the software. Data manipulation and integration techniques will be addressed.
Prerequisites: EXTR 2550 or permission of the instructor.

EXTR 2560 - Energy Policy and Economics
(3L)(3CR) Introduction to energy policy and economics. This course is designed to provide the student a basic understanding of the energy industry, current socioeconomic and political conditions in the marketplace and future supply/demand scenarios based on policy initiatives. The student will be exposed to material through a large degree of research and self-discovery. The instructor will facilitate discussion, dialogue, and critique writing and presentation skills.

EXTR 2570 - Introduction to Seismic Interpretation
(2L, 2LB)(3CR) Intended to provide an introduction to the interpretation of seismic reflection data. Seismic interpretation is currently the leading method for the exploration and development of oil and gas reserves. Students will learn to understand the seismic process, identify different structural styles from seismic data, interpret seismic sections in both two and three dimensions, relate subsurface stratigraphy to well data, develop a geologic model, create a basic stratigraphic framework using seismic stratigraphy, and prepare structure and other geological/geophysical maps. A basic knowledge of geology and physics is helpful.

FCSC 1141 - Principles of Nutrition
(3L)(3CR) [E] This course is designed to give students a general understanding of nutrition concepts. The course content emphasizes key nutrients and the human body's need for and utilization of those nutrients. Students will be informed of the importance of individualized nutrition plans, and will be exposed to some of the latest research in nutrition. Also addressed are nutritionally relevant topics such as eating disorders, nutritional supplements, dieting and food safety. Recommended for nutrition majors, physical education and early childhood education majors and other interested non-majors.

FCSC 1150 - Scientific Study of Food
(2L, 3LB)(3CR) An introductory course in the science of food, which includes selection and preparation, to meet physical, psychological, and social needs.
Prerequisites: FCSC 1141.

FCSC 2122 - Child Development Lab
(2LB)(1CR) This course will serve as a bridge between theory and application through experience in the observation of child growth and development from birth to 12 years of age.
Prerequisites: PSYC 2300, or concurrent enrollment.

FDSC 2040 - Principles of Meat Animal Evaluation
(2L, 2LB)(3CR) Live animal and carcass evaluation of beef, sheep, and swine. Slaughter, meat inspection and anatomy are discussed.
Prerequisites: ANSC 1010 or instructor permission.

FDSC 2100 - Principles of Meat Science
(4LB)(2CR) [E] Muscle growth, structure and metabolism, pre-harvest animal care, fabrication of carcasses into cuts and associated processing techniques; conversion of muscle into meat; fresh meat properties and quality; chemical properties of meat; meat processing; meat microbiology and safety.
Prerequisites: CHEM 1005 or CHEM 1025 and FDSC 2040 or instructor permission.

FIN 2100 - Managerial Finance
(3L)(3CR) [E] Managerial finance deals with two main decisions that must be confronted by those managing the financial operations of corporations. First, there is the decision on which investment projects to undertake. Second, there is the decision on the best way to enhance projects. For the first task, the managers must forecast cash flows that might be generated by prospective projects and then select the appropriate discount rate with which to value such cash flows.
The second task involves selecting the capital structure of the firm and includes for example, the choice between debt and equity.
Prerequisites: ACCT 2010, STAT 2050, or permission of the instructor.

FIRE 1500 - Introduction to Fire Science
(3L)(3CR) A broad overview of fire service covering historical and modern fire protection services including department organization, equipment, extinguishing agents, tactics, and detection systems.

FIRE 1510 - Fire Fighting Strategy and Tactics I
(3L)(3CR) An introductory course that covers a range of management principles and practices to help students develop effective decision-making skills at the fire scene.

FIRE 1520 - Fire Fighting Strategy and Tactics II
(3L)(3CR) An advanced course emphasizing skill development for effective decision making in fire and related emergency situations. Includes case studies and simulations.
Prerequisites: FIRE 1510, or fire service experience.

FIRE 1550 - Causes and Investigation
(3L)(3CR) An in-depth study of the causes and investigation of fires of all types and descriptions from the fire science point of view.

FIRE 1570 - Fire-Related Codes and Ordinances
(3L)(3CR) The study of national, state, and local codes and ordinances and their application and enforcement.

FIRE 1660 - Firefighter Strength and Conditioning
(2LB)(1CR) This class is designed to improve muscular strength through the use of free weights and machines while learning proper body mechanics and form. By utilizing a smaller student to instructor ratio, focus on individual student goals will be maximized. This class will use the weight room at the T-Bird gym as well as some outdoor class time weather permitting.
Prerequisites: None

FIRE 1670 - Basic Emergency Care/First Responder
(3L)(3CR) Training in the fundamentals of emergency care. The course follows the state of Wyoming Office of Emergency Medical Services outline for basic emergency care. Excellent for students who are planning to enter the fire service or emergency medical services.
Prerequisites: Fire science or criminal justice major, or permission of the instructor.

FIRE 1700 - Fundamentals of Fire Prevention
(3L)(3CR) The history and philosophy of fire prevention and administrative functions. Evaluation of prevention programs and research provide insight into the fire problem in modern societies.

FIRE 1720 - Introduction to Fire Suppression
(3L)(3CR) Designed to provide an in-depth study of modern fire suppression systems and operations. Manual and automatic units will be examined as will plans for future development using computer monitored systems.

FIRE 1760 - Building Construction
(3L)(3CR) A practical approach to assessing hazards in various types of buildings. Construction types and classes are examined with firefighter safety and occupant viability as the foremost considerations.

FIRE 1810 - Introduction to Wildland Fire Fighting
(3L)(3CR) Designed to expose the student to all of the classroom material required to be qualified as a wild-land firefighter Type Two (Basic) including introductory fire behavior, methods, tactics and safety.

FIRE 1818 - Wildland Leadership
(3L)(3CR) This course is designed to provide intermediate level instruction on wild-land fire fighting tactics, safety, and leadership.
Prerequisites: FIRE 1810.

FIRE 1820 - Engine Operations
(3L)(3CR) Designed to expose the student to different types of water handling apparatus and their appropriate use on a wild-land fire. A field day will be required for completion of course.
Prerequisites: FIRE 1810.

FIRE 1830 - Intermediate Wildland Fire Behavior
(3L)(3CR) Designed to expose the students to a more in-depth look at wild-land fire behavior. Incorporates the relations between fuels, weather, and topography. Also, a more in-depth look into firefighter safety is taken.
Prerequisites: FIRE 1810.

FIRE 1840 - Single Resource Boss/Crew
(3L)(3CR) This class will expose the student to the administrative requirements of a crew leader as well as basic supervision, air operations, and tactical requirements of the job. The emphasis of this course will be on hand-crew and engine supervision.
Prerequisites: FIRE 1810, FIRE 1820 and FIRE 1830.

FIRE 1975 - Independent Study
(1-3CR) An opportunity for students to develop projects in their particular area of interest within the fire science discipline. Course is self-paced with individualized instruction.

FIRE 1990 - Topics: (Subtitle)
(3CR) Consists of investigations and discussions with respect to current topics in fire science.

FIRE 2515 - Advanced Firefighting
(3L)(3CR) This course prepares the student with the required skills needed in the fire service. This course assists students in developing an understanding of the physical and practical skills required to become a career firefighter.
Prerequisites: Sophomore level in fire science program.

FIRE 2525 - Rescue Practices for the Fire Service
(3L)(3CR) Designed to offer the student first-hand experience in the areas of high angle rescue, water rescue, and vehicle rescue/extrication.

FIRE 2528 - Hazardous Materials Technician
(5L)(5CR) This course involves the application of NFPA 472 and OSHA's HAZWOPER Standard (29 CFR 1910.120) towards student involvement in hazardous materials emergency response. This course certifies students at the technician level.

FIRE 2530 - Hazardous Materials
(3L)(3CR) This course involves the application of NFPA 472 and OSHA's HAZWOPER Standard (29 CFR 1910.120) towards student involvement in hazardous materials emergency response. In order to pass this course each student must pass both state tests (Awareness and Operations). However, passing both state certified exams does not guarantee a passing grade in the class.
Prerequisites: General understanding of emergency response.

FIRE 2560 - Apparatus and Procedures
(3L)(3CR) Designed to acquaint the student with the evolution of fire apparatus and to provide an understanding of the uses for different pieces of fire-fighting vehicles.

FIRE 2570 - Managing Fire Service
(3L)(3CR) Designed for the pre-service student as well as the fire officer in management or preparing for a managerial position. The course includes budget forecasting, facility and equipment planning, personnel activities, and fire protection productivity.

FIRE 2610 - Chemistry of Hazardous Materials
(3L)(3CR) Designed to acquaint the student with the use of various diagnostic tools for evaluating the effects of hazardous materials commonly found in use today. Case studies are used to enhance the learning environment and provide the opportunity for student interaction.

FIRE 2625 - Advanced Rescue Practices
(3L)(3CR) Advanced rescue practices is designed to offer the student firsthand experience with emphasis on incident command system and formulation of action plan in the areas of high and low angle rope, water rescue, and structural fire rescue.

FIRE 2700 - Supervisory Management
(3L)(3CR) This course is designed for the pre-service student as well as fire department members in management or preparing for a managerial position.

FIRE 2960 - Firefighter Development
(3L)(3CR) To prepare the student for fire department entry-level testing through various exercises and community service projects.

FIRE 2970 - Fire Service Field Internship
(1L, 3LB)(3CR) To prepare the student for fire department entry-level testing through various exercises and community service projects.

FIRE 2990 - Topics: (Subtitle)
(3CR) Consists of investigations and discussions with respect to current topics in fire science.

FREN 900 - French for Travelers
(1L)(1CR) A course of simple French to help the traveler make plans, obtain tickets, order meals, and ask for and understand general information as needed for travel in a French-speaking country.

FREN 1010 - First Year French I
(4L)(4CR) [E] This course is intended for students who have never studied French at the college level. Students will learn the fundamentals of the French language through listening, speaking, reading, and writing activities at the ACTFL (American Council on the Teaching of Foreign Languages) Novice Low Level. The course will also introduce students to the culture of various French-speaking countries. Language laboratory times are required as needed. Students who want to take for credit the next course in the sequence must complete this course with grade of a 'C' or better.
Prerequisites: None; however, the course is strongly recommended for students who have completed the equivalent of 0-5 semesters of high school French.

FREN 1020 - First Year French II
(4L)(4CR) [E] This course is a continuation of the objectives in FREN 1010. Students will become more proficient in listening, speaking, reading, and writing French and will further their grammatical study of the French language at the ACTFL (American Council on the Teaching of Foreign Languages) Novice Mid-Level. The course will continue to introduce students to the culture of various French-speaking countries. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in FREN 1010, CLEP test result, equivalent of 6-8 semesters of high school French with a cumulative "B" average or better in those classes, or instructor's permission.

FREN 2030 - Second Year French I
(4L)(4CR) [E] This course focuses on the increased development of listening, speaking, reading, and writing skills in French. Students review and expand upon grammar points which facilitate successful communication at the ACTFL (American Council on the Teaching of Foreign Languages) Novice High Level. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in FREN 1020, CLEP test result, equivalent of 5-6 years of middle/junior high and high school French with a cumulative "B" average or better in those classes, or instructor's permission..

FREN 2040 - Second Year French II
(4L)(4CR) [E] This course further emphasizes the development of all four communicative aspects of the French language through composition, conversation, oral presentations, and grammar study at the ACTFL (American Council on the Teaching of Foreign Languages) Intermediate Low Level. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in FREN 2030, CLEP test result, or instructor's permission.

FREN 2475 - Independent Study
(1-4CR) (Max. 4) Students meet with the instructor to discuss independently assigned reading and reports from sources of special interest to the student(s) and pertaining to francophone culture and/or current events which are selected in consultation with the French instructor or record. All coursework will be done in French. Some oral/aural work will be required and grammatical topics may be revisited and expanded upon. Students much pass with a "C" or better.
Prerequisites: FREN 2040 or permission of instructor.

FREN 2495 - Workshop: Topic
(.5-4CR) (Max 12) This class provides a specialized course of study in French to meet particular interests of students and community members. Various topics focus on the development of practical French speaking skills and/or cultural awareness. This course may be repeated for a total of 12 credits under different topics. Student must pass with a "C" or better.
Prerequisites: Permission of instructor

GEOG 1000 - World Regional Geography
(3L)(3CR) [E] An overview of the world's major physical regions: the physical features, climates, and natural resources of each region, and how the people living in each region have adapted to, and are affected by, their physical environment.

GEOG 1010 - Introduction to Physical Geography
(3L, 2LB)(4CR) [E] An introductory course that draws on many scientific fields to examine interactions between humans and their physical environment. Geology, meteorology, climatology, pedology, biology, and hydrology supply the background material, but the key word is interaction: how and why the weather affects our

lives, food supply and soil formation, and where and how we can live within the limits imposed by the various environments of the earth. Because we live on the surface of the earth, the course will examine the major processes involved in shaping and landscape.

GEOG 1015 - Projects in GIS
(2LB)(1CR) Students will participate and work alongside GEOG 2100 students assisting them with their GIS/GPS projects.

GEOG 1040 - Snow and Ice Field Class
(3L, 2LB)(4CR) Of all of the environmental factors which shape the physical world in which we live, the snow and the ice (cryosphere) component is probably the least understood and appreciated by the layman and the scientist alike. At the same time, our existence is tremendously impacted in both positive and negative ways by these factors. Students will be required to attend field components including two local weekend excursions and a week-long field course in a location to be determined. Some field work may be physically strenuous; however, participation in these activities will be optional. Other approved exercises may be substituted if necessary.
Prerequisites: Permission of the instructor.

GEOG 1050 - Introduction to Environmental and Natural Resources
(3L)(3CR) Addresses the impact from natural and human interactions with the environment. Will discuss regional to global scales on issues such as: hazardous earth processes, human interaction with the environment, cultural and ethnic responses to the environment, minerals and energy extraction and use, land use and decision-making. The class will view both sides of environmental issues and approaches to environmental management.

GEOG 1080 - Introduction to GPS and Maps
(3L)(3CR) An introductory course in the use of GPS technology, maps and pre-GIS applications. The class was designed to complement GEOL 2080, General Field Geology, and for anyone interested in learning how to use a GPS hand-held unit in conjunction with all-topo digital mapping software and other map use.

GEOG 1100 - Introduction to GIS
(2L, 4LB)(4CR) An introductory course in geographic information systems (GIS) and an accompanying laboratory session. The course will discuss different types of GIS and their capabilities; GIS data collection and input; GIS data types and basic mapping concepts. The laboratory session will introduce students to ArcView 8 software.

GEOG 1110 - Management and Implementation of GIS
(2L, 4LB)(4CR) This course addresses strategies for successful GIS management and implementation in an organization-wide context and is organized around three primary issues: implementation planning, data management, and GIS problem solving in the workforce.
Prerequisites: GEOG 1100.

GEOG 2100 - Advanced GIS
(2L, 4LB)(4CR) An advanced GIS course. The students will be split into teams and given a case study from an outside client and solve the case study using GIS. At the end of the semester, the teams will present the solution to the client in a presentation.
Prerequisites: GEOG 1100 and GEOG 1110, or concurrent enrollment in GEOG 1110.

GEOG 2150 - Map Use and Analysis
(3L)(3CR) Survey of the use of maps to communicate ideas and opinions about places, and the analysis and presentation of mapped data to solve spatial or geographic problems.

GEOG 2475 - Independent Study
(1-3CR) An opportunity for students to develop projects in their particular area of interest within the GIS field.
Prerequisites: Permission of instructor

GEOG 2480 - GIS Cooperative Work Experience
(1-8CR) (Max. 8) Students are afforded the opportunity to gain practical on-the-job experience in their specialties. The program coordinator and the student's employer will supervise the student. A minimum of 80 hours of on-the-job training represents one semester hour. Students must maintain 12 credit hours with at least a 2.0 GPA during the semester.
Prerequisites: Enrollment in GIS certificate, degree, or minor program; permission of the program director.

GEOG 2490 - Topics: Subtitle
(1-12CR) Max. 12) Investigations, discussions, and applications of current issues in GIS (Geographic Information Systems). Topics for consideration may include GIS applications to various fields such as business, law enforcement, public health, new software applications, as well as topics that may arise through local demand.
Prerequisites: Enrollment in GIS certificate, degree, or minor program; or permission of program director.

GEOL 1015 - Geology in the Field
(1L, 2LB)(2CR) This course is designed to be lecture in the field about the spectacular geology of Wyoming. A great variety of Wyoming's minerals, rocks, fossils, and scenic geology will be explored during field trips.

GEOL 1020 - Geology of Wyoming
(1L)(1CR) Topics in the geology of Wyoming; lectures and field trips which illustrate a major facet of Wyoming's natural geological laboratory. Topics have included volcanoes, glaciers, Wyoming gem stones and precious metals, plate tectonics, and the oil and gas business.

GEOL 1021 - Geology of Wyoming Field Trip
(2LB)(1CR) Lecture in the field to observe first-hand the unique geological features of Wyoming. Optional field trip to be taken concurrently with GEOL 1020.

GEOL 1040 - Gemstones and Their Geologic Origins
(1L)(1CR) This course is designed to acquaint the student with gemstone identification, faceting and the geology which produces these rare specimens.

GEOL 1070 - Earth Science for Elementary Education Majors
(3L, 2LB)(4CR) [E] Covers processes that resulted in the present topography and the past events and the fossil or evolutionary response to changing geography through time. Includes energy reserves, pollution, ecology, mineral resources, the earth framed as a planet, and the solar system.

GEOL 1100 - Physical Geology
(3L, 2LB)(4CR) [E] A lecture and laboratory survey of the composition and geologic features of the earth and the processes which have formed them.

GEOL 1200 - Historical Geology
(3L, 2LB)(4CR) [E] A lecture and laboratory survey of the physical and biological history of the earth as interpreted from the sequence of rocks and fossil remains. Field trips will be included in the spring semester.
Prerequisites: GEOL 1100 recommended.

GEOL 1250 - Paleontology and Geology Field Work
(1CR) Wyoming is one of the richest fossil regions in the world. This course offers the student an opportunity to look for and collect fossils from various field sites near Casper. These sites include fossils of early mammals as well as dinosaurs. All fossil specimens collected are the property of the Tate Geological Museum at Casper College. Exceptions for souvenir specimens can be made at the discretion of the Tate Museum staff.

GEOL 1500 - Water, Dirt, and Earth's Environment
(3L, 3LB)(4CR) Introductory environmental geology course focusing on water and soil both as hazards and as life-sustaining resources; exploring surface processes and climate change over geological and human timescales. Case studies illustrate the environmental tradeoffs of resource use.
Cross-listed: (Cross-listed with ENR 1500)

GEOL 2000 - Geochemical Cycles and the Earth System
(3L, 2LB)(4CR) Geology applied to the complete Earth system including Lithosphere, Hydrosphere, Atmosphere and Biosphere, emphasizing rock associations and geochemical cycles on a global scale.
Prerequisites: GEOL 1100.

GEOL 2005 - Introduction to Geophysics
(3L, 2LB)(4CR) Introduction to the processes and properties of the physical earth. Topics to be covered include: gravity and magnetics, heat flow, seismo-tectonics, earthquakes, global earth structure, electro-magnetism, and seismology.
Prerequisites: GEOL 2000 or permission of the instructor.

GEOL 2010 - Mineralogy and Petrography I
(3L, 4LB)(5CR) [E] An in-depth introduction to the mineralogy of rock-forming minerals and minerals of economic interest. Lectures and labs will cover the chemical, physical and optical properties of minerals. The class will systematically cover minerals and mineral associations. Great emphasis will be placed on hand sample and microscopic identification of rockforming minerals.

GEOL 2020 - Introduction to Petrology
(2L)(2CR) Introduces the study of igneous,

sedimentary, and metamorphic rocks in hand specimen. Covers textural and mineralogic classification of rocks and the tectonic environments in which they occur.
Prerequisites: GEOL 2010 or instructor permission.

GEOL 2050 - Principles of Paleontology
(3L)(3CR) [E] A systematic look at the evolution of life forms on Earth from the earliest traces of organic material in Archaen rocks billions of years ago to the great diversity of life we see today.

GEOL 2070 - Oceanography
(3L, 2LB)(4CR) Deals with the ocean as a major environment of the earth. Includes the physical make-up of the ocean and the ocean as a climate controller and a resource for humans. Future pollution factors will also be discussed.

GEOL 2080 - General Field Geology
(3L, 2LB)(4CR) [E] General Field Geology teaches students basic concepts of geology, field mapping, and sampling technique. Emphasizes recognition, recording, and interpretation of geologic and paleontologic features in the field.
Prerequisites: GEOL 1100 and at least two other geology classes.

GEOL 2100 - Stratigraphy and Sedimentation
(3L, 3LB)(4CR) [E] A basic course in stratigraphy and sedimentation which stresses depositional, environmental, and age relationships of sedimentary rock.
Prerequisites: GEOL 1100, or permission of the instructor.

GEOL 2150 - Geomorphology
(3L, 2LB)(4CR) [E] The formation, description and study of land forms which are a result of destructional and constructional geologic processes. The study of topographic maps and aerial photographs are an integral part of the course.
Prerequisites: GEOL 1100 recommended, or permission of the instructor.

GEOL 2320 - Petroleum Geology
(3L)(3CR) The origin and properties of petroleum reservoirs with methods of exploring for structural and stratigraphic traps by subsurface and surface geologic techniques. Mode of petroleum genesis, preferential, habitat and migration, and accumulation will be discussed in depth.
Prerequisites: GEOL 1100 or EXTR 1500, or permission of the instructor.

GEOL 2465 - Research Problems in Geology
(1-3CR) (Max. 3) A comprehensive research study in geology is required, the topic must be selected in consultation with the instructor. Upon completing the project, the student will present a written and an oral report to the instructor.

GEOL 2490 - Topics: (Subtitle)
(1-4CR) Offered in answer to specific need or public interest.

GERM 900 - German for Travelers
(1L)(1CR) A course of simple German to help the traveler make plans, obtain tickets, order meals, and ask for and understand general information as needed for travel in a German-speaking country.

GERM 1010 - First Year German I
(4L)(4CR) [E] This course is intended for students who have never studied German at the college level. Students will learn the fundamentals of the German language through listening, speaking, reading and writing activities of the ACTFL (American Council on the Teaching of Foreign Languages) Novice Low Level. This course will also introduce student to the culture of various German-speaking countries. Language laboratory times are required as needed. Students who want to take for credit the next course in the sequence must complete this course with grade of a 'C' or better.
Prerequisites: None; however, the course is strongly recommended for students who have completed the equivalent of 0-5 semesters of high school German.

GERM 1020 - First Year German II
(4L)(4CR) [E] This course is a continuation of the objectives in GERM 1010. Students will become more proficient in listening, speaking, reading, and writing German and will further their grammatical study of the German language at the ACTFL (American Council on the Teaching of Foreign Languages) Novice Mid-Level. The course will continue to introduce students to the culture of various German-speaking countries. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in GERM 1010, CLEP test result, equivalent of 6-8 semesters of high school German with a cumulative "B" average or better in those classes, or instructor's permission.

GERM 2030 - Second Year German I
(4L)(4CR) [E] This course focuses on increased development of listening, speaking reading, and writing skills in German. Students review and expand upon grammar points which facilitate successful communication at the ACTFL (American Council on the Teaching of Foreign Languages) Novice High Level. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in GERM 1020, CLEP test result, equivalent of 5-6 years of middle/junior high and high school German with a cumulative "B" average or better in those classes, or instructor's permission.

GERM 2040 - Second Year German II
(4L)(4CR) [E] This course further emphasizes the development of all four communicative aspects of the German language through composition, conversation, oral presentations, and grammar study at the ACTFL (American Council on the Teaching of Foreign Languages) Intermediate Low Level. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in GERM 2030, CLEP test result, or instructor's permission.

GERM 2420 - Akrives Deutsch: Travel
(2L)(2CR) This travel course will focus on the unique culture found in the German-speaking countries. It will help students to more fully appreciate that culture while living in the midst of it as they attend full-immersion German language lessons. Students will be guided to negotiate the processes of ordering and paying for food, using public transportation, shopping and making purchases, and converting currency in real-life, hands-on situations. Also included are instructor-led tours and history lessons, which are given mostly in German. In response to the interests of students, various topics will focus on specific cultural aspects/sites and on cultural awareness. This course is required for all students participating in short-term study abroad trips to Germany sponsored by Casper College.
Prerequisites: Successful completion of GERM 1010 with a grade of C or better, or instructor's permission (based upon demonstration of equivalent German language skills). Students must be 18 years old by the trip's departure date.

GERM 2475 - Independent Study, German
(1-4CR) (Max. 4) Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: GERM 2030, or permission of the instructor.

GERM 2495 - Workshop: (Subtitle)
(.5-3CR) (Max. 12) Offered in response to needs and interests of students and members of the community. Various topics will focus on development of practical German speaking skills and on cultural awareness. A student may repeat this course under different subtitles for a maximum of 12 credit hours. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.

GNDR 1000 - Introduction to Gender Studies
(3L)(3CR) This course is an introduction to the study of gender as a category for social and cultural analysis. We will study the intersections of gender, class, race/ethnicity, nationality, age and sexuality and will examine how those intersections shape our experiences, our culture, and the social institutions we inhabit. This course is a survey of gender construction and will use critical theory to examine gender within the areas of social institutions, literature, history, visual art, film, biological theories, psychology, and popular culture.

GNDR 2000 - Gender Studies Service Learning
(.5-1L, 1-4LB) (1-3CR) This course will provide students with the opportunity to apply their theoretical understanding of gender studies to practical and concrete situations in their community settings. Students will work in a variety of agencies including educational, political, and/or social service agencies; students will choose their site according to their interests and according to faculty recommendations. In addition to the on-site experience, students will meet regularly with the faculty and their classmates to share and analyze their service-learning experience and to engage in critical reflection about gender theory.
Prerequisites: WMST 1080, GNDR 1000, PSYC 2060 or permission of the instructor.

HIST 1110 - Western Civilization I
(3L)(3CR) [E] A general survey of the significant political, social, economic, cultural, and intellectual concepts and institutions of the West, from the Paleolithic origins of humans through the Reformation.

HIST 1120 - Western Civilization II
(3L)(3CR) [E] A general survey of the modern world, from the Reformation to the present. Emphasis is equally divided between national histories and the development of Europe as a whole, including the impact of the West on the entire world.

HIST 1211 - United States to 1865
(3L)(3CR) [E] A survey of the economic, social and political development of the United States from earliest exploration through the Civil War, with some emphasis on the American Constitution and its development as well as the Wyoming Constitution. This course will satisfy the statutory requirement of the U. S. and Wyoming Constitutions for Casper College and the University of Wyoming.

HIST 1221 - United States from 1865
(3L) (3CR)(3CR) [E] A survey of the economic, social, and political development of the United States from reconstruction to the present. This course will satisfy the statutory requirement of the U.S. and Wyoming Constitution.

HIST 1251 - History of Wyoming
(3L)(3CR) [E] A survey course which examines aspects of Wyoming's frontier history. This course will also satisfy the statutory requirement of the U.S. and Wyoming Constitution.

HIST 2080 - Holocaust
(3L)(3CR) [E] This course will explore the foundations of the Third Reich beginning immediately after World War I and ending in May 1945. Among the issues that will be discussed are the economic, military and social factors that led to the rise of National Socialism, Adolf Hitler and the other members of the NSDAP hierarchy that influenced the development of political and social doctrine in Germany, the legal maneuvering that legitimized genocide, the role of the SS including concentration camp administration and mobile killing operations in the East. The process of deportation, ghettoization and liquidation of the Jews of Europe in the death camps will be a central area of emphasis.

HIST 2115 - Twentieth Century Europe
(3L)(3CR) History 2115 analyzes European history from 1900-1991. Special attention will be paid to the Great War, Russian Revolution, World War II and the Cold War.

HIST 2220 - Great Trials of Western Civilization
(3L)(3CR) A survey of the most dramatic trials in Western Civilization. Students will study original transcripts and eyewitness accounts, as well as re-enact the trials.

HIST 2240 - History of Russia Since 1855
(3L)(3CR) General survey of modern Russian history from 1855 to present.

HIST 2300 - World War II
(3L)(3CR) The Second World War is, arguably, the most significant military, political and social event of the Twentieth Century. The millions of military and civilian deaths, the destruction of infrastructure and the postwar Allied military governments in Germany and Japan all affected the way that the world was shaped. In this class we will examine the Second World War including the political and social upheaval in Europe following World War One that made possible the rise of National Socialism in Germany and Bolshevism in Russia. The expansionist goals of Imperial Japan and the resulting Pacific war will also be discussed as will the Holocaust and the Nazis' war against the Jews of Europe.

HIST 2450 - History of Ireland
(3L)(3CR) This course surveys the history of Ireland beginning with the Celtic invasion of the island to 21st century efforts to establish a lasting peace in the North. Major topics include the impact of invasions (Celtic, Viking, and especially English) early modern, and modern Irish History.

HIST 2475 - Independent Study
(1-3CR) An opportunity for students to develop projects in their particular area of interest within the history discipline.

HIST 2490 - Topics: (Subtitle)
(1-4CR) Offered in answer to specific need or public interest. A student may repeat this course twice under different subtitles to a maximum of six credit hours.

HLED 1006 - Personal and Community Health
(3L)(3CR) [E] Designed to develop the understanding, attitudes, and practices which contribute to better individual and community health.

HLED 2006 - Health for Elementary Educators
(1L)(1CR) This course acquaints elementary education students with methods of teaching and assessing health education standards to elementary students.

HLTK 1200 - Medical Terminology
(3L)(3CR) An introduction to medical vocabulary and terminology. The use of abbreviations, suffixes, and combining forms are stressed to give the student a working knowledge of medical terms.

HLTK 1300 - Nursing Boot Camp
(1L)(1CR) Provides students with academic skills and strategies for successful transition into the Casper College Nursing Program. Topics include resources available at Casper College, strategies for studying and test-taking, review of teaching-learning modalities used in the nursing program, introduction to the Nursing Student handbook, review of the application process, and development of an action plan to support success. Course has online, campus and group activities.
Prerequisites: HMDV 1300 or concurrent enrollment.

HLTK 1350 - The HIV/AIDS Epidemic
(2L)(2CR) Designed to provide college students with a basic understanding of HIV infection and AIDS. The epidemiology, prevention, immune system, clinical manifestations and treatments of HIV infection and the associated diseases will be presented. Psychosocial, ethnic, cultural, and rural issues as well as ethical, legal, political, and economic concerns will be discussed.

HLTK 1370 - Issues in Women's Health
(2L)(2CR) This is an interactive class with Internet and community research activities and in-class discussion of topics relevant to today's woman. The focus will be promotion of physical and mental wellbeing. Areas of discussion will include but are not limited to: obesity, eating disorders, environmental toxins, stress, anxiety, depression, cardiovascular health, cancer, substance abuse, domestic violence, sexual assault and becoming a wise health-care consumer.

HLTK 1500 - Introduction to Health Care and Services
(2L)(2CR) Concepts of health care organization, finance, and delivery in the United States. Explores interrelationships among agencies, organizations, and personnel in the delivery of health care. (Fall semester.)

HLTK 1520 - Non-Health Care Provider Medical Terminology
(1L)(1CR) This course enables nonclinical health care personnel to recognize and understand hundreds of medical terms based on newly gained knowledge of how words are constructed. This course will NOT meet the requirements for any Casper College health science curriculum.

HLTK 1550 - Introduction to Health Careers I
(1L)(1CR) Students will explore allied health occupations.

HLTK 1555 - Introduction to Health Careers II
(1L)(1CR) Students will access, process, and communicate information about health occupations and medical issues using the appropriate technologies and tools.

HLTK 1620 - American Heart Association Heart Saver First Aid, CPR and AED
(.33LB)(.33CR) Provides training in adult, child and infant cardiopulmonary resuscitation (CPR), foreign body airway obstruction, and the use of an automated external defibrillator (AED). Also provides training for laypeople in first aid assessments and actions. S/U grading only.

HLTK 1625 - American Heart Association BLS for the Healthcare Provider
(.13L, .2LB)(.33CR) Designed to introduce the student to the cardiopulmonary resuscitation techniques needed by health care providers for adult, child and infant including use of the automatic external defibrillator (AED). S/U grading only.

HLTK 1660 - Advanced Cardiac Life Support
(.66LB)(.66CR) This course is designed to introduce the Allied Health Professional to the concepts and techniques of Advanced Cardiac Life Support and includes both lecture and hands on practical application of knowledge and skills necessary to provide Advanced Cardiac Life Support to a patient in need. S/U grading only.
Prerequisites: This course is designed for Allied Health students in their final semester of discipline-specific instruction. Participants must have a current AHA BLS for HCP Provider certification. Students are also required to complete a precourse self-assessment prior to the beginning of class. Those not completing the assessment will not be allowed into the class.

HLTK 1675 - AHA Pediatric Advanced Life Support
(.66LB)(.66CR) This course is designed to introduce the Allied Health Professional to the concepts and techniques of Pediatric Advanced

Life Support and includes both lecture and hands on practical application of knowledge and skills necessary to provide Pediatric Advanced life Support to a patient in need. S/U grading only. Prerequisites: This course is designed for Allied Health students in their final semester of discipline-specific instruction. Participants much have a current AHA BLS for HCP Provider certification. Students are also required to complete a precourse self-assessment prior to the beginning of class. Those not completing the assessment will not be allowed into the class.

HLTK 1855 - Assistive Technology Practicum
(6LB)(3CR) This course is designed to provide hands-on experience with various areas of assistive technology. Students will participate in general assistive technology (AT) evaluation concepts, exploration of different types of assistive technology equipment and application of AT to various populations.
Prerequisites: HLTK 1625 or equivalent CPR certification.

HLTK 1860 - Conditions and Symptomology
(3L)(3CR) This course is designed to provide a general overview of common diagnoses and conditions addressed through therapeutic interventions. Emphasis will be on considerations of symptomology, ethical and safety considerations as well as interagency collaboration.

HLTK 1865 - Equine Assisted Therapy Practicum
(6LB)(3CR) This course is designed to provide hands-on experience with various aspects of equine assisted therapy. Students will participate in activities to incorporate concepts of general equine care and handling, utilizing riding and equine management from a therapeutic perspective and addressing mental health and physical disability through equine assisted therapy.
Prerequisites: HLTK 1625 or equivalent CPR certification.

HLTK 1870 - Therapeutic Applications
(3L)(3CR) This course is designed to introduce students to the concepts of therapeutic interactions, facilitating a positive work environment through effective communication and understanding various roles in the team process.

HLTK 1875 - Gerontology Practicum
(6LB)(3CR) This course is designed to provide hands on experience working with geriatric clients. Students will participate in learning about gerontology, health and wellness and fall prevention in the geriatric population. The students will have the opportunity to work with geriatric clients in regards to general strengthening, providing resources to improve overall health and wellness and to address fall prevention through home reviews.
Prerequisites: HLTK 1625 or equivalent CPR certification.

HLTK 1975 - Spanish for Health Care Workers
(3L)(3CR) A course designed for health care workers or students in the health care industry who have little or no background in Spanish. The course presents the student with health care terminology, basic grammar and aspects of Hispanic culture. There is an emphasis on the basic language skills of conversation and comprehension to prepare individuals to work with Spanish-speaking clients in a variety of health care settings.

HLTK 2120 - Physical Assessment and Laboratory Data Interpretation
(3L)(3CR) This course will be taught by utilizing a systems method. Each body system will be reviewed. Appropriate physical assessment techniques for that system will be introduced and reviewed. Laboratory testing for each system will be analyzed and reviewed so that students will understand their relevance in determining client status. Students will recognize that physical assessment and laboratory data evaluation are essential components of any healthcare provider's toolkit.
Prerequisites: ZOO 2040, ZOO 2041, and ZOO 2110.

HLTK 2200 - Sectional Anatomy
(2L, 2LB)(3CR) Comprehensive coverage of head, neck, thorax, abdomen, pelvis and extremities in sagittal, transverse and coronal planes. A background in imaging is highly recommended but not required.
Prerequisites: ZOO 2040, ZOO 2041, and ZOO 2110.

HLTK 2400 - Complementary and Alternative Therapies (CAT) and Nursing
(3L)(3CR) This elective course introduces the nurse or nursing student to the ever-expanding areas that are Complementary and Alternative Therapies (CAT) or Complementary and Alternative Medicine (CAM). The impact of these therapeutic modalities is explored as well as the implications for nursing practice. This course is informative only. You will not learn to be a practitioner of any of these modalities; you will be learning only about said therapies. This course will encompass many therapeutic modalities: music therapy, aroma therapy, massage therapy, acupuncture, acupressure, herbal remedies, and reflexology. Other information covered will include Reiki, therapeutic touch, and guided imagery. Additional topics will be covered as well.

HLTK 2550 - Understanding the Economics, Ethics, and Policies Influencing Health Care
(3L)(3CR) Legal, ethical, economical, and political issues related to health policy that impact the care of patients by health care providers. Rural and urban health care issues will be emphasized. Utilization of professional associations will be included.

HLTK 2990 - Topics: (Subtitle)
(1-12CR) Offered in answer to specific need or public interest. A student may repeat this course under different subtitles to a maximum of 12 credit hours.

HMDV 0960 - Basic Physiologic Principles
(2L)(2CR) An on-line tutorial course designed to provide the skills required to be successful in BIOL 1000.
This course will be taken concurrently with BIOL 1000.

HMDV 1000 - College Success
(1L)(1CR) Provides students with academic and personal strategies for a successful transition to the college. Topics include time management and organization, stress management, reading and memory techniques, note taking, study skills, and test taking. This course will also introduce the student to campus and community resources that are available to help students succeed.

HMDV 1005 - International Student Success
(1L)(1CR) This course offers international students some academic and personal strategies for making successful transition to Casper College and to campus life in the United States. Topics include phases of cultural transition, planning and goal-setting, test-taking skills, motivation and expectations, resources, safety, health, and stress management.

HMDV 1010 - College Success: Personal Strategies
(1L)(1CR) Provides students with vital personal skills and strategies that support academic achievement. Topics include self-esteem and motivation, problem-solving and critical thinking, career exploration, values clarification, diversity, communication and relationships, financial wellness, and health and resiliency. This course can serve to build upon skills learned in HMDV 1000, or can stand alone as a personal growth course.

HMDV 1020 - Generation Next
(3L)(3CR) Generation Next delivers life skills development through group discussions, role-playing, and skill-building exercises in six key result areas: self-confidence, communication skills, teamwork and leadership skills, interviewing and professional presentation skills, and effective attitude management. This course will help participants develop core concepts and skills critical to personal and professional success.

HMDV 1025 - Introduction to Online Learning
(1L)(1CR) This fully online course is designed to teach students how to use and navigate through the Moodle4Me course management system, learn the basics of internet use, email communication, file management, college resources, and library use. Students will use various tutorial materials and corresponding hands-on activities to complete requirements.

HMDV 1200 - Academic and Career Orientation
(2L)(2CR) This course consists of three primary components: self-assessment, including assessment of the student's interests, aptitudes, and values; job search skills, including learning how and where to look for employment, devising cover letters and a resume, proper completion of employment applications, interview skills, and follow-up techniques; and a series of guest speakers who lecture and answer questions concerning a variety of careers, thereby expanding the student's knowledge about occupations.

HMDV 1300 - On Course
(2L)(2CR) Provides students with academic and personal strategies for a successful transition to the college. Topics include study skill techniques such as reading, note taking, test taking and organizing and rehearsing study materials. Other topics touched on include accepting responsibility, motivation, self-management, interdependence, and self-awareness. This course will also introduce students to campus resources.

HMDV 1485 - Human Potential Seminar
(2L)(2CR) A seminar designed so that each student increases awareness of human potential development through the concepts of social learning theory, modeling and behavioral principles. Emphasizes the roles of motivators, reinforcers, goals, values, successes, achievements, needs and strengths in regard to productive individual behavior.

HMDV 2490 - Topics: (Subtitle)
(1-3CR) (Max. 5) Provides special consideration of focused topic areas in human development.

HMDV 2495 - Workshop: (Subtitle)
(1-3CR) (Max. 6) Workshops, seminars, or presentations programmed to enhance the personal and psycho-educational growth and development of participants.

HMSV 1010 - Orientation to Human Services
(3L)(3CR) This course presents an overview of the broad field of human service. Specific topics include the history, organizational structures, procedures, legal, and ethical issues in the human service system.

HOSP 1520 - Introduction to Hotel-Motel Management Industry
(3L)(3CR) Overview of hotel-motel management. For persons having a career interest in the hotel-motel industry and for those wishing to develop or improve their job skills. Includes the history, structure, and social and economic background of the industry; the lodging market and the organization of hotel-motel operations and career opportunities.

HOSP 1540 - Hotel/Motel Front Office Operations
(3L)(3CR) Traces the flow of activities and functions performed in today's lodging operations with a comparison of manual, machine-assisted, and computer-based methods for each front office function.

HOSP 1560 - Convention Sales and Management
(3L)(3CR) Defines the scope and various segments of the convention market, explains what is required to meet individual needs, and explores methods and techniques which lead to better sales and service.

HOSP 1570 - Human Resource Hospitality Management
(3L)(3CR) This course presents a systematic approach to human resource management in the hospitality industry. Students will analyze contemporary issues and practices, as well as the trends that transform the way people are managed.

HOSP 1580 - Customer Service and Conflict Resolution
(3L)(3CR) This course will provide the students the opportunity to understand and demonstrate the importance of customer service and conflict management in today's competitive work environment. In addition, the student will acquire the soft skills to effectively communicate with customers using a great customer service attitude. The ability to understand and resolve conflict using various methods will be examined.

HOSP 2520 - Marketing of Hospitality Services
(3L)(3CR) This course teaches how to use proven marketing techniques to improve business, and how to discover, identify and reach the desired customer by using marketing tactics specific to hospitality services.

HOSP 2535 - Planning and Control for Food and Beverage Operations
(3L)(3CR) Students will be exposed to the most up-to-date control processes used to reduce costs in food and beverage operations worldwide. The course provides an increased focus on multi-unit-management and technology applications and exposing students to cutting-edge resources.

HOSP 2540 - Bar and Beverage Management
(3L)(3CR) This course provides an introduction to bar and beverage management; planning, equipping, staffing, operating, and marketing a facility; how beverages are made, purchased, controlled and mixed into different kinds of drinks.

HOSP 2600 - Leadership and Management in the Hospitality Industry
(3L)(3CR) This course explores quality and leadership issues in today's hospitality industry. Topics include power and empowerment; communication; goal setting; high-performance teams; diversity; managing organizational change; and strategic career planning. Students will learn why traditional management theories don't fit today's industry, and how a company's service strategy relates to guest perception of value.

HOSP 2620 - Training and Development for the Hospitality Industry
(3L)(3CR) Training is the key to keeping pace with the hospitality industry's changing demands for a qualified workforce. Learn how to develop, conduct, and evaluate one-on-one and group training that will reduce turnover, improve job performance, and help any organization attain its goals. Students will discover why training is an important investment for their property, how to train various levels of employees and how to implement effective instructional design techniques and processes.

HOSP 2980 - Cooperative Work Experience (Hospitality Management)
(1-3CR) (Max. 9) Students are afforded the opportunity to gain practical on-the-job experience in their area of hospitality management. Students will be supervised by the program coordinator and the employer. A minimum of 80 hours of on-the-job training represents one credit hour. Student must maintain 12 credit hours with a 2.0 GPA during the semester.
Prerequisites: full-time hospitality management major and permission of program coordinator.

HUMN 2020 - Introduction to American Culture
(3L)(3CR) This course is designed as an overview of American culture. All students will develop a framework for a better understanding of some specific aspects of American life, such as family, education, religion, politics and business. This course will be particularly beneficial for students who have a limited knowledge of the values, perspectives, institutions, and traditions which bind Americans together.

HUMN 2045 - Asian Art and Culture
(3L)(3CR) A survey of the visual arts produced in Asia and the Pacific region from the Neolithic era forward. Emphasis will be placed on understanding the cultural, political and/or religious significance of the works in addition to the styles and methods employed in their creation.

HUMN 2140 - World Literature I
(3L)(3CR) Although primarily a study of the literature of the Classical Period of ancient Greece and Rome, some attention will be paid to the other arts, to religion, and to philosophy. Literary values and the qualities of the greatness of selected works of Western civilization, including any ideas embodied in those works, will be the focus.
Prerequisites: ENGL 1010.
Cross-listed: (Cross-listed as ENGL 2140.)

HUMN 2150 - World Literature II
(3L)(3CR) Although primarily a study of the literature of the Middle Ages and beyond, attention will be paid to the other arts, to religion, and to philosophy. Literary values and the qualities of the greatness of selected works of Western Civilization, including any ideas embodied in those works, will be the focus. The class may also include works, including modern works, late in the semester.
Prerequisites: ENGL 1010.
Cross-listed: (Cross-listed as ENGL 2150.)

HUMN 2230 - Humanities in Europe: Study of the Origins of Western Culture
(3L)(3CR) A study of the origins of Western culture by participating in Casper College's "Humanities Program in Europe." Students will read certain European literary classics before leaving for Europe (Decameron, Autobiography of Benvenuto Cellini, Life of St. Francis of Assisi, etc.). In Europe, students will take trips to historical and cultural sites, primarily in Florence, Italy and other nearby cities (Assisi, Rome, Venice, Pisa, etc.) in order to study Western cultural origins by directly experiencing the visual arts: painting, sculpture, and architecture. Lectures will be given in Europe in which an attempt will be made to integrate what students have read and experienced.

HUMN 2250 - Ideas in Ancient Literature, Greek, Roman, Hebrew
(2-3L) (2-3CR) The study of representative literary classics selected from Greek, Roman and Hebrew literature.

HUMN 2251 - Ideas in Medieval Literature
(2-3L) (2-3CR) The study of representative literary classics selected from Medieval literature.

HUMN 2252 - Ideas in Renaissance Literature
(2-3L) (2-3CR) The study of representative literary classics selected from Renaissance literature.

HUMN 2253 - Ideas in Modern Literature
(2-3L) (2-3CR) The study of representative literary classics selected from modern literature.

HUMN 2320 - The Quest for American Identity
(3L)(3CR) This interdisciplinary seminar explores the question of what it means to be an American. By learning from earlier debates over immigration and the African American experience, we will shed light on the role of race and ethnicity in the quest for American identity in the postmodern era. Prerequisites: admission into the honors program.

HUMN 2425 - World Health
(3L)(3CR) Health is defined by culture and is manifested in the daily life of a society through values, beliefs, health practices, family systems, finances, politics, education, arts and the environment. In addition, the ongoing issues of access, quality and cost of healthcare affect the health of individuals and communities. They also have an impact on the economy and the quality of life of a society. Students must enroll in the college tour attached to this course independently, to ensure travel arrangement to make this learning experience possible.

HUMN 2475 - Independent Reading in Humanistic Values
(1-3CR) (Max. 6) of credit under the tutelage of an instructor who agrees to work with the student. The instructor may also require some written work from the student, but this is left to the instructor's discretion.

HUMN 2485 - Seminar in Humanities: (Subtitle)
(1-3L) (1-3CR) (Max. 12) Offered in answer to specific need or public interest. Includes intensive seminars with a concentrated focus.

HUMN 2490 - Special Topics in Humanities: (Subtitle)
(2-3L)(2-3CR) (Max. 12) This course (with specific subtitles) will be offered periodically.

IMGT 2400 - Introduction to Information Management
(3L)(3CR) [E] Concerned with managing the use of information systems to make organizations more competitive and efficient. Specific topics include organizational and technical foundation of information systems and building and managing systems.
Prerequisites: COSC 1200.

INET 1510 - Website Analysis
(2LB)(1CR) This course introduces methods of assessing website design and content via the Internet from home or from Casper College computer labs. It identifies issues, goals, and resources concerning website design. In this online course, the content is devoted to presentations, reports, collaborative activities, and analytical skills to critically appraise websites. Students gain knowledge to help them evaluate current trends of website design. Internet experience is recommended.

INET 1550 - Introduction to the Internet
(.5L, 1LB)(1CR) This class is designed to prepare students to use the Internet in an informed and responsible manner. Course content includes electronic communication, methods for accessing information, and Internet activities of file transfer, telnet, listserv, and World Wide Web browsers. Ethical issues and acceptable use policies will be discussed. Keyboarding ability is recommended.

INET 1580 - Web Page Authoring
(.5L, 1LB)(1CR) This course is an introduction to World Wide Web (WWW) page authoring using the HyperText Markup Language. It is designed for the student with little or no experience using HTML code to create web pages. Students will learn how to create WWW pages without using costly WYSIWYG (what-you-see-is-what-you-get) editing tools, but by utilizing simple text editors that are freely available. Students will gain a functional knowledge of the hypertext markup language (HTML), and will establish a "website" consisting of individual home page(s), or other content with consent of instructor. Students are expected to complete three web-based tutorials, a final exam and a lab assignment or "project." Students will publish their lab assignment(s) to a web-accessible location on the Internet for evaluation. Ethical issues and responsible behavior will be discussed. Students will be expected to spend an additional 16 hours in a laboratory setting. This course is a requirement for all Casper College students who wish to publish web pages on a Casper College web server.
Prerequisites: students should have an Internet Service Provider (ISP), providing web space and e-mail. Basic keyboarding skills and familiarity with the Windows interface are necessary.

INET 1590 - Web Page Design
(2L, 2LB)(3CR) This course is an introduction to web page authoring. Students develop basic skills in: designing, formatting, managing collections of related web pages, finding WWW resources, and publishing to a server. Extra laboratory work may be required. Windows and Word experience are recommended.

INET 1610 - Dynamic Web Graphics
(2L, 2LB)(3CR) This course introduces students to dynamic web graphics. Upon completion of this course, participants will have the skills to design and deliver low-bandwidth dynamic websites that incorporate vector graphics with bitmaps, audio, animation, and advanced interactivity to create web experiences that attract and engage visitors. Keyboarding ability is recommended.

INET 1650 - Introduction to HTML and DHTML
(1L, 2LB)(2CR) Students will learn the essential concepts of HTML, XHTM, and DHTML. They will begin by developing a basic web page and move on to developing a basic web site. Topics include: working with page design, tables, and frames; creating web page forms; working with cascading style sheets; using multimedia on the Web; XHTML and JavaScript; working with objects, special effects, windows and frames, forms and regular expressions, and event models. The last section explores working with dynamic content and styles.

INET 1885 - Adobe Photoshop for the Web
(2L, 2LB)(3CR) This course will teach students key Photoshop concepts and techniques utilizing the industry standard digital imaging software, Adobe Photoshop CS3. Using clear, step-by-step, project based lessons, students will walk through the creation of a specific project with each class building on the student's growing knowledge of the program. The information will be geared toward GUI (Graphic User Interface) specifically based on current WC3 web standards and best practices.

INET 1890 - Introduction to Web Design
(2L, 2LB)(3CR) This course will allow students to explore and discuss, among many topics, the history of web design, web constraints and advantages, web vs print, design basics, site purpose/location/content, matrix design, accessibility, usability, style, look and feel, fixed vs liquid, liabilities, copyrights, inspiration and trends, etc. Students will also learn what is considered "good" vs "bad" in the subjective and ever-changing world of web design.

INET 1895 - Introduction to Internet Marketing
(2L, 2LB)(3CR) This course will teach students about the ever changing world of marketing on the World Wide Web. The Web is the first marketing tool on earth that allows for instant networking to billions of potential customers within a personalized relationship model.
As businesses the world over transform advertising resources to take advantage of this phenomenon, Web marketing is becoming an increasingly valuable and powerful tool. Students will incorporate contemporary software platforms related to online video and social media, and apply foundational knowledge in contemporary Internet Marketing applications.

INET 2500 - Introduction to ASP.NET
(2L, 2LB)(3CR) Students will learn ASP.NET through technical documentation, hands-on projects, and case studies. Students will also be introduced to server-side Internet programming. Revolutionizing the way web applications are developed, ASP.NET is built on Microsoft's .NET framework utilizing Visual Studio.NET 2003. Students will not only tackle beginning web programming and how to create and maintain interactive and dynamic web applications, they will also explore the Internet as an essential business tool. Students are guided from beginning web applications, to object-oriented programming, to using advanced web form server controls.
Prerequisites: INET 1650 or equivalent coursework.

INET 2665 - New Media Communication
(2L, 2LB)(3CR) Students will receive an introduction into the field that includes all forms of computer-enhanced communication. They will be exposed to the possibilities of utilizing facets of this realm within business and marketing initiatives. Mediums such as television and radio stand to gain from the advantages of two-way dialogue with consumers primarily through the Internet. Examples include video games and virtual worlds as they impact marketing and public relations, multimedia CD-ROMs and DVDs, interactive websites, blogs and vblogs, podcasting, mobile devices, streaming video and streaming audio, online communities, and much

more as the technology progresses.
Prerequisites: permission of the instructor.

INET 2670 - Internet Ethics and Cyber Law
(3L)(3CR) This course will discuss current statutes and possible future trends in Internet ethics and cyber law. We will discuss such topics as intellectual property law vs the first amendment, copyrights, trademarks and the Web, cookies, email privacy, censorship, seminal legal cases and much more.

INET 2675 - Web Design Business Fundamentals
(3L)(3CR) This course will present proven techniques for building a successful web design business. It will include strategies to win more business and boost income and will assist students in overcoming the fear of selling themselves and their business. It will also offer practical advice on organizing a business and techniques to maximize revenue from existing and new clients.
Prerequisites: permission of the instructor.

INET 2895 - Web Design Capstone/Seminar
(2L, 2LB)(3CR) The student will participate in an individual or group class project whereas they research, design, construct and maintain a complete interactive website for a local nonprofit agency or group that is approved by the instructor. This will serve as a culminating activity implementing all appropriate modalities taught within the degree parameters. The website(s) will be handed over to the nonprofit at the end of the course free of charge for them to carry forward.
Prerequisites: permission of the instructor.

INST 2350 - Introduction to Global Studies
(3L)(3CR) This course introduces students to the main components of the interdisciplinary major in International Studies and to provide preparation for further study of key issues related to globalization.

ITEC 2360 - Teaching with Technology
(3L)(3CR) [E] Introduction to effective use of computers and other instructional technologies for instruction; software/hardware selection; integrated, professional, and instructional applications as applied to all areas and levels of P-12 education.
Prerequisites: EDFD 2020 and EDCI 1500.

ITEC 2525 - Teaching Online with Moodle
(2L, 2LB)(3CR) The purpose of this course is to assist faculty in becoming more familiar with the Moodle Learning Management System (LMS). Faculty will study the skills required for constructing and delivering a course in the Moodle platform.

JAPN 0900 - Japanese for Travelers
(1L)(1CR) This course uses a multi-skill approach; listening, speaking, reading and writing of vocabulary appropriate to travelers who visit Japanese-speaking areas. Students will also become familiar with the culture of Japan.

JAPN 1010 - First Year Japanese I
(4L)(4CR) This course provides an introduction to the Japanese language through a multi-skill approach and understanding of the Japanese culture/society. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.

JAPN 1020 - First Year Japanese II
(4L)(4CR) This course is a continuation of JAPN 1010. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: JAPN 1010.

JAPN 2030 - Second Year Japanese I
(4L)(4CR) [E] This course is a continuation of Japanese language study at a higher level. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: JAPN 1020.

JAPN 2490 - Topics in Japanese: (Subtitle)
(1-4CR) Offered in answer to specific need or public interest. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.

KIN 1020 - Taping and Wrapping for Orthopedic Injuries
(2LB)(1CR) This course introduces students to basic taping and wrapping techniques used to prevent and treat common orthopedic pathologies. Students will obtain both didactic information and practical application of taping and wrapping techniques, splinting and ambulatory devises, as well as guidelines for fitting protective equipment.

KIN 1052 - Introduction to Athletic Training
(3L)(3CR) [E] The purpose of this course is to provide the prospective athletic trainer with the skill and knowledge necessary to implement a risk management and preventative program for athletes and others involved in physical activity.

KIN 1058 - Emergency Management of Athletic Injury/Illness
(3L)(3CR) [E] The purpose of this course is to provide the prospective athletic trainer with the skill and knowledge necessary to provide for emergency care, triage, and management of emergencies and life-threatening situations for the physically active.

KIN 2050 - Functional Kinesiology
(2L, 2LB)(3CR) Building from anatomy knowledge, this course provides a study of normal mechanics of human movement and functional limitations related to disabling conditions. Upper and lower extremity function is studied. Range of motion and manual muscle testing of kinesthetic movement are practiced. Neuroanatomy concepts related to disabling conditions are presented.
Prerequisites: ZOO 2040/ZOO 2041.

KIN 2057 - Assessment and Evaluation of Athletic Injuries/Illness I
(3L)(3CR) This course provides the prospective athletic trainer with the skill and knowledge necessary to evaluate and recognize upper extremity, cervical spine, and head injuries that occur to the athlete and the physically active.
Prerequisites: KIN 1052, KIN 1058, ZOO 2040, and ZOO 2041.
Concurrent enrollment in KIN 2068 is required.

KIN 2058 - Assessment and Evaluation of Athletic Injuries/Illness II
(3L)(3CR) This course provides the prospective athletic trainer with the skill and knowledge necessary to evaluate and recognize lower extremity and spine injuries that occur to the athlete and physically active.
Prerequisites: KIN 2057.
Concurrent enrollment in KIN 2078 is required.

KIN 2068 - Athletic Training Clinical I
(2LB)(1CR) This course provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 1052 and KIN 1058 are applied in the clinical and field settings.
Prerequisites: KIN 1052.
Concurrent enrollment in KIN 1058 is required.

KIN 2078 - Athletic Training Clinical II
(2LB)(1CR) This course provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 1052 and KIN 1058 are applied in the clinical and field settings.
Prerequisites: KIN 1052 and KIN 1058.
Concurrent enrollment in KIN 2058 is required.

KIN 2098 - Athletic Training Clinical III
(2LB)(1CR) This course provides clinical and field experience for the athletic training student. Skill and knowledge learned in KIN 1052, KIN 1058 and KIN 2057 are applied in the clinical and field settings.
Prerequisites: KIN 1052, KIN 1058, ZOO 2040, ZOO 2041.
Concurrent enrollment in KIN 2057 is required.

KIN 2135 - Directed Study in Human Prosection
(1L, 4LB)(3CR) In this course students will engage in detailed regional dissection of the human body with an emphasis on dissection techniques. It is designed to provide students who already have experience working with a human anatomical donor an additional opportunity to enhance their knowledge of human structure. The donor used for this course will serve as the prosection specimen in ZOO 2140.
Prerequisites: ZOO 2140, or permission of the instructor.

LATN 1010 - First Year Latin I
(4L)(4CR) The course will cover reading and writing the Latin language; Latin grammar and vocabulary; principles of English grammar and structure; Latin mottoes and proverbs in use today; English derivatives; study of Roman life, history and mythology; and study of how the Romans have influenced architecture, English, literature, medicine, law, government, science, Romance languages, math, advertising, business, and many other subjects. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.

LATN 1020 - First Year Latin II
(4L)(4CR) The course will expand on the material covered in LATN 1010. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: LATN 1010.

LATN 2030 - Second Year Latin I
(4L)(4CR) Students will read simple texts, short stories and dramas of Roman authors and review Latin grammar and conversation. The course will build on information learned in LATN 1010 and LATN 1020, including: reading and writing the Latin language; Latin grammar and vocabulary; principles of English grammar and structure; Latin mottoes and proverbs in use today; English derivatives; study of Roman life, history and mythology; study of Roman influence in architecture, literature, medicine, law, government, science, Romance languages, math, advertising, business, English, and many other subjects. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: LATN 1020 or equivalent.

LEGL 1610 - Introduction to the Paralegal Profession
(3L)(3CR) An introduction to the skills necessary to perform paralegal tasks such as briefing cases and interviewing clients. Will introduce students to substantive legal concepts, ethics, and to careers in the paralegal profession.

LEGL 1620 - Transactional Law
(3L)(3CR) Transactional law for the paralegal covers contracts, corporations, probate, and real property skills necessary for the practicing paralegal. Students also participate in a job search seminar.
Prerequisites: LEGL 1610.

LEGL 1700 - Legal Analysis
(3L)(3CR) Covers briefing, legal analysis, and synthesizing skills. Students will brief, analyze and synthesize cases on substantial law issues.
Prerequisites: LEGL 1610 or concurrent enrollment.

LEGL 1710 - Legal Research and Writing I
(3L)(3CR) Covers the basic tools of legal research: citation, federal and state decisions, digests, statutes, law reviews, the use of Shepard's and Westlaw. Students complete research exercises and write an interoffice memorandum.
Prerequisites: LEGL 1610, or permission of the instructor.

LEGL 1720 - Legal Research and Writing II
(3L)(3CR) Covers legal writing, fact investigation, interviewing fact witnesses, drafting witness statements and legal drafting.
Prerequisites: LEGL 1710.

LEGL 2500 - Civil Procedure
(3L)(3CR) Uses the Federal Rules of Civil Procedure and the Wyoming Rules of Civil Procedure to teach service of process, filing, discovery, and execution of judgments. Includes the drafting of pleadings and discovery documents, digesting depositions, compiling a medical chronology and case management.
Prerequisites: LEGL 1610.

LEGL 2550 - Litigation Support
(3L)(3CR) Covers substantive tort law in the framework of a trial. Students learn skills necessary to perform as litigation assistants by organizing a trial notebook, working with experts, preparing exhibits, and researching motions.
Prerequisites: LEGL 2500.

LEGL 2610 - Family Law
(3L)(3CR) Covers the substantive law of domestic relations with specific emphasis on the role of the paralegal in these cases.

LEGL 2970 - Legal Assistant Internship
(1-3CR) (Max. 6) Students are placed in a law firm, clerk's office, public defender's office, district attorney's office, or other appropriate legal environment. Students will be provided the opportunity to work as paralegals under the supervision of a lawyer and the instructor.
Prerequisites: LEGL 1710 and LEGL 2500.

LEGL 2975 - Independent Studies for the Legal Assistant
(1-3CR) (Max. 6) Faculty-guided research in areas of law relevant to a paralegal career. Students will be given the opportunity to research legal cases, law review articles and other materials. Students will be required to complete projects which will refine their paralegal skills.
Prerequisites: LEGL 1710.

LIBS 2280 - Literature for Children
(3L)(3CR) [E] A survey course designed for reading and discussion of works of literature for children. Selection of children's books for school, home, and library is stressed. In order to establish criteria for evaluation, students are expected to become acquainted with a wide sampling of children's literature including classics, both old and new.
Prerequisites: ENGL 1020.

LIFE 1020 - Life Science
(3L, 3LB)(4CR) [E] Life Science is an introductory course emphasizing 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. This course fulfills a laboratory science requirement for non-biology majors such as those in the social and behavioral sciences, humanistic studies, etc.
This course is a requirement of elementary education majors and should be taken prior to or concurrently with EDCI 1430.

LIFE 2400 - General Ecology
(3L)(3CR) [E] An introduction to the principles of ecology. Topics stressed include ecosystems, communities, populations, succession, aquatic and terrestrial habitats, natural selection, abiotic interactions, and speciation.
Prerequisites: BIOL 1000, BIOL 1010 or equivalent
Cross-listed: BIOL 2400

LIFE 2410 - Field Ecology I
(5LB)(2CR) [E] A field and laboratory course to introduce research methods in general ecology. Includes required field trips.
Prerequisites: BIOL 1010, or permission of the instructor.
Cross-listed: BIOL 2410

LIFE 2480 - Cooperative Work Experience
(1-8CR) This course provides the opportunity to gain life science and/or wildlife management concepts from a vocational or employment experience within the student's area of specialization. A minimum of 80 hours of on-the-job training represents one semester credit hour. The instructor and the employer will supervise students.
Prerequisites: Preapproval/consent of instructor; Life Sciences, Environmental Science, or Wildlife Management major. Students must have a 2.0 GPA.
Cross-listed: ENR 2480

MATH 0860 - Fundamental Mathematics Review
(1L)(1CR) Individualized, self-paced instruction in essential pre-algebra and algebra topics spanning fractions, decimals, percents, one-variable solving, graphing, exponents and factoring. Designed to refresh students' math skills in preparation for other math courses. S, X, U grade only.

MATH 0900 - Pre-Algebra Arithmetic
(4L)(4CR) The study of rational numbers, the operations of addition, subtraction, multiplication and division of same without a calculator; also includes the study of basic order of operations, unit conversion and percent problems, and linear equations.
Prerequisites: ACT Math score of 0-18; or a COMPASS placement score in the Pre-Algebra domain of 44 or below. A 'C' or better in this class allows the student to take MATH 1000 within the next academic year.

MATH 0920 - Elementary Algebra
(4L)(4CR) The study of integer exponents and their properties; linear equations and inequalities: to solve and to graph; also includes the study of function notation and system of equations; and the study of the four basic operations of polynomials and factoring of polynomials.
Prerequisites: ACT Math score of 19-20; or a COMPASS placement score in the Pre-Algebra domain of 45-100 or Algebra domain of 0-39, within the past year, or a "C" or better in MATH 0900. A 'C' or better in the class allows the student to take MATH 0930 or MATH 1000 within the next academic year.

MATH 0924 - Pre-Algebra and Beginning Algebra
(5L)(5CR) The study of rational numbers, the operation of addition, subtraction, multiplication and division of same without a calculator; also includes the study of basic order of operations, unit conversion and percent problem; the study of integer exponents and their properties; linear equations and inequalities: to solve and to graph; also includes the study of function notation and system of equations; and the study of the four basic operations of polynomials and factoring of polynomials. This class is an accelerated course that combines MATH 0900 and MATH 0920 content in one semester and is designed for the student who needs a review of these topics.
Prerequisites: ACT Math score of 10-18; or a COMPASS placement score in the Pre-Algebra domain of 30-44. A 'C' or better in this class allows the student to take MATH 0930 or MATH 1000 within the next academic year.

MATH 0925 - Math Study Skills
(1L)(1CR) Research-based procedures and skills to improve student's math learning and grades and reduce test anxiety. S/U grading only.

MATH 0930 - Intermediate Algebra
(4L)(4CR) The study of rational expression; the operations of addition, subtraction, multiplication and division of same; also includes the study of solutions and properties of rational, quadratic, exponential and logarithmic equations; in addition, students will study applications of same.
Prerequisites: ACT Math score of 21-22, or a COMPASS placement score in the Algebra domain of 40-65 within the past year, or a C or better in MATH 0920 or MATH 0924. A 'C' or better in this class allows the student to take MATH 1100 or MATH 1400 within the next academic year.

MATH 0934 - Elementary and Intermediate Algebra
(5L)(5CR) The study of integer exponents and their properties; linear equations and inequalities: to solve and to graph; also includes the study of function notation and system of equations; and the study of the four basic operations of polynomials and factoring of polynomials; also includes the study of rational expressions; the operations of addition, subtraction, multiplication and division of same; also includes the study of solutions and properties of rational , quadratic, exponential and logarithmic equations; in addition, students will study applications of same. This class is an accelerated course that combines MATH 0920 and MATH 0930 content in one semester and is designed for the student who needs a review of these topics.
Prerequisites: ACT Math score of 19-20; or a COMPASS placement score in the Algebra domain of 28-39, within the past year; or a "C" or better in MATH 0900. A 'C' or better in this class allows the student to take MATH 1100 or MATH 1400 within the next academic year.

MATH 1000 - Problem Solving
(3L)(3CR) [E] Focuses on the strategies of problem solving. Topics in the course are taken from financial mathematics, set theory, logic, probability, statistics and discrete mathematics and "just in time" algebra topics, such as exponents that are necessary to students in their success in this class and in their major.
Prerequisites: A "C" or better in MATH 0900; or an ACT Math score of 19 or better; or a COMPASS placement score in the Pre-Algebra domain of 45-100 or Algebra domain of 0-39 within the past year, or final cumulative high school GPA of 3.7 or better.

MATH 1100 - Number and Operations for Elementary School Teachers
(3L)(3CR) [E] This course is for prospective elementary school teachers. Its purpose is to prepare students to be competent in teaching the major concepts of the real number system with the four arithmetic operations. The course includes a study of problem solving, patterns, the origin of numeration systems, sets, number theory, the properties of whole, integer, rational and real numbers, and algorithms for addition, subtraction, multiplication and division.
Prerequisites: A "C" or better in MATH 0930 or MATH 0934 or an ACT Math score of 23 or better; or a COMPASS placement score in the Algebra domain of 60-100 or College Algebra 0-64 within the past year.
Must be taken concurrently with EDEL 1410.

MATH 1105 - Data, Probability and Algebra for Elementary School Teachers
(3L)(3CR) [E] This course is a continuation of MATH 1100 and is for prospective elementary school teachers. Its primary emphasis is asking and answering questions intelligently about our world through the use of algebra, probability, and data analysis in order to prepare students to be competent in teaching these major concepts. Explorations focus on representing, analyzing, generalizing, formalizing, and communicating patterns and the chances of future events.
Prerequisites: A "C" or better in MATH 1100.

MATH 1400 - Pre-Calculus Algebra
(4L)(4CR) [E] Elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence. Includes exponential and logarithmic functions.
Prerequisites: A "C" or better in MATH 0930 or MATH 0934; or an ACT Math score of 23 or better; or a COMPASS placement score in the Algebra domain of 66-100 or College Algebra domain of 0-64, within the past year, or a final cumulative high school GPA of 3.8 or better.

MATH 1405 - Pre-Calculus Trigonometry
(3L)(3CR) [E] The study of the Unit Circle and right triangle approaches, including identities, trigonometric equations, applications of trigonometric functions, and conics. Designed for mathematics, science and engineering majors preparing for the regular calculus sequence.
Prerequisites: A "C" or better in MATH 1400; or an ACT score of 26 or better; or a COMPASS placement score in the College Algebra domain of 65-100 or Trigonometry domain of 0-60, within the past year. Deletes two hours credit from MATH 1450.

MATH 1450 - Pre-Calculus Algebra and Trigonometry
(5L)(5CR) [E] Elementary algebraic and trigonometric functions and graphing for mathematics, science, and engineering majors preparing for the regular calculus sequence. Includes the material in both MATH 1400 and MATH 1405, as described above.
Prerequisites: ACT Math score of 24-25; or a COMPASS placement score in the Algebra domain of 75-100 or College Algebra domain of 32-64 within the past year; or a "C" or better in MATH 0930 or MATH 0934. Deletes credit for MATH 1400, and two hours of MATH 1405.

MATH 2120 - Geometry and Measurement for Elementary School Teachers
(3L)(3CR) [E] This course is a continuation of MATH 1105 and is for prospective elementary school teachers. Its primary emphasis is on the development of spatial reasoning. Explorations focus on the investigations of two- and three-dimensional shapes, including their properties, measurements, constructions, and transformations with the intent of preparing students to be competent in teaching these major concepts.
Prerequisites: A "C" or better in MATH 1105. Concurrent enrollment in EDEL 2410.

MATH 2200 - Calculus I
(5L)(5CR) [E] Introduction to the calculus of single variables. Covers derivatives of polynomial, trigonometric, exponential and logarithmic functions. Includes limits, applications of derivatives and related theorems.
Prerequisites: A "C" or better in MATH 1405 or MATH 1450; or an ACT Math score of 27 or better; or a COMPASS placement score in the Trigonometry domain of 61-100, within the past year.

MATH 2205 - Calculus II
(5L)(5CR) [E] Completion of the calculus of single variables. Cover integrals of polynomial, trigonometric, exponential and logarithmic functions. Theory includes applications of integration, methods of integration, elementary differential equations, and infinite sequences and series.
Prerequisites: A "C" or better in MATH 2200.

MATH 2210 - Calculus III
(5L)(5CR) [E] Multivariable calculus, including limits and continuity of functions of several variables, partial differentiation, multiple integration, and introduction to vector calculus.
Prerequisites: A "C" or better in MATH 2205.

MATH 2250 - Elementary Linear Algebra
(3L)(3CR) [E] The study of matrices, systems of equations, vector spaces, linear transformations, eigenvectors and applications of linear algebra.
Prerequisites: A "C" or better in MATH 2355 or MATH 2200.

MATH 2300 - Discrete Structures
(3L)(3CR) Dual listing. See COSC 2300 for course description.

MATH 2310 - Applied Differential Equations I
(3L)(3CR) [E] Solution of first order differential equations, differential operators, LaPlace transforms, systems, power series solutions, and applications.
Prerequisites: A "C" or better in MATH 2210.

MATH 2350 - Business Calculus I
(4L)(4CR) [E] The study of single variable calculus emphasizing applications in business, social and behavioral, or life sciences.
Prerequisites: A "C" or better in MATH 1400; or an ACT Math score of 26 or better; or a COMPASS placement score in the College Algebra domain of 65-100 or Trigonometry domain of 0-60, within the past year.

MATH 2355 - Business Calculus II
(4L)(4CR) [E] This course is a continuation of MATH 2350. It is a study of integral calculus, emphasizing business, behavioral and social sciences. Topics include finance, matrix theory, probability, statistics and linear programming. Prerequisites: A "C" or better in MATH 2350.

MATH 2490 - Topics in Mathematics
(1-3CR) For students wanting to extend their knowledge in mathematics either beyond what is in a particular course or into other areas not covered in any existing course. It could also be used as an extra hour (and accompanying work) for those who desire to transfer to an institution where the corresponding course is for more credit. Course content and credit would be approved by the mathematics department. Depending on the topic(s), the course might involve lecture, laboratory and research. Prerequisites: Sufficient mathematics to handle the project.

MATH 2800 - Math Majors Seminar
(2L)(2CR) Introduces mathematics majors to mathematical investigation, proof, and problem-solving techniques. Students will reinforce skills from previous mathematics courses and will be introduced to concepts from more advanced courses. Emphasis is placed on oral and written communication skills in mathematics. Prerequisites: Completion of MATH 2250 with a C or better.

MCHT 1570 - Machine Trades Computations
(2L)(2CR) Practical application of mathematical problems and formulas directly related to the machine shop.

MCHT 1610 - Machine Tool Technology I
(1L, 2LB)(2CR) An introduction to machine tools and processes. Includes theory and operation of the engine lathe, vertical and horizontal milling machines, bore development and conditioning, sawing, grinding, threading, layout, and machine maintenance.

MCHT 1620 - Machine Tool Technology II
(1L, 2LB)(2CR) A continuation of MCHT 1610 with more complicated operations and in depth theory. Topics include shapers, indexing, boring, and broaching.
Prerequisites: MCHT 1610.

MCHT 1640 - Basic Machining Practice
(4L, 12LB)(10CR) Introduction to bench work and machining processes. Includes work on saws, drilling machines, engine lathes, and milling machines.

MCHT 1650 - Intermediate Machining Practice
(4L, 12LB)(10CR) A continuation of MCHT 1640 with more complicated machining operations and theory.
Prerequisites: MCHT 1640.

MCHT 1680 - Blueprint Reading
(2L)(2CR) Introduces the student to the fundamentals of blueprint reading and freehand sketching as it applies to the machine shop.

MCHT 1900 - Basic Machine Shop for Gunsmithing
(2L, 4LB)(4CR) An introduction to machine tools and processes with an emphasis on gunsmithing applications. Class will include theory and operation of the lathe, milling machines, sawing, grinding, threading, layout, precision measuring devices and tool sharpening.

MCHT 1980 - Cooperative Work Experience (Machine Shop)
(1-8CR) (Max. 8) On-the-job training with a cooperative machine shop. Weekly work reports and 80 hours of work for each hour of credit. Prerequisites: permission of the instructor.

MCHT 2650 - Advanced Machining Practice
(2L, 14LB)(9CR) Advanced theory and machine operation for second year students. Prerequisites: MCHT 1650

MCHT 2780 - Computer Numerical Control (CNC) Machining Center
(2L, 4LB)(4CR) An introductory course in three-axis CNC machining center programming and two-axis CNC plasma cutter programming. The course is structured so no prior experience with CNC machining center or CNC plasma programming or operation is required. The time will be divided between classroom and shop.

MCHT 2790 - Computer Numerical Control (CNC) Turning Center
(2L, 4LB)(4CR) An introductory course in two-axis CNC turning center programming. The course is structured so no prior experience with CNC lathe programming or operation is required. The time will be divided between classroom and shop.

MCHT 2800 - Computer Assisted Manufacturing
(2L, 2LB)(3CR) Computer applications in programming machine tools. CNC Machining Center and CNC plasma cutter software will be used to acquaint students with CAD/CAM systems.

MCHT 2965 - Directed Studies
(1-2CR) (Max. 8) An option for students with sufficient background to pursue special problems in the machine shop under contract with the instructor.
Prerequisites: MCHT 1610 and permission of the instructor.

MCHT 2995 - Machine Shop Workshop
(1-2CR) (Max. 8) A variable interest course in the machining field.

MGT 1000 - Introduction to Supervision
(2L)(2CR) A practical course in business supervision covering communication, attitude perception and modification, group dynamics, orientation and training, discipline, grievances, and termination. Role playing is emphasized as a learning tool.
Prerequisites: BADM 1000 or MGT 2100, or permission of the instructor.

MGT 1200 - Human Resources Management
(3L)(3CR) Designed to present the methods, functions, and techniques of personnel administration. Emphasis is placed in recruiting, interviewing, selecting, placement, training, and evaluation of personnel. Class discussions and projects will include topics of job design and analysis, compensation and benefit administration, human resource planning, and union/management relations.
Prerequisites: MGT 2100, or permission of the instructor.

MGT 2050 - Leading Organizational Change
(3L)(3CR) This class will combine leadership concepts with models of organizational change. Change will be examined at the individual, team, and organizational or systems level. The focus is on uncovering traps that create stress, waste resources, slow change efforts, or lead to outright failure and discovering how to lead, cope and win in the face of great change. Class participants become familiar with a variety of change models as they are utilized in real organizations attempting change. The class will examine how organizational culture is an ever-present barrier to lasting change and how that impacts the decision on the part of organizations to initiate change. Prerequisites: MGT 2100 and completion of or concurrent enrollment in MGT 2150.

MGT 2100 - Principles of Management
(3L)(3CR) [E] Analyzes objectives, policies, organizational structure, material and human resource utilization, human relations, planning, innovating, and controlling as management responsibilities. Students also study and discuss current activities in specific areas of business and industry.

MGT 2110 - Organizational Behavior
(3L)(3CR) This is an introductory course exposing students to theoretical assumptions of organizational change. Students will be introduced to such topics as organizational structure, recruitment, retention and succession planning, employee motivation, and diversity and culture within the workplace. Students will explore how diversity and culture impact individuals, organizations and society. Students will learn practical operations of recruiting, retention and development of employees by focusing on matching employees' needs and aspirations within the organization. They will study the different types of organizational structures and their influence on organizational intelligence, employee development, learning and performance.
Prerequisites: MGT 2100.

MGT 2150 - Leadership
(3L)(3CR) This course will focus on the application of leadership skills in the classroom and in the context of management. There will be a thorough study of leadership theory up to the present, with a focus on how this theory has to be modified to accommodate our changing global environment in business. This course will also focus on how leadership will play a role in restructuring of our organizations, both profit and nonprofit, as business moves into the 21st century.
Prerequisites: MGT 1000, MGT 2100, or permission of the instructor.

MGT 2320 - Food and Beverage Management
(3L)(3CR) Provides a basic understanding of food production and service management, reviewing sanitation, menu planning, purchasing, storage, and beverage management.

MGT 2330 - Food and Beverage Services
(3L)(3CR) Provides students with practical skills and knowledge for effective management of food and beverage services in outlets ranging from cafeteria and coffee shops to room service, banquet areas, and high check average dining room. Presents basic service principles while emphasizing the special needs of guests.

MGT 2480 - Cooperative Work Experience (Management)
(1-3CR) (Max. 6) Students are afforded the opportunity to gain practical, on-the-job experience in their specialties. Students will be

supervised by the program coordinator and the employer. A minimum of 80 hours of on-the-job training represents one semester hour. Students must maintain 12 credit hours with a 2.0 GPA during the semester.
Prerequisites: full-time management major and permission of the program coordinator.

MKT 1000 - Sales
(3L)(3CR) A survey of the principles and methods in the selling process from determination of customer needs and wants to closing the sale.

MKT 1100 - Retailing
(3L)(3CR) The fundamentals of retail store organization and management such as the types of retail stores, site selection, store layout, pricing, display, promotion, and personnel policies.

MKT 1180 - Sports and Entertainment Marketing
(3L)(3CR) This course will help students develop a thorough understanding of the marketing concept and theories that apply to sports and entertainment events. The area this course will cover includes basic marketing, target marketing and segmentation, sponsoring, event marketing, promotions, sponsoring proposals, and implementation of sports and entertainment marketing plans.

MKT 1300 - Advertising
(3L)(3CR) National, regional, and local media, layouts, and promotional policies.

MKT 2100 - Principles of Marketing
(3L)(3CR) [E] Management's approach to analyzing and solving problems in product planning, pricing, promotion, and distribution of goods and services. Consumer orientation and marketing's key role in profitable business operations are emphasized.

MKT 2200 - Consumer Behavior
(3L)(3CR) This course is an analysis of the psychological and sociological aspects of consumer decision-making and behavior including learning, consumer perception, influence of individual predispositions or buying processes, and group influences.
Prerequisites: MKT 2100, or permission of the instructor.

MKT 2480 - Cooperative Work Experience (Marketing)
(1-3CR) (Max. 9) Students are afforded the opportunity to gain practical on-the-job experience in their specialties. Students will be supervised by the program coordinator and the employer. A minimum of 80 hours of on-the job training represents one semester hour. The student must maintain 12 credit hours with a 2.0 GPA during the semester.
Prerequisites: full-time retail merchandising major and permission of the program coordinator.

MLTK 1500 - Clinical Hematology and Hemostasis
(2L, 4LB)(3CR) An introductory course in the theoretical principles and procedures of hematology and hemostasis combined with relevant application to clinical laboratory medicine. This course provides background knowledge and opportunities to develop technical competencies for laboratory testing of blood, blood products, coagulation, and anticoagulant therapy. Emphasis is on the formed elements of the blood and components of the coagulation cascade and their correlation with pathophysiology.
Prerequisites: BIOL 1000 or BIOL 1010, or MOLB 2210 or MOLB 2240 or instructor permission.

MLTK 1600 - Clinical Immunohematology
(2L, 4LB)(3CR) Introductory course on the theoretical principles and procedures in immunohematology and serology (immunology) and their application in the medical laboratory. Emphasis is on blood banking procedures and potential problems that may be encountered in blood bank testing relative to antibody identification, compatibility testing, transfusion reactions and maternal/neonatal screening for hemolytic disease of the newborn. Course provides students with lectures and laboratory experience on immunohematology techniques.
Prerequisites: BIOL 1000 or BIOL 1010, or MOLB 2210, or MOLB 2240 or instructor permission.

MLTK 1700 - Microscopy: Urinalysis and Body Fluids
(1L, 4LB)(2CR) A variety of microscopic techniques are demonstrated and the advantages of each discussed. Theory and laboratory practice of routine and specialized procedures in analysis of urine and selected body fluids is presented. Clinical correlation between test results and disease states is emphasized.
Prerequisites: BIOL 1000 or BIOL 1010, or MOLB 2210, or MOLB 2240, or instructor permission.

MLTK 1800 - Principles of Phlebotomy
(2L, 4LB)(3CR) This didactic and laboratory course will introduce the student to the profession and practice of phlebotomy. Course activities and projects provide the student with knowledge and skills necessary to perform a variety of blood collection methods using proper techniques and precautions including: vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture specimen collection on adults, children and infants. Emphasis will be placed on infection prevention, universal precautions, proper patient identification, specimen acquisition, handling, processing, labeling, and quality assurance. Professional conduct, certification and federal regulatory issues will be covered as well.

MLTK 1970 - Clinical Practicum: Phlebotomy
(120 Clinical Hours)(2CR) This clinical laboratory practicum will introduce the student to the profession and practice of phlebotomy. Students will observe and practice phlebotomy skills and job tasks. Emphasis is placed on the application of phlebotomy knowledge and skills necessary to perform a variety of blood collection methods using proper techniques and precautions including: vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture specimen collection on adults, children and infants. Infection prevention, universal precautions, proper patient identification, specimen acquisition, handling, processing, labeling, and quality assurance are essential tasks associated with the profession. Patient confidentiality must be maintained at all times and professional conduct is expected and assessed as part of the student grade.
Prerequisites: MLTK 1800 or concurrent enrollment or instructor permission.

MLTK 2500 - Clinical Chemistry
(2L, 4LB)(3CR) This course provides fundamental theory and principles of clinical chemistry, advanced instrumentation, and techniques used in clinical laboratories, pharmaceutical research and design, and biotechnology. Primary focus will be on student performance of diagnostic testing and its clinical correlation to disease states, preventive medicine and healthcare. Advanced topics in quality assurance, therapeutic drug monitoring and endocrinology will be discussed.
Prerequisites: CHEM 1005 and CHEM 1006, or CHEM 1025 and CHEM 1028, MATH 1000 or MATH 1400, and MLTK 1800 or permission of instructor.

MLTK 2600 - Clinical Microbiology I
(1L, 4LB)(2CR) Concentrated laboratory instruction in clinical microbiology including methods for recovery, identification of pathogens, culture techniques, procedures, antibiotic testing and interpretation of clinical data. Emphasis is on clinical specimens, testing algorithms and data correlation including diagnostics, public health, and quality control. This course provides the essential overview of information and technical competencies needed for the clinical experience for medical laboratory technician majors.
Prerequisites: MOLB 2210 or MOLB 2240 or instructor permission.

MLTK 2650 - Clinical Microbiology II
(1L, 4LB)(2CR) Concentrated laboratory instruction in clinical microbiology focusing on fastidious microorganisms, mycobacterium, parasites, viruses and pathogenic fungi. Laboratory skill will include the identification of pathogens, culture techniques, procedures, and interpretation of clinical data. This course provides an essential overview of information and technical competencies needed for the clinical experience for medical laboratory technician majors.
Prerequisites: MLTK 2600 or Instructor Permission.

MLTK 2700 - Immunology
(3L, 3LB)(4CR) Advanced biology course of immune systems: cellular and molecular mechanisms; host resistance to infectious agents; as well as hypersensitivities, autoimmunity, tumor and tissue rejection. Includes laboratory for molecular and immunological techniques.
Prerequisites: MLTK 2650 or concurrent enrollment or permission of the instructor.

MLTK 2800 - Clinical Pathophysiology
(4L)(4CR) Advanced topics in clinical chemistry, microbiology, immunohematology, serology, hematology, laboratory management, professional development and laboratory regulatory issues. Students are presented with clinical scenarios for evaluation, interpretation, development of decision-making strategies and resolution. Clinical cases involve advanced principles of clinical laboratory medicine and management.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700.
Access to computer technology and internet services.

MLTK 2971 - Clinical Practicum: Hematology
(160 clinical hours)(2CR) This is an advanced course and clinical laboratory experience in the principles and procedures of hematology. It is an online supported, off-campus clinical laboratory experience taught by clinical faculty. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices and medical laboratory technician professionalism are included.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700. Access to computer technology and internet services.

MLTK 2972 - Clinical Practicum: Chemistry
(160 clinical hours)(2CR) This is an advanced course and clinical laboratory experience in the principles and procedures of chemistry. It is an online supported, off-campus clinical laboratory experience taught by clinical faculty. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices and medical laboratory technician professionalism are included.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700. Access to computer technology and internet services.

MLTK 2973 - Clinical Practicum: Immunohematology
(160 clinical hours)(2CR) This is an advanced course and clinical laboratory experience in the principles and procedures of Immunohematology. It is an online supported, off-campus clinical laboratory experience taught by clinical faculty. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices and medical laboratory technician professionalism are included.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700. Access to computer technology and internet services.

MLTK 2974 - Clinical Practicum: Microbiology
(160 clinical hours)(2CR) This is an advanced course and clinical laboratory experience in the principles and procedures of microbiology. It is an online supported, off-campus clinical laboratory experience taught by clinical faculty. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices and medical laboratory technician professionalism are included.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700. Access to computer technology and internet services.

MLTK 2976 - Clinical Practicum: Serology
(80 clinical hours)(1CR) This is an advanced course and clinical laboratory experience in the principles and procedures of serology. It is an online supported, off-campus clinical laboratory experience taught by clinical faculty. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices and medical laboratory technician professionalism are included.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700. Access to computer technology and internet services.

MLTK 2977 - Clinical Practicum: Urinalysis and Body Fluids
(80 clinical hours)(1CR) This is an advanced course and clinical laboratory experience in the principles and procedures of urinalysis and body fluid analysis. It is an online supported, off-campus clinical laboratory experience taught by clinical faculty. Emphasis is on the application of knowledge and technical skills to clinical testing, methodology, instrumentation, quality control, correlation of laboratory data with pathophysiology, OSHA practices and medical laboratory technician professionalism are included.
Prerequisites: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, MLTK 2650 and MLTK 2700. Access to computer technology and internet services.

MOLB 2210 - General Microbiology
(3L, 3LB)(4CR) [E] The characteristics of microorganisms will be studied in lecture and laboratory. Lecture will focus on microbiology physiology and classification. Laboratory exercises will emphasize techniques used to culture, isolate and diagnose various types of microorganisms.

MOLB 2220 - Pathogenic Microbiology
(3L, 4LB)(4CR) [E] A study of disease-producing microorganisms and the laboratory techniques used in the study of these organisms. (Spring semester.)
Prerequisites: MOLB 2210.

MOLB 2240 - Medical Microbiology
(3L, 3LB)(4R) A study of microorganisms, focusing microbial diversity, microbial physiology, identification, medical significance, basics of immune systems, epidemiology and the laboratory techniques used to study these microorganisms.
Prerequisites: A passing grade in BIOL 1000 or BIOL 1010 or the permission of the instructor. An understanding of general biological and chemical concepts is needed.

MOLB 2490 - Topics: (Subtitle)
(1-4CR) Consists of investigations and discussions with respect to advanced topics in Microbiology.

MUSC 0200 - Convocation
(0CR) Convocation is a twice-monthly recital hour for students and guest performers. In addition to the scheduled convocations, students will be required to attend 10 additional approved concerts. Grading will be S/U. Completion of four semesters with a grade of S is required for all music majors pursuing a music degree. Full-time music students shall enroll in Convocation as long as they remain music majors.
Prerequisites: music majors only.

MUSC 1000 - Introduction to Music
(3L)(3CR) [E] A one-semester course in music appreciation designed for students with little or no music background. Covers many genres of music to aid students in developing listening skills.

MUSC 1010 - Music Fundamentals
(2L)(2CR) A general background course in the vocabulary and terminology of music, the structure of the melodic line through scales and solfeggio, the relationship of keys through the key circle, fundamental chord structure, rhythm, and the survey of smaller forms in music.

MUSC 1020 - Music Technology
(2LB)(1CR) Introduction in computer-based music applications and basic MIDI technology that students will use in music classes.

MUSC 1025 - Introduction to Music Education
(2L)(2CR) This course is designed to help music majors explore music education. It is a required course for admission into the teacher education program. Course materials will explore: motivation for teaching; the structure of the American public school and public school music programs; the changing nature of education; and an introduction to the historical and philosophical foundations of music education. A field experience is required.
Prerequisites: music majors only, or permission of the instructor.

MUSC 1030 - Written Theory I
(3L)(3CR) [E] This course will cover the fundamentals of music including notation, pitch and rhythmic nomenclature, clefs, accidentals, intervals and scales; basic chord types; figured bass; cadences; nonharmonic tones; melodic structure including the phrase, sequence, and motive; two-part writing and four-part writing. Required for all music majors.

MUSC 1035 - Aural Theory I
(2LB)(1CR) [E] Instruction in rhythmic dictation (simple and compound meters, duple and triple divisions), melodic dictation (diatonic melodies with stepwise motion and small skips), harmonic dictation (triads and I/IV/V harmonic function), and sight singing (diatonic melodies). Designed to aid the student in transforming notation into sound and sound into notation. Required for all music majors.

MUSC 1040 - Written Theory II
(3L)(3CR) [E] A continuation of MUSC 1030. Covers harmonic progression and harmonic rhythm, four-part writing (involving dominant seventh chord and other seventh chords, modulation, secondary dominants and leading-tone chords), binary and ternary form. Required for all music majors.
Prerequisites: MUSC 1030.

MUSC 1045 - Aural Theory II
(2LB)(1CR) [E] Instruction in rhythmic dictation (simple and compound meters, duple and triple subdivisions, dotted rhythm values, syncopation), melodic dictation (diatonic melodies containing larger leaps), harmonic dictation (harmonic progression involving all the diatonic triads), and sight singing (diatonic melodies in treble, bass, and C clefs). Designed to aid the student in transforming notation into sound and sound into notation. Required for all music majors.
Prerequisites: MUSC 1035.

MUSC 1046 - Studio: Musical Theatre Voice
(1CR) (Max. 4) This course requires a one-half hour private lesson per week. This studio music course will provide instruction in both classical and musical theatre voice for musical theatre majors. A fee will be assessed.

MUSC 1080 - Studio: Baritone Horn I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1090 - Studio: Bassoon I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1100 - Studio Cello I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1110 - Studio Clarinet I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1120 - Studio: Double Bass I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1130 - Studio: Flute I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1140 - Studio: French Horn I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1150 - Studio: Guitar I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1160 - Studio: Harp I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1170 - Studio: Oboe I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1180 - Studio: Organ I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1190 - Studio: Percussion I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1200 - Studio: Piano I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1210 - Studio: Saxophone I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1220 - Studio: Trombone I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1230 - Studio: Trumpet I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1240 - Studio: Tuba I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1250 - Studio: Violin I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1260 - Studio: Viola I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1270 - Studio: Voice I
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 1272 - Class Voice
(2LB)(1CR) Class instruction in the fundamentals of correct breathing, tone production and diction. Laboratory course designed for students with little or no previous voice training to aid in developing a pleasing tone quality produced with ease and proper enunciation.

MUSC 1292 - Class Guitar I
(2LB)(1CR) The study of guitar utilizing traditional techniques and approaches, designed to allow the student to utilize the guitar as a lifelong learning tool. No previous experience is necessary for enrollment. This course is open to all Casper College students.

MUSC 1300 - Class Piano I
(2LB)(1CR) Group instruction for music majors concurrently enrolled in MUSC 1030. Designed to equip students with the practical aspects of keyboard fundamentals including technique, rhythm, note reading, scales, intervals, and primary chords. Non-music majors must have permission of the instructor.

MUSC 1301 - Class Piano II
(2LB)(1CR) A continuation of MUSC 1300 for the music majors concurrently enrolled in MUSC 1040. Designed to equip students with late-elementary keyboard activities including improvisation, harmonization, sight reading, primary and secondary chords, major and minor scales, solo and ensemble literature. Non-music majors must have permission of the instructor. Prerequisites: MUSC 1300, or permission of the instructor.

MUSC 1310 - Public School Methods: Brass Methods I
(2LB)(1CR) Group instruction in brass instruments for the major in music education. Instruments are supplied. This course is designed to provide sufficient background, technique, materials and methods to assist the student in starting elementary and secondary brass players for their ensembles. Additionally, this course is designed to provide the student with ready-made references for their student teaching and future teaching experiences.
Prerequisites: MUSC 1030, MUSC 1035, MUSC 1040, MUSC 1045.

MUSC 1315 - Public School Methods: Brass Methods II
(2LB)(1CR) [E] Continued group instruction in brass instruments for the major in music education. Instruments are supplied.
Prerequisites: MUSC 1030, MUSC 1035, MUSC 1040, MUSC 1045 MUSC 1310.

MUSC 1330 - Public School Methods: String Methods I
(2LB)(1CR) [E] This course is designed to provide music education majors the opportunity to develop performance skills necessary for the classroom string instructions. Students will learn violin, viola, cello and bass during this course.
Prerequisites: MUSC 1030, MUSC 1035, MUSC 1040, MUSC 1045.

MUSC 1335 - Public School Methods: String Methods II
(2LB)(1CR) [E] This course is designed to provide music education majors the opportunity to further develop performance skills necessary for teaching strings in a classroom setting. Students will learn advanced techniques on violin, viola, cello and bass during this course. Students will also learn how to play and conduct a classroom strings ensemble. Various levels of repertoire will be discussed and played.
Prerequisites: MUSC 1030, MUSC 1035, MUSC 1040, MUSC 1045, MUSC 1330.

MUSC 1378 - College Band
(3LB)(1CR) (Max. 4) Open to all students with experience on brass, woodwind, and percussion instruments. Ensemble prepares standard wind band repertoire for one concert performance per semester. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1384 - Marimba Ensemble
(2LB)(1CR) (Max. 4) The study and performance of literature written or arranged for ensembles comprised of mallet keyboard percussion. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1388 - Jazz Combo
(2LB)(1CR) (Max. 4) Small-group performance in various jazz styles. Emphasis on ensemble play and individual improvisation. Student arrangements encouraged. Course content changes each semester.
Prerequisites: MUSC 2060, concurrent enrollment in MUSC 2060, or permission of the instructor.

MUSC 1390 - Jazz Ensemble I
(3LB)(1CR) (Max. 4) [E] This laboratory group is open to all students with previous instrumental music experience. The jazz ensemble performs at assemblies, concerts, shows, and on tour. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1400 - Collegiate Chorale
(3LB)(1CR) (Max. 4) [E] A selected mixed ensemble open to all students on campus regardless of their field of study. Membership is held to approximately 40- 60 voices. An audition with the instructor determines the final list of singers. Credit is given for attendance at three weekly rehearsals and concert performances. Emphasis is on a wide variety of choral literature, including music of diverse cultures. Course content changes each semester.
Prerequisites: audition.

MUSC 1406 - Women's Choir
(2LB)(1CR) (Max. 4) A performance class open to all sopranos and altos on campus designed to cover a variety of literature both traditional and multi-cultural, specifically for female voices. The course offers the non-audition student an opportunity to participate in a choral activity with fewer performance requirements than the two auditioned choral organizations. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1408 - Men's Choir
(2LB)(1CR) (Max. 4) A performance class open to all tenors and basses on campus designed to cover a variety of literature both traditional and multi-cultural, specifically for male voices. The course offers the non-audition student an opportunity to participate in a choral activity with fewer performance requirements than the two auditioned choral organizations. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1410 - Vocal Ensemble
(3LB)(1CR) (Max. 4) [E] A small vocal ensemble open to all students. The course provides an opportunity to study and perform a variety of diverse popular styles, and culminates in a number of performances in various venues. An audition determines the final roster of ensemble members. Course content changes each semester.
Prerequisites: audition with the instructor.

MUSC 1420 - Opera Workshop
(3LB)(1CR) (Max. 4) [E] A performance based class open to all singers. Students will learn basic performance techniques and will improve their dramatic abilities through the performance of an operatic scene. Course content changes each semester.

MUSC 1440 - Chamber Orchestra
(2LB)(1CR) (Max. 4) [E] A performance class open to all string players on campus. This course is designed to cover a variety of literature from primarily the Baroque era. Open to all students on campus, BOCES students and community members regardless of their field of study. Credit is given for attendance at the two weekly rehearsals and concert performances. Emphasis is placed on the study of stylistic concerns of string performance including bowings, articulations, dynamics and ensembles. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1450 - Percussion Ensemble
(3LB)(1CR) (Max. 4) [E] Performs selected diverse chamber music for various combinations of percussion instruments and is open to all students with previous percussion experience who can qualify by audition for participation. Course content changes each semester.

MUSC 1460 - Brass Ensemble
(2LB)(1CR) (Max. 4) [E] This group performs selected diverse chamber music and is open to all students with previous brass experience. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1462 - Trombone Ensemble
(2LB)(1CR) (Max. 4) For trombone players only. Emphasis is placed upon performance quality of selected chamber music in both the classical and jazz styles. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1470 - Woodwind Ensemble
(2LB)(1CR) (Max. 4) [E] Performs selected works at various student and public recitals and generally consists of woodwind quintet, quartet, trio, and duet. This group is open to all students with previous instrumental music experience. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1480 - String Ensemble
(2LB(1CR) (Max. 4) [E] This performing group is specifically designed to explore the string chamber music repertoire. Membership is open to all students with previous string experience. Credit is given for attendance at two weekly rehearsals and concert performances. Course content changes each semester.
Prerequisites: permission of the instructor.

MUSC 1500 - Introduction to Pro Tools
(1L)(1CR) Introduction to Pro Tools Digital Audio Workstation Software. Familiarization with the user interface and understanding of the various features and capabilities.
Prerequisites: Freshman standing preferred, community and BOCES students welcome.

MUSC 2021 - Women in Music
(3L)(3CR) This course explores women's contribution to the field of Western music from Ancient Greece to modern times.
Prerequisites: None.
Cross-listed: WMST 2021

MUSC 2025 - World Music
(3L)(3CR) Students learn strategies for how to listen to and compare the sound of various musical cultures. Students will also gain a deeper understanding of the local contexts of these musical expressions and how music carries meaning through complex networks of signification (e.g., ethnic identity, race, class, political, religious, economic, historical, technological, etc.).

MUSC 2030 - Written Theory III
(3L)(3CR) [E] A continuation of MUSC 1040. Covers 18th century counterpoint; chromatic harmony dealing with borrowed chords, Neapolitan sixth chord, and augmented sixth chords; variation technique; sonata form and rondo forms. Required for all music majors.
Prerequisites: MUSC 1040.

MUSC 2035 - Aural Theory III
(2LB)(1CR) [E] Instruction in rhythmic dictation (triplets and syncopation), harmonic dictation (all the diatonic triads and dominant, leading-tone seventh chords), melodic dictation and sight singing (chromatic melodies). Designed to aid the student in transforming notation into sound and sound into notation. Required for all music majors.
Prerequisites: MUSC 1045.

MUSC 2040 - Written Theory IV
(3L)(3CR) [E] A continuation of MUSC 2030. Covers extended chromatic harmony dealing with ninth, 11th, 13th chords, altered dominants, and chromatic mediants; musical practice of post-romantic period; and diverse musical styles of the 20th century. Required for all music majors.
Prerequisites: MUSC 2030.

MUSC 2045 - Aural Theory IV
(2LB)(1CR) [E] Rhythmic dictation, triples and syncopation, complex meter, harmonic dictation including secondary dominants and modulation, melodic dictation including 20th century harmonic language. Designed to teach melodic intervals and to aid the student in transforming notation into sound and sound into notation. Required for all music majors. A continuation of MUSC 2035.
Prerequisites: MUSC 2035.

MUSC 2050 - Music History Survey I
(3L)(3CR) [E] A comprehensive study of the history of music with emphasis on period method of study, beginning with the music of the ancient world. This takes the student through the Gregorian Chant and the modes of the 13th and 14th centuries, the Renaissance, church music, both vocal and instrumental, and to the closing of the period known as Baroque, at the death of J. S. Bach in 1750.

MUSC 2055 - Music History Survey II
(3L)(3CR) [E] Beginning with the period known as the Classical following the Baroque, the course continues into the Romantic period, Beethoven, 19th-century opera, impressionism, music drama of R. Wagner, and closes with music of the 20th century.

MUSC 2060 - Jazz Improvisation I
(2LB)(1CR) Offers the jazz-oriented student an organized approach to learning the extemporaneous creation of music in the jazz idiom. This creation is expressed by music performance.
Prerequisites: permission of the instructor.

MUSC 2065 - Jazz Improvisation II
(2LB)(1CR) A continuation of Jazz Improvisation I. Students will apply skills acquired in Improvisation I to jazz standards while learning more advanced scales, chord structures and techniques.
Prerequisites: MUSC 2060.

MUSC 2071 - Studio: Vocal or Instrumental
(1-2CR) 30- or 60- minute weekly private instruction in the specific instrument for majors and non-majors. Majors attend scheduled studio classes and perform a final jury. A course fee is assessed. Course content changes each semester.

MUSC 2080 - Studio: Baritone Horn II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2090 - Studio: Bassoon II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2100 - Studio: Cello II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2110 - Studio: Clarinet II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2120 - Studio: Double Bass II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2130 - Studio: Flute II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2140 - Studio: French Horn II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2150 - Studio: Guitar II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2160 - Studio: Harp II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2170 - Studio: Oboe II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2180 - Studio: Organ II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2190 - Studio: Percussion II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2200 - Studio: Piano II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2210 - Studio: Saxophone II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2220 - Studio: Trombone II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2230 - Studio: Trumpet II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2240 - Studio: Tuba II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2250 - Studio: Violin II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2260 - Studio: Viola II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2270 - Studio: Voice II
(1-2CR) (Max. 8) 30- or 60-minute weekly private instruction in the specific instrument. Scheduled studio classes and final jury are required. The 30-minute lesson is open to non-majors. The 60-minute lesson is open to non-majors with the permission of the instructor. A course fee is assessed. Course content changes each semester.

MUSC 2302 - Class Piano III
(2LB)(1CR) A continuation of MUSC 1301 for music majors currently enrolled in MUSC 2030. Designed to equip students with intermediate-level skills including improvisation, harmonization, sight reading, chord progressions, all scales and arpeggios, Baroque and Classic keyboard styles. Non-music majors must have permission of the instructor.
Prerequisites: MUSC 1301.

MUSC 2303 - Class Piano IV
(2LB)(1CR) A continuation of MUSC 2302 for music majors concurrently enrolled in MUSC 2040. Designed to introduce the student to accompanying techniques, instrumental and vocal score reading, C clefs, late intermediate skills including transposition, improvisation, harmonization, sight reading, chord progressions, all scales and arpeggios, romantic and 20th century keyboard styles. Non-music majors must have permission of the instructor.
Prerequisites: MUSC 2302.

MUSC 2320 - Diction for Singers I
(2L)(2CR) [E] A course to facilitate proper enunciation in English and Italian and help voice students with their repertoire of art songs and operatic arias.

MUSC 2325 - Diction for Singers II
(2L)(2CR) [E] A course to facilitate proper enunciation in German and French and help voice students with their repertoire of art songs and operatic arias.

MUSC 2395 - Piano Proficiency
(0CR) The piano proficiency examination is a graduation requirement of all music majors.

MUSC 2410 - Sound Reinforcement I
(2L)(2CR) Introduction to the theory, techniques, and equipment used in sound recording and reinforcement. Topics include acoustics, microphones, recorders, editing, mixing, and effects. (Fall semester.)

MUSC 2420 - Sound Reinforcement II
(2L)(2CR) A study of the basic concepts, equipment and techniques used in the operation of an audio recording console. Topics include console function, mixing, effects, microphone placement and choice, patchbay, and console flow logic. (Spring semester.)
Prerequisites: MUSC 2410.

MUSC 2465 - Directed Studies in Music: (Subtitle)
(1-3CR) (Max. 6) Individualized investigation of selected topics under the supervision of a faculty member.
Prerequisites: permission of the instructor.

MUSC 2475 - Independent Study Audio/Recording
(1-3CR) Students will independently produce and engineer a recording project.
Prerequisites: completion of or concurrent enrollment in MUSC 2410, MUSC 2420, or permission of the instructor.

MUSC 2490 - Special Topics in Music: (Subtitle)
(1-3CR) (Max. 6) Special seminar in music. Topics will vary in accordance with student needs.
Prerequisites: permission of the instructor.

NRST 1500 - Nursing Assistant
(2.5L, 4.5LB)(4CR) Concepts and skills of caring for residents of long-term care facilities to entry-level and experienced nursing assistants. Will enable graduates to become eligible for certification and to function in the field of long-term care. Prerequisite: current American Heart Association Healthcare Provider Cardiopulmonary Resuscitation (CPR) or American Red Cross CPR for the Professional Rescuer Certification (original card and copy), current PPD (TB skin test) and instructor's permission.

NRST 1605 - Issues in Nursing Practice
(1L)(1CR) This nonclinical course introduces the student to the position of nursing in the contemporary health care scene. Nursing history, settings, roles, values, and ethical/legal dimensions are examined. The philosophy and conceptual framework of the Casper College Nursing Program are explored. (Fall semester).
Prerequisites: admission to the nursing program.
Concurrent enrollment: NRST 1615.

NRST 1615 - Nursing Process I
(6L, 10LB)(10CR) Designed to acquaint the student with the concepts of person, health, environment, and nursing. The holistic nature of the person is explored in states of health and illness with special consideration of nutritional status. The role of the nurse is introduced. Interpersonal and technical skills and the nursing process are emphasized as means of assisting persons to adapt to stressors in the environment. Guided learning experiences in the laboratory are correlated with classroom instruction. As progress is made in the course, the focus is on the roles of the nurse in assisting the person across the lifespan to attain optimal health within the environment. Emphasis is placed upon use of the nursing process and basic management of persons experiencing alterations in the gastrointestinal system, genitourinary system, musculoskeletal system, endocrine system, immune system, and mental health. Guided learning experiences in various community facilities are correlated with classroom and laboratory instruction.
Concurrent enrollment: NRST 1605

NRST 1625 - Nursing Process II
(4L, 12LB)(8CR) The focus is on the role of the nurse in assisting the person across the lifespan to attain optimal health within the environment. Emphasis is placed upon use of the nursing process and basic management of persons experiencing alterations in the gastrointestinal system, genitourinary system, musculoskeletal system, endocrine system, immune system, and mental health. Guided learning experiences in various community facilities are correlated with classroom and laboratory instruction.
Prerequisites: NRST 1605, NRST 1615, concurrent enrollment: ZOO 2110 (if not taken previously), NRST 1630

NRST 1630 - Nursing Process and the Childbearing Family
(2L)(2CR) This course examines the roe of the nurse in the care of the family during the childbirth process. The concepts of person, health, environment, and nursing will be explored from both a normal and high-risk perspective during pregnancy, birth, postpartum, and the newborn periods. Application of the content in this course will be integrated into the clinical experience of NRST 2635 and/or NRST 2645.
Prerequisites: NRST 1615, NRST 1625.

NRST 2635 - Nursing Process III
(4L, 15LB)(9CR) The focus is on the role of the nurse in assisting the person across the lifespan to attain optimal health within the environment. Emphasis is placed upon use of the nursing process and advanced management of persons experiencing alterations in fluid and electrolytes, the neurosensory, respiratory, integumentary, and cardiovascular systems. Guided learning experiences in various community facilities are correlated with classroom and laboratory instruction.
Prerequisites: NRST 1625, NRST 1630, ZOO 2110.
Concurrent enrollment: MOLB 2210 (if not taken previously).

NRST 2645 - Nursing Process IV
(4L, 15LB)(9CR) The focus is the role of the nurse in assisting the person across the lifespan to attain optimal health within the environment. Emphasis is placed upon the use of the nursing process and advanced management of persons experiencing alterations in mental health, genitourinary, musculoskeletal, gastrointestinal, endocrine, and immune systems. Guided learning experiences in various health care facilities are correlated with classroom instruction.
Prerequisites: NRST 2635, MOLB 2210.
Concurrent enrollment: NRST 2960.

NRST 2960 - Nursing Role Exploration
(1L)(1CR) This nonclinical course emphasizes the role of the A.D.N. graduate and the changes encountered in transition from student to graduate. Student will focus on transition/reality shock, employer-employee relationships, and professionalism. (Spring semester.)
Prerequisites: NRST 2635.
Concurrent enrollment in NRST 2645.

NURS 1100 - Professional Nursing Care in Health Promotion
(5L, 15LB)(10CR) This semester 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 and delivery. 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. Guided learning experiences in various community settings and facilities are correlated with classroom and laboratory instruction.
Prerequisites: Admission to the nursing program.

NURS 1200 - Professional Nursing Care of the Patient with Chronic Illness
(5L, 15LB)(10CR) This semester 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 members of the interprofessional healthcare team. The patient- and family-lived experience is emphasized. Guided and/or precepted learning experiences in various community settings and facilities are correlated with classroom and laboratory instruction.
Prerequisites: NURS 1100
Concurrent enrollment: PSYC 1000 (if not taken previously)

NURS 2300 - Professional Nursing Care of the Patient with Acute Illness
(5L, 15LB)(10CR) This semester introduces the learner to the patient and family with acute 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 acute illness across the lifespan, including acute complication of pregnancy and delivery. The learner will facilitate the effectiveness of the interprofessional healthcare team. The patient- and family-lived experience is emphasized. Guided and/or precepted learning experiences in various community settings and facilities are correlated with classroom and laboratory instruction.
Prerequisites: NURS 1200, ENGL 1020/COM2 (if not taken previously)

NURS 2400 - Professional Nursing Care of the Patient with Complex Illness
(5L, 15LB)(10CR) This semester 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, including complication of pregnancy and delivery. The patient and family lived experience is emphasized. Guided and/or precepted learning experiences in various community settings and facilities are correlated with classroom and laboratory instruction.
Prerequisites: NURS 2300. POLS 1000 (if not taken previously)

OCTH 2000 - Introduction to Occupational Therapy
(2L)(2CR) This course is designed to introduce students to the occupational therapy profession. As the history, scope of practice, objectives and functions of occupational therapy are addressed, students will affirm their academic decision.

PEAC 1002 - Football-Volleyball Fitness
(2LB)(1CR) The physical education program is designed to promote physical efficiency and fitness and good sportsmanship. Basic techniques for the learning of skills, rules of the game, strategy of play, and safety practices. A basic program of physical activity to provide participation in football, volleyball, and physical fitness.

PEAC 1003 - Basketball-Hockey-Softball
(2LB)(1CR) Similar to PEAC 1002 in basketball, hockey, and softball.

PEAC 1020 - Fitness Training
(2LB)(1CR) Internet course designed to instruct participants in how to set up and participate in a weight training and conditioning program.

PEAC 1028 - Chi Kung
(2LB)(1CR) Chi Kung is an ancient Chinese form of exercise focusing on proper breathing, body alignment, and slow movements. Students will be exposed to various deep breathing exercises, ergonomic stances and postures, and movements that are designed to promote proper circulation and strengthen the body.

PEAC 1030 - Dance Aerobics
(2LB)(1CR) A fitness class using a variety of exercises that stimulates heart and lung activity for a time period sufficiently long to produce beneficial changes in the body. Strength development by weight training is also included.

PEAC 1031 - Western and Social Dancing
(2LB)(1CR) [E] A beginning course in western and social dancing stressing the basic steps of the two step, fox trot, jitterbug, east coast swing, polka, cotton-eyed joe, waltz, cha-cha and salsa.

PEAC 1041 - Basic Self-Defense
(2LB)(1CR) A basic course in self-defense covering some home self-defense breakaway techniques and how to handle general distress situations.

PEAC 1042 - Basic Self-Defense II
(2LB)(1CR) Continuation of basic self-defense. Combination strikes, counter techniques, throws and falls, advanced kicks, takedowns and further awareness of personal safety issues.

PEAC 1044 - Beginning Tae Kwon Do
(2LB)(1CR) A basic course in the art of Tae Kwon Do teaches the mental training and techniques of unarmed combat for self-defense.

PEAC 1045 - Kickboxing
(2LB)(1CR) This kickboxing course is a martial arts fitness class. Students learn proper kicking and punching techniques and self-defense skills. The course provides students an opportunity to increase martial arts skills, flexibility, and improved cardiovascular performance.

PEAC 1048 - Kickboxing II
(2LB)(1CR) This kickboxing course is a martial arts fitness class. Students learn proper kicking and punching techniques and self-defense skills. The course provides students an opportunity to increase martial arts skills, flexibility, and improved cardiovascular performance.
Prerequisites: PEAC 1045.

PEAC 1050 - Beginning Tennis
(2LB)(1CR) Beginning co-ed activity class of tennis basic skills and techniques.

PEAC 1053 - Bowling
(2LB)(1CR) A basic activity class providing background and instruction in the lifetime sport of bowling. Instruction is given with emphasis on developing skills.

PEAC 1255 - Beginning Golf
(2LB)(1CR) A basic activity class providing background in golf. Golf instruction is given at the driving range and in the gymnasium with emphasis on beginning skill level.

PEAC 1257 - Beginning Racquetball
(2LB)(1CR) Will provide the student the opportunity to learn the basic skills, rules, and strategy of the game.

PEAC 1266 - Trapshooting
(2LB)(1CR) Designed to acquaint students with firearm safety, gun anatomy, reloading techniques, and in trapshooting techniques and rules. Students provide their own ammunition and pay for the clay birds used.

PEAC 1267 - Advanced Trapshooting
(2LB)(1CR) Designed for the more accomplished trapshooter. Singles, doubles, modified clay bird, and handicap shooting will be stressed. Gun safety and reloading techniques. Students provide their own ammunition and pay for the clay targets used.
Prerequisites: PEAC 1266, or permission of the instructor.

PEAC 1271 - Weight Loss Conditioning
(2LB)(1CR) Promotes fitness and safe weight loss techniques through exercise and diet.

PEAC 1273 - Heavy Resistance Conditioning
(2LB)(1CR) Individual training in the Fitness and Wellness Center, emphasizing large muscle activity and cardiovascular development.

PEAC 1274 - Advanced Weight Training
(2LB)(1CR) A continuation of PEAC 1273. This course is designed for students who want to set up an individualized program for large muscle activity and cardiovascular development. Prerequisites: PEAC 1273 or permission of the instructor.

PEAC 1275 - Circuit Training
(2LB)(1CR) Introduces basics of circuit training and develops improvements in cardiovascular endurance, body composition, flexibility, muscular endurance, and strength.

PEAC 1279 - Tae Kwon Do II
(2LB)(1CR) Tae Kwon Do is a martial art that teaches the mental training and techniques of unarmed combat for self-defense as well as health involving the skilled application of punches, kicks, blocks, and dodges with bar hands and feet to neutralize opponents.

PEAC 1281 - Fly Fishing
(2LB)(1CR) This is an introductory course in techniques and skills essential to fly-fishing. Class will be conducted in the classroom, gym and the outdoor environment. The course will include field trips to local fishing areas. All fish caught during class will be released.

PEAC 1287 - Rock Climbing
(2LB)(1CR) An introductory course in technical rock climbing conducted at an indoor climbing gym with a field trip to a local outdoor climbing area.

PEAC 1294 - Yoga
(2LB)(1CR) A basic course in yoga covering the yoga postures, some breath work, meditation and relaxation. A basic yoga class will go a long way toward retaining optimal health.

PEAC 1401 - Modern Dance 1A
(3LB)(1CR) This course is an introduction to the principles and techniques of Modern Dance. Dancers will focus on technique, terminology and the execution of the basic steps, as well as the discovery of movement in space and time. This class will serve the student as a study in exploration of the basic ideas of Modern Dance. Cross-listed: DANC 1401

PEAC 1430 - Modern Dance I
(3LB)(1CR) This course will be an introduction to the principles and techniques of Modern Dance. Dancers will focus on technique, terminology, and the execution of the basic steps, as well as the discovery of movement in space and time.

PEAC 1680 - Extreme Fitness
(2LB)(1CR) This course is designed to give students an understanding of the importance of physical fitness, cardiovascular conditioning, muscular strength, muscular endurance and flexibility.

PEAC 2001 - Physical Fitness and Wellness I
(2LB)(1CR) [E] This physical education activity course is open to all students. It is designed as an open laboratory to accommodate each student's needs. Emphasis is placed in three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Pin select weight machines will be used in circuit training concept to develop more effectively one's level of physical fitness. Free weights are also available. Orientation for the class is required.

PEAC 2002 - Physical Fitness and Wellness II
(2LB)(1CR) This physical education activity course is open to all students. It is designed as an open laboratory to accommodate each student's needs. Emphasis is placed in three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Pin select weight machines will be used in circuit training concept to develop more effectively one's level of physical fitness. Free weights are also available. Orientation for the class is required.

PEAC 2003 - Physical Fitness and Wellness III
(2LB)(1CR) This physical education activity course is open to all students. It is designed as an open laboratory to accommodate each student's needs. Emphasis is placed in three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Pin select weight machines will be used in circuit training concept to develop more effectively one's level of physical fitness. Free weights are also available. Orientation for the class is required.

PEAC 2004 - Physical Fitness and Wellness IV
(2LB)(1CR) This physical education activity course is open to all students. It is designed as an open laboratory to accommodate each student's needs. Emphasis is placed in three areas of physical fitness: strength, flexibility, and cardiovascular endurance. Pin select weight machines will be used in circuit training concept to develop more effectively one's level of physical fitness. Free weights are also available. Orientation for the class is required.

PEAC 2005 - Personal Fitness
Audit only course. Designed as open laboratory to accommodate each student's needs. Emphasis on strength, flexibility, and cardiovascular endurance. Universal equipment used in circuit training concept. Free weights also available.

PEAC 2007 - Express Fitness
(2LB)(1CR) This physical education activity course is designed as an open laboratory to allow each student the benefit of setting his or her own schedule. Emphasis is placed in four areas of physical fitness: muscle strength, muscle endurance, flexibility, and cardiovascular endurance. The Fitness Center contains aerobic equipment, a universal circuit, and free weights to develop more effectively one's level of physical fitness. The student is responsible for meeting the minimum exercise standards in order to receive credit. All students must complete an orientation and initial meeting prior to starting their program.

PEAC 2013 - Scuba Certification
(2LB)(1CR) Safe diving procedures, proper use of scuba equipment, and dive tables. The course is presented in three segments: lectures, pool, and open water dives. Upon satisfactory completion of the course, the student will be certified in accordance with the Professional Association of Diving Instructors (PADI) for open water dives. Prerequisites: instructor permission only.

PEAC 2031 - Intermediate Western and Social Dance
(2LB)(1CR) This course is a continuation of PEAC 1031. We build on the fundamentals learned in the beginning class and add some intermediate patterns. Some new dances such as the night club two step, cha-cha, west coast swing and others will be covered.
Prerequisites: PEAC 1031.

PEAC 2044 - Tae Kwon Do III
(2LB)(1CR) An intermediate course in the art of Tae Kwon Do. Teaches the mental training and techniques of unarmed combat for self-defense. Prerequisites: PEAC 1279.

PEAC 2050 - Intermediate Tennis
(2LB)(1CR) Continuation of the basic skills and techniques of tennis. Students will learn strategies of singles and doubles play. Beginning tennis not a requirement if the student has prior tennis experience.

PEAC 2053 - Intermediate Bowling
(2LB)(1CR) Online course for the intermediate to advanced bowler who does not need hands on instruction for practice. Material covered will include terminology, bowling history, bowling strategies, and game variations. Students will also be required to participate in bowling activities which must be signed off by a staff member at their chosen location. Any fees associated with participation will be paid by the student. Prerequisites: PEAC 1050 or instructor permission.

PEAC 2054 - Tae Kwon Do IV
(2LB)(1CR) An intermediate course in the art of Tae Kwon Do. Teaches the mental training and techniques of unarmed combat for self-defense. Prerequisites: PEAC 2044.

PEAC 2055 - Intermediate Golf
(2LB)(1CR) Online course for the intermediate to advanced golfer who does not need hands on instruction for practice. Material covered will include terminology, golf history, and basic to advanced rules and strategies of the game. Students will also be required to participate in golf activities which must be signed off by a staff member at their chosen location. Any fees associated with participation will be paid by the student.
Prerequisites: PEAC 1255 or instructor permission.

PEAC 2084 - Outdoor Living Skills
(2LB)(1CR) An introductory course conducted in a back-country setting. Fitness Center orientation, a physical conditioning program, and classroom sessions are required prior to the trip.

PEAT 1010 - Cheerleading
(2LB)(1CR) Current enrollment limited to cheerleaders. Selection is to be made at fall semester.
Prerequisites: permission of instructor.

PEAT 1075 - Varsity Basketball I
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 1076 - Varsity Basketball II
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 1080 - Varsity Volleyball I
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 1085 - Varsity Volleyball II
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 2025 - Rodeo
(2LB)(1CR) (Max. 4) Designed to prepare rodeo athletes for competition in the nine different rodeo events. Emphasis is put on improving and developing the techniques needed to perform in the rodeo arena along with instruction in the interpretation of the rules regulating all rodeo events.
Prerequisites: must become an active NIRA member and participate in all CRMR rodeos or have instructor's approval.

PEAT 2075 - Varsity Basketball III
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 2076 - Varsity Basketball IV
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 2080 - Varsity Volleyball III
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEAT 2085 - Varsity Volleyball IV
(2LB)(1CR) (Max. 4) [E] Team competition with regular practice sessions.
Prerequisites: permission of instructor.

PEPR 1005 - Introduction to Physical Education and Sport
(2L)(2CR) [E] Provides a general concept of the meaning and interpretation of physical education, giving specific information for the professional student of physical education and the nature of the field, its professional opportunities, personal rewards and satisfactions, and requirements of a sound program of professional preparation.

PEPR 1052 - Care and Prevention of Athletic Injuries
(3L)(3CR) [E] Theory and practical application in the field of athletic training. Emphasizes prevention and care of athletic injuries, wrapping and taping techniques.

PEPR 1056 - Introduction to Athletic Training
(3L)(3CR) Designed to introduce a career in athletic training. The purpose of this course is to provide the prospective athletic trainer with the skill and knowledge necessary to implement a risk management and preventative program for athletes and others involved in physical activity.

PEPR 2012 - Physical Education for Elementary School
(2L, 2LB)(3CR) [E] Fundamental skills and principles of movement and the progressions as they would be presented in the elementary education program. Students have practical experience in participation and teaching. Includes rhythmics and dance, gymnastics, games, and sports skills.

PEPR 2030 - Motor Learning
(3L)(3CR) Exploration and explanation of material and methods that underlie the learning and performance of motor skills.

PEPR 2090 - Foundations of Athletic Coaching
(3L)(3CR) Provides prospective coaches with current information about scientific foundations of coaching: theory, methodology, administration, management, and psychology. Required for athletic coaching permit in Wyoming.

PEPR 2091 - Athletic Officiating I
(1L, 2LB)(2CR) [E] For physical education majors wishing to acquaint themselves with the skills and techniques of officiating the major sports: football, basketball, volleyball and soccer.

PEPR 2100 - Theory of Coaching: Volleyball
(2L)(2CR) Study of the skill analysis, strategy and training involved in coaching volleyball. Includes methods of coaching.

PEPR 2110 - Human Physiology
(3L, 2LB)(4CR) Dual listing see ZOO 2110 for course description.

PEPR 2135 - Personal Trainer Education
(3L)(3CR) This course introduces the student to the basic exploration and explanation of materials and methods that underlie the learning and performance of motor skills.
Prerequisites: BIOL 1000, FCSC 1141, ZOO 2040, ZOO 2041, and ZOO 2110.

PEPR 2150 - Theory of Coaching: Basketball
(2L)(2CR) Methods of coaching offense and defense, styles of play, strategy, training and diet, and rules of interpretation. (Fall semester.)

PEPR 2460 - Field Experience (Physical Education)
(2-4LB) (1-2CR) Thirty hours per credit of hands-on experience observing/assisting/instructing in various physical education activities: swimming, fitness, gymnastics, adaptive physical education, elementary physical education and coaching.
Prerequisites: permission of the instructor.

PHIL 1000 - Introduction to Philosophy
(3L)(3CR) [E] An introduction to some of the main problems confronting the philosophical thinker, including those concerning truth, knowledge, language, morality, the existence of God, the nature of reality, freedom, and the meaning of life. Possible solutions to these problems will be considered.
Prerequisites: ENGL 1010

PHIL 2300 - Ethics in Practice
(3L)(3CR) [E] An in-depth examination of the two seminal questions in ethics: What is happiness? How do you achieve it? Study includes works of major ancient and modern ethical thinkers and deductions of certain ethical principles by which we will judge contemporary ethical issues in medicine, business, environment, etc.
Prerequisites: ENGL 1010.

PHIL 2420 - Critical Thinking
(3L)(3CR) [E] The art of critical thinking: how to analyze logical arguments, to construct logical arguments, and to expose fallacies in fallacious reasoning.
Prerequisites: ENGL 1010.

PHIL 2490 - Topics: (Subtitle)
(2-3L) (2-3CR) (Max. 12) The course (with specific subtitles) will be offered periodically. Offerings include such courses as: philosophy of religion; philosophy of science; philosophy in literature; and aesthetics. A student may repeat this course under different subtitles to a maximum of 12 credit hours.

PHTK 1000 - Calculations for Health Care
(1L)(1CR) A review of basic arithmetic, an introduction to the metric and apothecary systems, and computation of medication dosages.
Prerequisites: Admission to the Pharmacy Technology program or permission of the instructor. Students must have an ACT score of 21 or better if out of high school less than two years, a COMPASS placement score of 40 or better in the algebra placement domain, or have a "C" or better in MATH 0920.

PHTK 1005 - Calculations for Health Care Laboratory
(2LB)(1CR) A laboratory to review basic arithmetic, an introduction to the metric and apothecary systems, and computation of medication dosages.
Prerequisites: Admission to the pharmacy technology program or permission of the instructor. Students must have an ACT score of 21 or better if out of high school less than two years, a COMPASS score of 40 or better, or have a "C" or better in MATH 0920.
Concurrent enrollment: PHTK 1000

PHTK 1500 - Introduction to Profession of Pharmacy
(1L)(1CR) This course will serve to give a basic knowledge of the profession of pharmacy as it has been practiced in the past, is practiced in the present, and predicts how it may be in the future.

PHTK 1600 - Introduction to Pharmacy Operations I
(2L, 4LB)(4CR) This course introduces the student to the actual working of a pharmacy. Students are introduced and allowed to train towards the performance of operational procedures in the retail pharmacy setting. May be used as CE for licensed technicians.
Prerequisites: PHTK 1500.
Concurrent enrollment in PHTK 1650 and PHTK 1710.

PHTK 1610 - Introduction to Pharmacy Operations II
(2L, 4LB)(4CR) This course introduces the student to the actual working of a pharmacy. Students are introduced and allowed to train towards the performance of operational procedures in the institutional pharmacy setting. May be used as CE for licensed technicians.
Prerequisites: PHTK 1600.
Concurrent enrollment in PHTK 1630, PHTK 1720 and PHTK 2971.

PHTK 1630 - Calculations for Compounding
(1L)(1CR) Application of basic mathematics as it applies to compounding and dispensing prescriptions.
Prerequisites: PHTK 1600.
Concurrent enrollment in PHTK 1610, PHTK 1720 and PHTK 2971 or permission of the instructor. May be used as CE for licensed technicians.

PHTK 1650 - Pharmacy Law and Ethics
(2L)(2CR) Provides federal and state laws for pharmacy and sets the ethical standards for pharmacy technicians.
Prerequisites: PHTK 1500.
Concurrent enrollment in PHTK 1600 and PHTK 1710, or permission of the instructor. Maybe used as CE for licensed technicians.

PHTK 1710 - Pharmacology/Pharmaceutical Products I
(3L)(3CR) This course provides an introductory study of therapeutic drug categories which will involve not only a consideration of commonly used drugs, but also basic principles of pharmacology and pharmaceutics.
Prerequisites: admission to the Certificate or Associate of Science in pharmacy technology program or instructor permission.
Successful completion of PHTK 1500 or

concurrent enrollment in PHTK 1500, and concurrent enrollment in PHTK 1600 and PHTK 1650. May be used as CE for licensed technicians.

PHTK 1720 - Pharmacology/Pharmaceutical Products II
(3L)(3CR) The course provides an introductory study of therapeutic drug categories which will involve not only a consideration of commonly used drugs, but also basic principles of pharmacology and pharmaceutics.
Prerequisites: PHTK 1710.
Concurrent enrollment in PHTK 1610, PHTK 1630, PHTK 2971, or permission of the instructor.

PHTK 2971 - Introduction to Pharmacy Environment: Practicum I
(2L, 6LB)(5CR) Provides the study of the theory and the practical applications of procuring, manipulating and preparing drugs for dispensing in actual pharmacy environments or college laboratory.
Prerequisites: PHTK 1500, PHTK 1600, PHTK 1650, PHTK 1710, CMAP 1615, and BOTK 1655.
Concurrent enrollment in PHTK 1610, PHTK 1630, PHTK 1720, or permission of the instructor.

PHTK 2972 - Retail Pharmacy Tech: Practicum II
(2L, 6LB)(5CR) Provides practical application and integration of pharmacy skills in an actual retail pharmacy environment (on-the-job training).
Prerequisites: PHTK 1600, PHTK 1610, PHTK 1630, PHTK 1720, PHTK 2971.

PHTK 2973 - Pharmacy Tech: Practicum III
(2L, 6LB)(5CR) Provides practical application of pharmacy skills in acute care hospitals, ambulatory care, and long-term care in skilled facilities.
Prerequisites: PHTK 1600, PHTK 1610, PHTK 1630, PHTK 1720 and PHTK 2971.

PHYS 1050 - Concepts of Physics
(3L, 3LB)(4CR) [E] One semester course for those students whose curricula call for an introduction to elementary physical concepts.
Prerequisites: MATH 0900.

PHYS 1090 - Fundamentals of Physical Universe
(3L, 2LB)(4CR) [E] One semester introduction to the physical sciences (physics and chemistry) designed only for students majoring in elementary education. (Does not qualify as a lab science for non-elementary education majors.)

PHYS 1110 - General Physics I
(3L, 3LB)(4CR) [E] Designed for liberal arts, pre-medical, pre-dental, pre-law, and vocational and technical students. The subject matter is covered with less emphasis on derivations of formulas and more emphasis on the social significance of science and its applications to everyday life. Topics covered are fluids, mechanics, wave motion, and sound.
Prerequisites: MATH 1400, or permission of instructor.

PHYS 1120 - General Physics II
(3L, 3LB)(4CR) [E] Continuation of PHYS 1110. Due to the use of concepts, definitions, and units studied in PHYS 1110, it is recommended as a prerequisite for PHYS 1120. Topics covered are heat, light, electricity, and magnetism.

PHYS 1310 - College Physics I
(4L, 2LB)(4CR) [E] First semester course in physics designed for those majoring in physics, engineering, mathematics, or physical sciences. Topics covered are mechanics and heat.
Prerequisites: MATH 2200.

PHYS 1320 - College Physics II
(4L, 2LB)(4CR) [E] Second semester course in physics designed for those majoring in physics, engineering, mathematics, or physical sciences. Topics covered are electricity and magnetism and wave motion.
Prerequisites: MATH 2205 concurrently and PHYS 1310, or permission of the instructor.

PHYS 2310 - Physics III: Waves and Optics
(4L, 2LB)(5CR) [E] Third semester course primarily for majors in physics, engineering, mathematics, and other sciences. Topics include resonance, wave equations, interference, diffraction, elementary Fourier Analysis, and optical instruments.
Prerequisites: PHYS 1320 concurrently and MATH 2205.

PHYS 2320 - Physics IV: Modern Physics
(4L, 2LB)(5CR) Fourth semester course primarily for majors in physics, engineering, mathematics, and other sciences. Topics include special relativity, quantum mechanics, nuclear and particle physics, wave-particle duality, Bohr Atom, and lasers.
Prerequisits: PHYS 1320 concurrently and MATH 2205.

POLS 1000 - American and Wyoming Government
(3L)(3CR) [E] The organization and nature of the American national government and Wyoming state government and their constitutional development. This course meets the statutory requirement for instruction in the constitutions of the United States and Wyoming.

POLS 1010 - Survey of the U. S. and Wyoming Constitutions
(3L, *)(1CR) *A five-week module of lecture. A study of the Constitutions of the United States and Wyoming, and principles and ideals of American political institutions. This course satisfies the statutory requirement of instruction in the Constitutions of the United States and Wyoming for Casper College, but does not meet requirements for the University of Wyoming.

POLS 1020 - Issues in Foreign Relations I
(3L)(3CR) (BOCES class.) This year-long course entails an introduction to the concepts, institutions, and issues of contemporary foreign relations from the perspective of the United States. The focal point of the course are group analyses of selected prominent issues in the post-Cold War world, which will include extensive research, writing, discussions, and oral presentations of the groups' findings.
Prerequisites: Application and permission of the instructor.

POLS 1030 - Issues in Foreign Relations II
(3L)(3CR) (BOCES class.) This course is the second semester of the yearlong seminar which entails an introduction to the concepts, institutions and issues of contemporary foreign relations from the perspective of the United States. The focal point of this course is the group research assignment.
Prerequisites: Application, POLS 1020, and permission of the instructor.

POLS 1200 - Non-Western Political Cultures
(3L)(3CR) [E] This course gives students an appreciation of non-Western political cultures and how these cultures have created different political institutions and practices. Non-Western nations of Asia, Africa, and the Middle East are used as case studies.

POLS 2000 - Current Issues in American Government
(3L)(3CR) This course examines current political topics in the United States. It focuses on key public policy problems, the policy-making process and the final policy choice. Students must keep abreast of political events on a daily basis and apply basic concepts in American government to current affairs.
Prerequisites: POLS 1000, or permission of the instructor.

POLS 2200 - Politics of Europe
(3L)(3CR) [E] Examines formal and informal aspects of politics in Britain, other West European countries, and the European Union.

POLS 2290 - Governments and Politics of Latin America
(3L)(3CR) This course studies chief cultural and historical factors influencing Latin American political process by drawing on six country case studies as well as regional information. It also surveys major institutions and political patterns of the region.
Prerequisites: POLS 1000, or HIST 1120, or have permission of the instructor.

POLS 2310 - Introduction to International Relations
(3L)(3CR) [E] A theoretical and practical survey of the international political system, including concepts of power and power relationships, elements of international organizations and contemporary international relations.
Prerequisites: HIST 1120, or POLS 1000, or permission of the instructor.

POLS 2410 - Introduction to Public Administration
(3L)(3CR) [E] Public administration involves the core activities of government that are performed, for the most part, by highly trained experts and specialized organizations; its purpose is the development and implementation of public policy. This broad definition encompasses a large dynamic portion of government at all three levels of the federal system, engaging even nonprofit and private enterprise.
Prerequisites: POLS 1000.

POLS 2460 - Introduction to Political Philosophy
(3L)(3CR) [E] A survey of selected writings in the history of Western political theory from the classical period to the present.
Prerequisites: POLS 1000, or sophomore standing, or permission of the instructor.

POLS 2465 - Directed Studies in Political Science
(1-3L) (1-3 CR) This course will center on faculty-guided research in an area of mutual interest to the student and instructor within the political science, international studies, or pre-law majors. This course has the option of including internship experience as part of the directed studies.

POWR 1500 - Power Plant Orientation
(2L, 2LB)(3CR) This first semester course will be designed to address basic energy industry principles and power plant systems overview. Students will be introduced to power plant operations and explore in-depth the circulating water, raw water, condensing, condensate, feedwater and steam systems and their relationship to plant operation. These systems will be described and proper operating procedures will be explained. The philosophy and conceptual framework of the Casper College power technology program are explored.
Prerequisites: Admission to Power Technology program.

POWR 1565 - Power Plant Treatment/Air Quality Control
(3L)(3CR) This course is an introduction to the basic water treatment and air quality processes found in a typical electric power production facility. Students will be introduced to the systems, operation and key components of: water sources, coagulation, flocculation, sedimentation, filtration, disinfection, reverse osmosis, continuous deionization, ion exchange softening and demineralization. Included will be an overview of waste water management and sewage treatment. Introduction to air quality regulations, operation and key components of: selective catalytic reduction, spray dry absorbers, electrostatic precipitators, bag houses and wet scrubber technology.
Prerequisites: admission to the electric power technology program.

POWR 1600 - Power Plant Supply and Control I
(2L, 2LB)(3CR) This course is designed to address power plant fuel supply, air supply, bottom ash and flyash disposal, auxiliary cooling water and control systems. Students will be introduced to a supply systems overview. The uses of and relationships among auxiliary water, operating air, ignition oil, ash disposal and coal fuel systems will be explored as they relate to electric power production. These systems will be described and proper operating procedures will be explained.
Prerequisites: successful completion of POWR 1500, or permission of the instructor.

POWR 1650 - Power Plant Maintenance Practice
(2L, 2LB)(3CR) A study of mining and other industrial plant operating systems. Repair procedures for centrifugal pumps, liquid and air valves, belt alignment, and mechanical drives are covered.
Prerequisites: permission of the instructor.

POWR 1980 - Cooperative Work Experience
(1-8CR) This class is designed to give students hands-on training in electric power generator facilities. A student working for an employer is responsible for employment verification and documentation of hours worked and jobs done. Students staying on campus will meet the training requirements of the department.

POWR 2600 - Power Plant Supply and Control II
(2L, 2LB)(3CR) This course will address steam generators, turbines and generators, and control topics. Students will explore the steam generator, turbine, and generator and their relationship to plant operation. These systems will be described and proper operating procedures will be explained.
Prerequisites: successful completion of POWR 1500 or concurrent enrollment in POWR 1600.

PSYC 1000 - General Psychology
(3L)(3CR) [E] One semester introductory psychology course designed to familiarize the student with the major areas of psychological research. Course orientation is directed toward understanding behavior through an experimental approach. Application of course content to everyday behavior situations is emphasized.

PSYC 2000 - Research Psychological Methods
(4L)(4CR) [E] Introduces students to some of the methods of investigating psychological questions. Exposes students to various research strategies ranging from observational to experimental, using representative laboratory exercises, lectures, readings, films and demonstrations. Requires written and oral reports. Requires extra research time outside of class.
Prerequisites: an introductory course in psychology, completion of ENGL 1020, STAT 2050, STAT 2070 or other four-hour statistic course with lab. Earned letter grade of "C" or better is required in each prerequisite course.

PSYC 2020 - Positive Psychology
(3L)(3CR) This course introduces one of the fastest growing subfields and an emerging shift in the field of psychology from pathology to strengths and resiliency. Positive psychology explores mental health as building on the best in life by seeking to fulfill the lives of healthy individuals. Course content includes research in the areas of happiness/well-being, optimism, creativity, resilience, meaning, and gratitude, as well as practical application of these and other strength-based psychological concepts.
Prerequisites: PSYC 1000 or SOC 1000.

PSYC 2050 - Introductory Counseling/Clinical Theories
(3L)(3CR) An introductory course featuring a review of the development of psychotherapy, a study of psychological concepts basic to the therapeutic process, and understanding of the major models and principles of psychotherapy.
Prerequisites: PSYC 1000.

PSYC 2060 - Psychology of Gender
(3L)(3CR) This course provides students with an opportunity to explore human behavior from a gender perspective. The study of gender has generated controversy and historically, psychologists focused on discovering differences between women and men. The feminist movement has shifted the focus to the lived experiences of women which include the social construction of institutions, race/ethnicity, social class, sexual orientation, and other categories of difference.

PSYC 2080 - Biological Psychology
(3L)(3CR) [E] Introduces biological bases of behavior. Includes ethnology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior and evolution and behavioral genetics. Presents basic structural and functional properties of the nervous system.
Prerequisites: PSYC 1000 and BIOL 1000 or equivalent.

PSYC 2200 - Human Sexuality
(3L)(3CR) An interdisciplinary course designed to acquaint the student with the major factors affecting human sexuality. Relevant research is reviewed in biology, psychology, sociology, and anthropology, as well as religious and historical perspectives.
Prerequisites: three to four hours of a 1000 level introductory psychology or biology course.
Cross-listed: (Cross-listed as SOC 2200.)

PSYC 2210 - Drugs and Behavior
(3L)(3CR) [E] A survey of the drugs which affect behavior, emphasizing both psychotherapeutic agents and drugs with abuse potential. Includes a brief introduction to the chemistry of the brain and pharmacological aspects of each major class of psychoactive drugs will be discussed.
Prerequisites: PSYC 1000 and three to four hours of 1000 level psychology or biology courses.

PSYC 2230 - Sports and Exercise Psychology
(3L)(3CR) An introduction to the field of sport and exercise psychology that focuses on the major areas of psychological research and application regarding sports and exercise environments, processes, performance enhancement, health and well being.
Prerequisites: PSYC 1000.

PSYC 2260 - Alcoholism
(3L)(3CR) Patterns of alcohol use and theories of abuse and addiction will be presented along with current knowledge on the incidence, health effects, economic costs, and trends in treatment. Theoretical concepts will be based on constitutional, psychological and socio-cultural approaches. Issues ranging from pharmacology to societal concerns with problem drinking will be covered.
Prerequisites: PSYC 1000.

PSYC 2300 - Developmental Psychology
(3L)(3CR) [E] Provides an overview of child growth and development through adolescence using a lifespan approach, the theoretical bases for the area of child study, application of solutions to developmental problems, and the physical, psychological, social and emotional aspects of child psychology, as well as current research on the topic.
Prerequisites: three to four hours of 1000 level introductory psychology.

PSYC 2340 - Abnormal Psychology
(3L)(3CR) [E] A general study of abnormal behaviors including types, etiology, and treatment approaches.
Prerequisites: seven hours of psychology or PSYC 1000 and four credits of biology.

PSYC 2350 - Introduction to Death and Dying
(3L)(3CR) This course introduces the psychological aspects of death and dying. Topics include attitudes toward and preparation for death; the understanding of and care for terminally ill patients; funeral rituals; burial, mourning and grief practices; griefwork; suicide and euthanasia. Focuses on psycho-socio-cultural, and religious views of death and ways of handling its personal and social implications.

PSYC 2360 - Lifespan: Adulthood and Aging
(1L)(1CR) [E] An overview of the lifespan from adulthood to later maturity, the theoretical bases for adult development, and the psychological, physical, social and emotional aspects of adult transitions. Current research methodology on adulthood will be emphasized.
Prerequisites: PSYC 2300, or concurrent enrollment with consent of instructor.

PSYC 2380 - Social Psychology
(3L)(3CR) [E] Social Psychology familiarizes students with the psychology of human interaction. Topics addressed include aggression, altruism, attitudes, attraction, conformity, group dynamics, perception of self and others, prejudice, social roles and social power.
Prerequisites: PSYC 1000 or equivalent.

PSYC 2390 - Acquired Brain Injuries
(3L)(3CR) An introductory course that focuses on the major areas of research and treatment application in the field of acquired brain injuries (ABI), Various types of brain injuries, etiologies of these injuries, and treatments of these injuries will be presented.
Prerequisites: PSYC 1000, BIOL 1000 (or equivalent), HLTK 1200.

PSYC 2465 - Special Problems in Psychology
(1-3CR) Directed study and research reserved for students who have successfully completed previous course work in psychology. A comprehensive research project or in-depth literature review is required. Topics must meet with the approval of the instructor the semester prior to initiating the course. Special problem work shall proceed under direct supervision of a Casper College psychology instructor.
Prerequisites: PSYC 2000 or concurrent enrollment, or permission of the instructor.

PSYC 2490 - Topics: (Subtitle)
(2-3L) (2-3CR) (Max. 6) Offered in answer to specific need or public interest. A student may repeat this course twice under different subtitles to a maximum of six credit hours.

PSYC 2970 - Cognitive Retraining Practicum
(1L, 4LB)(3CR) Supervised experience in working with individuals who have acquired brain injuries (ABI) in community based settings. Weekly on campus classes are conducted and students complete a minimum of 60 hours in off-campus practicum locations at cooperating treatment agencies/facilities. The class provides opportunities for students to gain practical field experience in working with individuals with brain injuries and to apply knowledge acquired in previous courses. The off-campus practicum time will be scheduled, structured, and supervised by a certified or licensed professional. S/U grading only.
Prerequisites: PSYC 2390, HLTK 1625, HLTK 1620, CPR and AED.

PTEC 1020 - Introduction to Mechanical Fundamentals
(2L)(2CR) Students explore the mechanical concepts commonly found in a plant setting. They will examine piping systems including dimension, connections, blinding and more. Students become familiar with common hand tools and terminology found in many plants. They examine steam traps, strainers and their applications. They are also introduced to common pumps and drivers, compressors fans and heat exchangers.

PTEC 1500 - Introduction to Process Technology
(2L)(2CR) This course is the foundation for all of the other courses in the PTEC program. Introduction to Process Technology provides a general overview of the Process Industry, the roles and responsibilities of Process Technicians, types of equipment and processes handled on the job, and the general knowledge, skills, and attitudes needed to succeed as a Process Technician. It is expected that students will use this course as an opportunity to explore the industry and the occupation of Process Technician before making a long-term commitment to become a Process Technician.

PTEC 1550 - Foundations of Quality
(2L)(2CR) Foundations of Quality introduces students to many process industry-related quality concepts including operating consistency, continuous improvement, plant economics, team skills and statistical process control (SPC).

PTEC 1600 - Process Technology I
(2L, 2LB)(3CR) The purpose of this course is to provide an overview or introduction into the field of Process Technology I - Equipment within the process industry. Within this course, students will be introduced to many process industry-related equipment concepts including purpose, components, operation, and the Process Technician's role for operating and troubleshooting the equipment.

PTEC 1605 - Process Technology II
(2L, 2LB)(3CR) Fundamentals of automatic control - including the operation of selected sensors and conditioning circuits. Several process control systems will be analyzed and reproduced using single loop digital controllers. Additional topics include: data communications in the industrial process and programmable logic controllers.
Prerequisites: ELTR 1515 or ELTR 1570 or permission of instructor.
Cross-listed: ELTR 1605

PTEP 2500 - Introduction to Paramedic Technology
(7L, 3LB)(8CR) This course covers the preparatory, airway management and ventilation, and patient assessment sections of the EMT -Paramedic National Standard Curriculum. Students will participate in classroom lecture and discussion as well as practical lab exercises designed to prepare the student to provide emergency care to those in need.
Prerequisites: Students must apply for entrance, and be accepted into the paramedic technology program prior to enrollment.

PTEP 2550 - Introduction to Paramedic Technology Clinical
(6LB)(2CR) This clinical time is dedicated to initiating intravenous access, medication administration and airway management in the clinical setting.
Prerequisites: Successful completion of PTEP 2500
Concurrent enrollment in PTEP 2600 and permission of the instructor.

PTEP 2600 - Paramedic Technology Medical Emergencies
(7L, 3LB)(8CR) This course covers the medical emergencies section of the EMT - Paramedic National Standard Curriculum. Students will participate in classroom lecture and discussion as well as practical lab exercises designed to prepare the student to provide emergency care to those who are experiencing a medical emergency along with the appropriate care and intervention(s) necessary to insure safe, effective and efficient transport to the most appropriate facility.
Prerequisites: Students must successfully complete PTEP 2500 and be concurrently enrolled in PTEP 2550.

PTEP 2650 - Paramedic Technology Medical Emergencies Clinical
(9LB)(3CR) This clinical time is dedicated to medical emergencies, respiratory emergencies, cardiology and obstetrics/gynecology with the student having exposure to and participating in the management of medical emergencies in the emergency room, cath lab, cardiopulmonary lab, respiratory therapy and labor and deliver settings.
Prerequisites: Successful completion of PTEP 2600
Concurrent enrollment in PTEP 2700, and permission of the instructor.

PTEP 2675 - Paramedic Technology Trauma
(2L, 15LB)(7CR) This course covers the trauma section of the EMT-Paramedic National Standard Curriculum. Students will participate in classroom lecture and discussion as well as clinical and field experiences designed to prepare the student to provide emergency care to those who have experienced a traumatic injury along with the appropriate care and intervention(s) necessary to ensure safe, effective and efficient transport to the most appropriate facility.

PTEP 2700 - Paramedic Technology Advanced Cardiology and Special Considerations
(7L, 3LB)(8CR) This course covers the trauma and special considerations section of the EMT - Paramedic National Standard Curriculum. Students will participate in classroom lecture and discussion as well as practical lab exercises designed to prepare the student to provide emergency care to those who have experienced

a traumatic injury along with the appropriate care and intervention(s) necessary to insure safe, effective and efficient transport to the most appropriate facility. This course will also explore the pediatric and geriatric populations as well as those who are technology dependent and how to best provide care and transport for those people.
Prerequisites: Students must successfully complete PTEP 2500, PTEP 2550, PTEP 2600 and be concurrently enrolled in PTEP 2650 and have permission of the instructor.

PTEP 2750 - Paramedic Technology Field and Clinical Internship
(3L, 21LB)(10CR) This clinical time is to solidify and put into practice all that has been learned to this point. The student will be able to apply the skills and knowledge gained in previous classroom and clinical experience in order to provide quality and appropriate patient care and transportation to the most appropriate facility. This will be accomplished through extensive clinical and field internship time as well as classroom time preparing for state and national certifying examinations, both written and practical.
Prerequisites: Successful completion of PTEP 2500, PTEP 2550, PTEP 2600, PTEP 2650, PTEP 2700 and permission of the instructor. Students must also have a current AHA BLS for HCP card, AHA ACLS card and AHA PALS card.

RDTK 1500 - Introduction to Radiologic Technology
(4L/week)(1CR) An orientation of the radiologic technology profession. Emphasis is on history, medical ethics, radiology administration, certification, and professional organizations.
Prerequisites: selection into program.

RDTK 1530 - Patient Care and Management
(2L)(2CR)* *Three week minimester session. Orienting student health professionals into patient care methodology in the clinical environment. Emphasis is placed on the illness process and specific nursing and radiologic patient care procedures.

RDTK 1580 - Radiographic Positioning I
(1L, 2LB)(2CR)* *Three week minimester session. Positioning skills of the chest and abdomen; hand and wrist; forearm, elbow and humerus are emphasized.
Prerequisites: acceptance into the Radiography Program.

RDTK 1610 - Radiographic Imaging I
(2L, 3LB)(3CR) Identifying and demonstrating essential operating principles of x-ray machines, and the factors and ancillary equipment that contribute to the production of optimum diagnostic quality radiographs.
Prerequisites: MATH 1400

RDTK 1640 - Radiographic Imaging II
(2L, 3LB)(3CR) Skills that facilitate the production of quality radiographs. Analyzing different modes of imaging and intensification systems. Emphasis is placed on primary and secondary exposure factors, recording media, and special imaging techniques. Computed radiography and digital imaging will be covered in detail.
Prerequisites: RDTK 1610.

RDTK 1680 - Radiographic Positioning II
(1.5L, 1.5LB)(2CR) Positioning skills and anatomy of the lower extremity, myelography, spine radiography and arthrography. Mobile and surgical radiographic procedures will be demonstrated when applicable.
Prerequisites: RDTK 1580.

RDTK 1710 - Clinical Education I
(28LB/week)(2CR) This course involves a practical learning experience in the clinical radiographic environment. Students participate at pre-scheduled time periods and practice their radiographic skills for a total of 144 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Basic skills necessary to perform entry level tasks in the clinical setting will be reviewed. Positioning skills of the chest, abdomen, hand, wrist, elbow and forearm will be covered. Radiation protection principles will be reviewed. See program policies for clinical clock hours vs credit hours description.
Prerequisites: currently passing RDTK 1580.

RDTK 1810 - Clinical Education II
(13.5LB)(3CR) A continuation of RDTK 1710. This course involves a practical learning experience in the clinical radiographic environment. Students participate at pre-scheduled time periods and practice their radiographic skills for a total of 195 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Skills necessary to perform entry level tasks in the clinical setting will be reviewed. Positioning skills of the shoulder, humerus, clavicle, scapula, AC joints, and lower extremities including the pelvic girdle will be covered. See program policies for clinical clock hours vs credit hours description.
Prerequisites: RDTK 1710.

RDTK 1830 - Pharmacology for Radiographers
(1L)(1CR) This course is designed to introduce the radiography student to common drugs the radiographer should be familiar with and those stocked for emergency use. The course will also include an overview of the laws governing drug administration. Venipuncture procedures and skill will be reviewed.
Prerequisites: current enrollment in the radiography program.

RDTK 1910 - Clinical Education III
(13.5LB)(3CR) A continuation of RDTK 1810. This course involves a practical learning experience in the clinical radiographic environment. Students participate at pre-scheduled time periods and practice their radiographic skills for a total of 195 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Skills necessary to perform entry level tasks in the clinical setting will be reviewed. Positioning skills of the spine and contrast studies will be covered. See program policies for clinical clock hours vs credit hours description.
Prerequisites: RDTK 1610 and RDTK 1810.

RDTK 1915 - Introduction to Computed Tomography
(2L)(2CR) This course is designed to introduce the medical imaging student to basic aspects of computed tomography. An overview of history and technical advances related to CT, patient care and assessment specific to CT procedures, contrast media, radiation protection practices, as well as screening procedures and patient education. A basic introduction to the clinical setting will also be included.
Prerequisites: Admission to the Computed Tomography Program.

RDTK 1920 - Computed Tomography Procedures I
(3L)(3CR) This course covers the anatomy and common pathology associated with computer tomography. The anatomical structures will be demonstrated in the axial, sagittal and coronal imaging planes. Scanning protocols, contrast administration, and contraindications for computed tomography of the head, neck, chest, musculoskeletal, abdomen, and pelvis will be presented. Content provides detailed coverage of procedures for CT imaging. Procedures include, but are not limited to, indications for the procedure, patient education, preparation, orientation and positioning, patient history and assessment, contrast media usage, scout image, selectable scan parameters, filming and archiving of the images. CT procedures will be taught for differentiation of specific structures, patient symptomology and pathology images studied will reviewed for quality, anatomy and pathology. CT procedures vary from facility to facility and normally are dependent on the preferences of the radiologists. Patient Care, contrast media, venipuncture, CT injection procedures, radiation safety and protection will be emphasized for each of the scanning procedures.
Prerequisites: Admission to the Computed Tomography Program, HLTK 2200.

RDTK 1925 - Computed Tomography Physics and Instrumentation I
(3L)(3CR) Content is designed to impart an understanding of the physical principles and instrumentation involved in computed tomography. Physics topics covered include the characteristics of X-radiation, CT beam attenuation, linear attenuation coefficients, tissue characteristics and Hounsfield numbers application. Data acquisition and manipulation techniques, image reconstruction algorithms such as filtered back-projection will be explained. Radiation protection and ethical issues associated with CT will be discussed.
Prerequisites: RDTK 1610, RDTK 1640.

RDTK 1930 - Computed Tomography Clinical I
(13.5LB/week)(3CR) Clinical education involves a practical learning experience in the patient care environment. Students participate in pre-scheduled time periods and practice their CT skills in a hospital or clinic setting. Students will be under the supervision of an experienced CT technologist. Emphasis will be placed on equipment utilization, exposure techniques, patient care, evaluation of CT procedures, evaluate image quality, radiation safety practices, contrast administration, positioning protocols and image acquisition. A specified number of clinical exam competencies will be required.
Prerequisites: RDTK 1915.

RDTK 1940 - Introduction to MRI
(2L)(2CR) This course introduces the basic principles of MR safety and covers the concepts of patient management during MRI procedures. Educating patients and ancillary staff on magnet safety also is presented. Patient and magnet-related emergencies represent a unique situation to an MR technologist; recommended procedures and responsibilities of the technologist will be discussed for these situations. This content also covers MR contract agents and contraindications.
Prerequisites: Admission to the MRI Program.

RDTK 1945 - MRI Clinical Education I
(13.5LB/week)(3CR) Clinical education involves a practical learning experience in the patient care environment. Students participate in pre-scheduled time periods and practice their MRI skills in a hospital or clinic setting. Students will be under the supervision of an experienced MRI technologist. Emphasis will be placed on equipment utilization, exposure techniques, patient care, evaluation of MR procedures, evaluation of image quality, MR safety practices, contrast administration, positioning protocols and image acquisition. A specified number of clinical exam competencies will be required. A total of 195 supervised clinical hours will be completed.
Prerequisites: Admission to the MRI Program, RDTK 1940.

RDTK 1950 - MRI Procedures I
(3L)(3CR) This content provides the student with imaging techniques related to the head, neck, spine, chest, thorax and abdominopelvic regions. The content covers specific clinical application, coils that are available and their use, considerations in the scan sequences, specific choices in the protocols (e.g., slice thickness, phase direction and flow compensation), and positioning criteria. Anatomical structures and the plane that best demonstrates anatomy are discussed as well as signal characteristics of normal and abnormal structures. This content outlines the critical criteria relevant to acquiring high-quality images of various anatomical regions. Due to different considerations for the various regions in the body, imaging protocols vary. The student studies the variations in imaging parameters for specific body regions and the resultant effect on signal characteristics and the anatomy represented. Evaluation criteria for determining the quality of images provides MR technologists with a better understanding of what constitutes a high-quality image. In a competency-based educational system, this content is completed prior to competency examinations. Review of appropriate patient care, contrast agents, and safety considerations while working in a magnetic field will be emphasized for each procedure. Pathologies associated with the areas discussed in this course will be reviewed.
Prerequisites: Admission to MRI program, HLTK 2200.

RDTK 1955 - MRI Principles I: Physics of Magnetic Resonance Imaging
(3L)(3CR) This unit provides the student with a comprehensive overview of MR imaging principles. Topics include the history of MR, nuclear MR signal production, tissue characteristics, pulse sequencing, imaging parameters/options and image formation. This course is required to understand the basic principles of MR image acquisition. The course provides information on the fundamentals of MR image acquisition. This information is useful to enable the student to maximize MR image quality by understanding the fundamentals of MR imaging. Other areas covered include: magnetism, properties of magnetism, MR system components, MR magnets (permanent, resistive, superconducting, hybrid), radio frequency (RF) systems, gradient systems, shim systems and system shielding.
Prerequisites: Admission into MRI program, RDTK 1940.

RDTK 2580 - Radiographic Positioning III
(1.5L, 1.5LB)(2CR) Positioning skills of the cranium, sella turcica; petrous pyramids; facial bones; zygomatic arches; nasal bones; mandible; temporomandibular joints; temporal bone; optic foramen; and coccyx, bony thorax, digestive, urinary systems including a study of contract media and fluoroscopy. Pediatric studies will also be included.
Prerequisites: RDTK 1680.

RDTK 2630 - Radiographic Pathology
(2L)(2CR) General principles of pathology as well as disease processes and radiographic manifestations of specific body systems will be covered. A portion of the course will be devoted to the study of cancer and its radiographic appearance for the various systems. (Fall semester.)
Prerequisites: ZOO 2040, ZOO 2041, ZOO 2110, and RDTK 2810.

RDTK 2640 - Radiation Biology and Protection
(2L)(2CR) The effects of ionizing radiation on biological systems and essential radiation protection guidelines to minimize radiation exposure to the radiographer, the patient, and the public.
Prerequisites: RDTK 1610, RDTK 2710, and ZOO 2040, and ZOO 2041.

RDTK 2710 - Clinical Education IV
(28LB/week)(2CR) A continuation of RDTK 1910. This course involves a practical learning experience in the clinical radiographic environment. Students participate at prescheduled time periods and practice their radiographic skills for a total of 144 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Skills necessary to perform entry level tasks in the clinical setting will be reviewed. Contrast studies, mammography, computerized tomography, myelography and arthrography will be emphasized. Students will also be scheduled in rotations through specialty imaging and therapeutic modalities. See program policies for clinical clock hours vs credit hours description.
Prerequisites: RDTK 1910.

RDTK 2810 - Clinical Education V
(22.5LB)(5CR) A continuation of RDTK 2710. This course involves a practical learning experience in the clinical radiographic environment. Students participate at pre-scheduled time periods and practice their radiographic skills for a total of 330 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Skills necessary to perform entry level tasks in the clinical setting will be reviewed. Skull, facial bones, CT, pediatric, contrast studies, trauma, surgical and mobile procedures will be reviewed. Students will also be scheduled in rotations through specialty imaging and therapeutic modalities. See program policies for clinical clock hours vs credit hours description.
Prerequisites: RDTK 2710.

RDTK 2910 - Clinical Education VI
(22.5LB)(5CR) A continuation of RDTK 2810. This course involves a practical learning experience in the clinical radiographic environment. Students participate at pre-scheduled time periods and practice their radiographic skills for a total of 330 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Skills necessary to perform entry level tasks in the clinical setting will be reviewed. Review sessions will cover all imaging procedures in preparation for graduation and the national ARRT examination. Students will also be scheduled in rotations through specialty imaging and therapeutic modalities. See program policies for clinical clock hours vs credit hours description.
Prerequisites: RDTK 2810.

RDTK 2915 - MRI Clinical Education II
(13.5LB/week)(3CR) Clinical education involves a practical learning experience in the patient care environment. Students participate in pre-scheduled time periods and practice their MRI skills in a hospital or clinic setting. Students will be under the supervision of an experienced MRI technologist. Emphasis will be placed on equipment utilization, exposure techniques, patient care, evaluation of MR procedures, evaluation image quality, MR safety practices, contrast administration, positioning protocols and image acquisition. A specified number of clinical exam competencies will be required.
Prerequisites: RDTK 1945.

RDTK 2920 - MRI Procedures II
(3L)(3CR) This content provides the student with imaging techniques related to the musculoskeletal system, upper and lower extremities and vascular systems. The course will also present detailed content covering MRI pediatric procedures and specialized MR imaging exams to include: Magnetic resonance angiography, MR arthrography, and fMRI. The content covers specific application, coils that are available and their use, considerations in the scan sequences, specific choices in the protocols (e.g., slice thickness, phase direction and flow compensation), and positioning criteria. Anatomical structures and the plane that best demonstrates anatomy are discussed as well as signal characteristics of normal and abnormal structures. Content outlines the critical criteria relevant to acquiring high-quality images of various anatomical regions. Due to different considerations for the various regions in the body, imaging protocols vary. The student will study the variations in imaging parameters for specific body regions and the resultant effect on signal characteristics and the anatomy represented. Evaluation criteria for determining the quality of images provides MR technologists

with a better understanding of what constitutes a high-quality image. In a competency-based educational system, this content is completed prior to competency examinations. Pathologies associated with the areas discussed in this course will be reviewed.
Prerequisites: RDTK 1950.

RDTK 2925 - MRI Principles II: Instrumentation and Imaging
(3L)(3CR) This unit is designed to provide the student with a comprehensive overview of MR pulse sequences, image formation and image contrast. Pulse sequences include spin echo, inversion recovery, echo planar, parallel imaging and spectroscopy. In addition, tissue characteristics, contrast agents and post processing techniques are covered. This course provides the student with knowledge of the parameters and imaging options used to create MR images. In addition, the content introduces quality assurance measures used in maintaining image quality.
Prerequisites: RDTK 1955.

RDTK 2930 - Transition from Student to Radiographer
(2L)(2CR) Provides the advanced student technologist an opportunity to review previously learned radiologic material and effectively prepare for the national certification examination. Résumé preparation, interviewing skills and professional organization participation will be included. Continuing personal and professional growth will be emphasized in this course.
Prerequisites: RDTK 2910.

RDTK 2935 - Computed Tomography Clinical II
(13.5LB/week)(3CR) Clinical education involves a practical learning experience in the patient care environment. Students participate in pre-scheduled time periods and practice their CT skills in a hospital or clinic setting. Students will be under the supervision of an experienced CT technologist. In this second clinical course students will be expected to perform more advanced procedures in a solo capacity under supervision. Emphasis will be placed on CT technique, selection, patient care, anatomy, pathology, understanding image quality, radiation safety practices, contrast administration, positioning and image acquisition. Post processing techniques will also be included. A specified number of clinical exam competencies will be required.
Prerequisites: RDTK 1930.

RDTK 2941 - Computed Tomography Physics and Instrumentation II
(3L)(3CR) Content is designed to impart an understanding of the physical principles and instrumentation involved in computed tomography. Physics topics covered include computed tomography systems and operations will be explored with full coverage of radiographic tube configuration, collimator design and function, detector type, characteristics and functions and the CT computer and array processor. CT image processing and display will be examined from data acquisition through post processing and archiving and patient factors related to other elements affecting image quality will be explained, as well as artifact production and reduction and image communication.
Prerequisites: RDTK 1925.

RDTK 2945 - Computed Tomography Procedures II
(3L)(3CR) This course covers the anatomy and common pathology associated with computer tomography. The anatomical structures will be demonstrated in the axial, sagittal and coronal imaging planes. Scanning protocols, contrast administration, and contraindications for computer tomography of the pediatric procedures will be covered in depth to include: exam protocol, radiation protection and dose considerations, special patient care issues and contrast media and injections. Pediatric exams will cover CT of the head, neck, spine, abdomen, chest, musculoskeletal system, and CT angiography. Special applications in CT will be presented. Specialized CT procedures will include breast imaging, interventional CT studies, CT fluoroscopy, PET and CT fusion, cardiac scanning, CT angiography, CT guided biopsies, virtual colonoscopy, brain and transplant studies. Radiation therapy simulation studies will also be discussed. Content provides detailed coverage of procedures for CT imaging. Procedures include, but are not limited to, indications for the procedure, patient education, preparation, orientation and positioning , patient history and assessment, contrast media usage, scout image, selectable scan parameters, filming and archiving of the images. CT procedures will be taught for differentiation of specific structures, patient symptomology and pathology. CT images studied will be reviewed for quality, anatomy and pathology. CT procedures vary from facility to facility and normally are dependent on the preferences of the radiologists.
Prerequisites: HLTK 2200, RDTK 1920.

RDTK 2990 - Special Topics in Radiography: (Subtitle)
(1-3L) (1-3CR) Will be molded to meet the needs in the radiographic community. Topics identified by the group will be discussed in seminar format. Any group with specific concerns should consult the director of the radiologic technology program.
Prerequisites: sophomore standing or graduate technologist.

RELI 1000 - Introduction to Religion
(3L)(3CR) [E] This course will introduce the major world religions and the role they play in shaping cultures and societies. Draws on various academic approaches to study religions emphasizing similarities and differences.

RESP 1500 - Introduction to Respiratory Therapy
(3L)(3CR) Historical, governmental, and association overview of respiratory therapy. This course will introduce the student to patient assessment concepts as well as common respiratory pathologies and an introduction to respiratory pathologies. This course will introduce the student to respiratory physics. (First year summer semester.)
Prerequisites: admission into the respiratory therapy program.

RESP 1505 - Cardiopulmonary Anatomy & Physiology
(2L)(2CR) This course will cover the Anatomy and Physiology of the Cardiopulmonary systems of the adult human body. (First year fall semester.)
Prerequisites: admission into the respiratory therapy program.

RESP 1507 - Respiratory Therapy I
(3L)(3CR) This course will cover Oxygen supply and medical gases, as well as an overview of common respiratory pathologies. (First year fall semester.)
Prerequisites: RESP 1500 RESP 1505.

RESP 1515 - Respiratory Lab I
(4LB)(1CR) This course will be the laboratory where respiratory skills are practiced, simulated and learned before using them in the clinical rotation. Subjects covered will be patient assessment, oxygen systems and administration, aerosol and humidity therapy, medication delivery, lung expansion therapy and pulmonary hygiene. (First year fall semester.)
Prerequisites: RESP 1500, RESP 1505.

RESP 1518 - Respiratory Practicum I
(12LB)(3CR) Students will rotate to several clinical sites as well as our clinical simulation center, in order to practice skills training under direct supervision. These rotations will include patient assessment, oxygen administration, aerosol and humidity therapy, medication delivery and lung expansion therapy.
Prerequisites: RESP 1500, RESP 1505.

RESP 1523 - Respiratory Pharmacology
(2L)(2CR) This course will cover material on respiratory specific drugs and those drugs that are commonly used in association with respiratory disease. (First year fall semester.)
Prerequisites: RESP 1500, RESP 1505.

RESP 1527 - Respiratory Therapy II
(3L)(3CR) Course material will cover subjects of respiratory failure, and mechanical ventilation for the adult patient. All phases of mechanical ventilation will be introduced, including initiation, management and weaning. (First year spring semester.)
Prerequisites: RESP 1507, RESP 1515, RESP 1518, RESP 1523.

RESP 1535 - Respiratory Lab II
(4LB)(1CR) Course material will include mechanical ventilation and patient monitoring, airway management, suctioning, tracheostomy care and EKG's. (First year spring semester.)
Prerequisites: RESP 1507, RESP 1515, RESP 1518, RESP 1523.

RESP 1538 - Respiratory Practicum II
(16LB)(4CR) Continuation of skills training at our clinical sites and clinical simulation center. Additional skills in airway management and ventilator initiation will be introduced under direct supervision. Case studies will be researched and presented to the class. The student will also participate in critical thinking classes to improve their clinical decision making skills. See program handbook for clinical clock hours vs credit hours description. (First year spring semester.)
Prerequisites: RESP 1507, RESP 1515, RESP 1518, RESP 1523.

RESP 1545 - Respiratory Pathophysiology
(2L)(2CR) This course will cover common respiratory therapy disease pathologies that require special diagnostic evaluation techniques and treatment modalities. Course subject content will include airway management, EKG's, PFT's, HBO, bronchoscopy, chest tubes and the pathophysiology of the renal system.
Prerequisites: RESP 1507, RESP 1515, RESP 1518, RESP 1505

RESP 2500 - Respiratory Specialty Practicum
(12LB)(3CR) Continuation of skills training at our clinical sites, and clinical simulation center. During this clinical rotation, students will be exposed to mechanical ventilation in the adult critical care setting.

RESP 2507 - Respiratory Therapy III
(3L)(3CR) This course will continue in the study of mechanical ventilation with emphasis on advanced modes and management as well as operational overviews of ABG drawing and analysis. Students should have an understanding of some common pathophysiologies associated with critical care. (Second year fall semester.)
Prerequisites: RESP 2500.

RESP 2510 - Respiratory Pediatrics and Neonatology
(2L)(2CR) Course material will cover prenatal, neonatal, and pediatric respiratory care. (First year spring semester.)
Prerequisites: RESP 2500

RESP 2545 - Respiratory Lab III
(4LB)(1CR) Course material will cover additional mechanical ventilation modalities along with ABG's drawing techniques. Clinical competencies will include newborn and pediatric respiratory care and ventilator management. The students will be required to complete NPR certification. (Second year fall semester.)
Prerequisites: RESP 2500.

RESP 2548 - Respiratory Practicum III
(16LB)(4CR) Continuation of skills training at our clinical sites and clinical simulation center, with an emphasis on ICU, critical care and advanced ventilator management. The student will also participate in critical thinking classes to improve their clinical decision making skills. Case studies will be researched and presented. See program handbook for clinical clock hours versus credit hours description. (Second year fall semester.)
Prerequisites: RESP 2500.

RESP 2557 - Respiratory Therapy IV
(3L)(3CR) Course material will cover the transitioning from student to the respiratory care professional. Students will prepare for the national board exams, with a complete comprehensive review of respiratory care. (Second year spring semester.)
Prerequisites: RESP 2507, RESP 2510, RESP 2545, RESP 2548.

RESP 2570 - Respiratory Simulations
(2L)(2CR) Students will take and pass the NBRC level written and simulation exams. Course work will help towards the success of passing these exams. (Second year spring semester.)
Prerequisites: RESP 2507, RESP 2510, RESP 2545, RESP 2548.

RESP 2575 - Respiratory Lab IV
(4LB)(1CR) Laboratory skills training for passing the advanced cardiopulmonary life support (ACLS) as well as pediatric advanced life support (PALS) tests. Introduction of advanced respiratory modalities. A research paper assignment involving an aspect of respiratory care. (Second year spring semester.)
Prerequisites: RESP 2507, RESP 1545, RESP 2545, RESP 2548.

RESP 2578 - Respiratory Practicum IV
(16LB)(4CR) Continuation of skills training at our clinical sites, and clinical simulation center. Students will travel to a Level III nursery for clinical exposure to neonate and pediatric critical care. Emphasis will be on all aspects of ventilator management, the acute respiratory patient and preparation for the CSE portion of the RRT exam. Students will research, present and critique case studies. See program handbook for clinical clock hours vs credit hours description. (Second year spring semester.)
Prerequisites: RESP 2507, RESP 2510, RESP 2545, RESP 2548.

RETK 1500 - Solar Power Systems
(2L)(2CR) This course will introduce students to the basic concepts of various active and passive solar energy conversion technologies as they relate to other renewable energy technologies.

RETK 1505 - Small Wind Turbines
(2L)(2CR) This course is designed to examine small wind generation. Students will learn how small wind generators function, their connection to loads and distribution systems and design and application considerations. Students will also explore small wind turbine siting including potential wind energy calculations and turbine performance.

RETK 1520 - Wind Power Systems
(2L, 2LB)(3CR) This course is designed to provide students with an in-depth overview of wind power systems on the commercial size scale. The class – will explore turbine components and operations, operations of wind generating facilities, maintenance practices and system interconnect requirements.

RETK 1525 - Blade Installation and Maintenance
(2L, 2LB)(3CR) This course is designed to introduce students to the design considerations, installation and maintenance of wind turbine blades. The course will address blade performance as a function of blade design (aerodynamics), installation of blades for commercial size turbines and basic repair and maintenance of turbine blades.

RETK 1530 - Crane and Rigging Operations
(1L)(1CR) This course will introduce students to crane and rigging operations and will include presentations on crane operation theory and rigging procedures.

RETK 1535 - High Angle/Confined Space Rescue
(1L, 2LB)(2CR) This course will introduce students to the minimum requirements needed to safely rescue and perform elevated work.

RETK 1980 - Cooperative Work Experience
(1-8 CR) (Max. 8) On the job training with a cooperative renewable energy business or facility. Eighty hours of work per semester earns one hour of credit.
Prerequisites: Permission of the instructor.

RETK 2500 - Basic Site Planning
(3L)(3CR) This class is designed to teach students the concepts and processes employed in evaluating and preparing sites for construction of renewable energy projects.

RETK 2530 - Instrumentation
(2L, 2LB)(3CR) This course will introduce students to instrumentation systems used in the performance and condition monitoring and controlling of renewable energy technologies including wind power production, active and passive solar applications.
Prerequisites: ELTR 1570 or permission of the instructor.

RETK 2550 - Power Distribution
(2L, 2LB)(3CR) This course will introduce students to basic concepts in electric power distribution systems as they relate to renewable energy resources. The course will examine inter-connection equipment and process and electric power substation, transmission and distribution systems.
Prerequisites: ELTR 1535 or permission of the instructor.

REWM 1000 - Introduction to Range Management
(1L)(1CR) Principles of range management as they apply to various grazing areas in Wyoming. The relationship of range management practices to livestock production, wildlife management, watershed management, recreation, and industrial uses. Some time will be given to a discussion of range management problems brought up by the group.

REWM 2000 - Principles of Range Management
(2L, 2LB)(3CR) [E] Basic principles of range management as they relate to livestock production, conservation practices and wildlife management, region vegetative types and range sites, and grazing systems and multiple range uses. Several field trips included.

ROBO 1610 - Introduction to Robotics
(4LB)(2CR) Students will explore the principles of robotics by building, programming, and modifying a robot. Students will gain experience in the following areas: fabrication, electronics, computer programming, physics, and teamwork.

ROBO 1615 - Competition Robotics I
(4LB)(2CR) This class will be an intense two months of designing, fabricating, programming and testing a team robot to compete in the regional FIRST robotics competition. Students must have experience in one of the following areas: CAD drafting, welding and fabrication, electronics, computer programming, or physics.
Prerequisites: ROBO 1610, or permission of the instructor.

ROBO 1650 - Electromechanics
(2L, 2LB)(3CR) The course will examine mechanical devices used in motion control. The emphasis will be on gear, belt and chain drives as well as simple transmissions. Students will also learn about DC and AC motors and motor control circuits used with these mechanical systems.

ROBO 2580 - LabView
(2L)(2CR) Students will learn how to use the LabView environment to simulate and control an automated process or motion control system.

ROBO 2590 - Motion Control
(2L, 2LB)(3CR) Controlling robots to perform various tasks using wireless and autonomous control based on sensor input. The course will examine mechanical motion, a variety of sensors, and communications used in controlling robots.

ROBO 2595 - Robot Systems
(2L, 4LB)(4CR) Students will learn how robot control must be integrated with other aspects of the control system. The course will use robot simulation software to design control systems for a variety of applications
Prerequisites: ROBO 2590 or permission of the instructor.

ROBO 2600 - Introduction to Design and Simulation
(2L, 2LB)(3CR) An introductory course in the design, simulation, and implementation of robotic controlled systems and basic servo controlled systems. This class will design and simulate automated control of robotic systems and products, using 3D modeling and simulation software.
Prerequisites: ROBO 2590, ENTK 2510 or permission of the instructor.

ROBO 2616 - Robot Construction
(4LB)(2CR) Advanced class in robotics. Students will be working on complex projects in designing, building, and programming a robot. Students will gain advanced experience in fabrication, electronics, computer programming, physics, and teamwork.

ROBO 2617 - Competition Robotics II
(4LB)(2CR) This class will be an intense two months of leading a team effort to build a robot. Technical skills developed in previous classes will be used as a background to lead the team.
Prerequisites: ROBO 1615, or permission of instructor.

ROBO 2690 - Robot Welding
(2L, 2LB)(3CR) Students will learn the fundamentals of safely programming a robot for welding applications.
Prerequisites: ROBO 2590 or WELD 1770 or WELD 1820 or permission of the instructor.

ROBO 2975 - Independent Study
(1-3CR) Robotics majors who have completed the introductory courses may be permitted to contract with the instructor for special advanced problems in robotic applications to be pursued at independent study.

ROBO 2980 - Cooperative Work Experience
(1-8CR) (Max. 8) On the job training with an industrial automation, robotics, industrial maintenance, fabrication or service facility. Eighty hours of work per semester earns one hour of credit.

ROBO 2990 - Special Topics in Automation and Robotics
(1-4CR) Robotics majors who have completed the introductory courses may be permitted to contract with the instructor for special advanced problems in robotic applications to be pursued as independent study.

RUSS 0900 - Russian for Travelers
(1L)(1CR) A course of simple Russian to help the traveler make plans, obtain tickets, order meals, and ask for and understand general information as needed for travel in a Russian-speaking country.

RUSS 1010 - First Year Russian I
(4L)(4CR) This course utilizes a multi-skill approach: listening, speaking, reading, and writing and is designed for beginners or those with a weak background in Russian. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.

RUSS 1020 - First Year Russian II
(4L)(4CR) This course is a continuation of RUSS 1010 and utilizes a multi-skill approach: listening, speaking, reading, and writing and is designed for beginners or those with a weak background in Russian. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: RUSS 1010 or equivalent.

SOC 1000 - Introduction to Sociology
(3L)(3CR) [E] A survey of the organization of human society and the impact of group membership and interpersonal relationships upon human behavior.

SOC 1100 - Social Problems
(3L)(3CR) [E] An analysis of the causes, effects and possible avenues for eradicating the social problems of our society. Crime, delinquency, family disorganization, racial conflict, and poverty are some areas of investigation.
Prerequisites: SOC 1000, or permission of the instructor.

SOC 2112 - Environmental Sociology
(3L)(3CR) Environmental sociology is focused on the intersection of the social and physical worlds. The course explores the constant interaction between human societies and the environments they depend upon. The analysis includes an examination of economic patterns like consumption, production, and the use of environmental resources. The course also includes a discussion of the social mechanisms that shape our relationship to the environment – norms, roles, values, beliefs, and ideology.

SOC 2200 - Sociology of Human Sexuality
(3L)(3CR) [E] An interdisciplinary course designed to acquaint the student with the major factors affecting human sexuality. Relevant research is reviewed in biology, psychology, sociology, and anthropology, as well as religious and historical perspectives.
Prerequisites: A 1000 level introductory social science or biology course.
Cross-listed: (Cross listed as PSYC 2200.)

SOC 2325 - Marriage and Family
(3L)(3CR) The family as a major institution. The significant aspects of courtship and marriage; contemporary marital and domestic problems; changing functions of the family and the impact of major social changes on family life are studied.
Prerequisites: SOC 1000, PSYC 1000, or permission of the instructor.

SOC 2400 - Criminology
(3L)(3CR) [E] A general introduction to the nature of crime, statistics on crime, types of criminal behavior, and explorations of crime.
Prerequisites: SOC 1000, or permission of the instructor.

SOIL 2010 - Introduction to Soil Science
(3L, 2LB)(4CR) Introduces soil ecological processes and management in terrestrial environments. Discusses interaction of soil, biological, chemical. Morphological, and physical properties with land management in wild land and agricultural ecosystems. Emphasis is on plant response to soil conditions. (Spring semester.)
Prerequisites: None

SOWK 2000 - Foundations of Social Work
(3L)(3CR) Introduces social work and social welfare through an overview of the history, philosophy, ethics, values, methods, and fields of practice to generalist social work.
Concurrent enrollment in SOWK 2005 is optional.

SOWK 2005 - Social Work Lab
(2LB)(1CR) This volunteer assignment is designed to acquaint the student with services and agencies providing a wide range of human services in the field of social work. This course is an optional Lab component taken in concern with SOWK 2000 – Foundations of Social Work.

SOWK 2025 - Social Work Cornerstone
(2L)(2CR) In this class, students will reflect upon prior coursework in a range of social science disciplines. In addition, students will complete assignments that assist in preparation for further study in the field of social work.
Prerequisites: SOC 1000, SOWK 2000, ENGL 1020, ECON 1010, and PSYC 1000

SPAN 0900 - Spanish for Travelers
(1L)(1CR) A course of simple Spanish to help the traveler order meals, make travel plans, obtain tickets, and ask for and understand general information as needed for travel in a Spanish-speaking country.

SPAN 1005 - Novice Spanish I
(2L)(2CR) This course is for the student who is weak in English grammar. While grammar is presented, the course emphasizes conversational Spanish using the natural approach. Listening, reading, writing, and speaking skills are developed. The student is introduced to Hispanic culture, the purposes and values of studying Spanish, and the Spanish language's influence on modern civilization. A student who needs four credits of Spanish for his/her degree must take one semester of SPAN 1005 followed by one semester of SPAN 1015 to receive credit equivalent to SPAN 1010. Should a student take SPAN 1005 followed by SPAN 1010, the student will receive credit for only SPAN 1010. Four credits maximum are allowed for SPAN 1005, SPAN 1010, and SPAN 1015. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: For those students who have never studied Spanish and have an English ACT score of less than 18, or a COMPASS writing score of less than 75.

SPAN 1010 - First Year Spanish I
(4L)(4CR) [E] This course is intended for students who have never studied Spanish at the college level. Students will learn the fundamentals of the Spanish language through listening, speaking, reading and writing activities of the ACTFL (American Council on the Teaching of Foreign Languages) Novice Low Level. This course will also introduce students to the culture of various Spanish-speaking countries. Language laboratory times are required as needed. Students who want to take for credit the next course in the

sequence must complete this course with grade of a 'C' or better.
Prerequisites: None; however, the course is strongly recommended for students who have completed the equivalent of 0-5 semesters of high school Spanish.

SPAN 1015 - Novice Spanish II
(2L)(2CR) This course is a continuation of the objectives outlined in SPAN 1005. A student who needs four credits of Spanish for his/her degree must take one semester of SPAN 1005 followed by one semester of SPAN 1015 to receive credit equivalent to SPAN 1010. Should a student take SPAN 1005 followed by SPAN 1010, the student will receive credit for only SPAN 1010. Four credits maximum are allowed for SPAN 1005, SPAN 1010, and SPAN 1015. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: SPAN 1005 with a grade of "C" or better.

SPAN 1020 - First Year Spanish II
(4L)(4CR) [E] This course is a continuation of the objectives in SPAN 1010. Students will become more proficient in listening, speaking, reading, and writing Spanish and will further their grammatical study of the Spanish language at the ACTFL (American Council on the Teaching of Foreign Languages) Novice Mid-Level. The course will continue to introduce students to the culture of various Spanish-speaking countries. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in SPAN 1010, CLEP test result, equivalent of 6-8 semesters of high school Spanish with a cumulative "B" average or better in those classes, or instructor's permission.

SPAN 2030 - Second Year Spanish I
(4L)(4CR) [E] This course focuses on increased development of listening, speaking reading, and writing skills in Spanish. Students review and expand upon grammar points which facilitate successful communication at the ACTFL (American Council on the Teaching of Foreign Languages) Novice High Level. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in SPAN 1020, CLEP test result, equivalent of 5-6 years of middle/junior high and high school Spanish with a cumulative "B" average or better in those classes, or instructor's permission.

SPAN 2040 - Second Year Spanish II
(4L)(4CR) [E] This course further emphasizes the development of all four communicative aspects of the Spanish language through composition, conversation, oral presentations, and grammar study at the ACTFL (American Council on the Teaching of Foreign Languages) Intermediate Low Level. Language laboratory times are required as needed.
Prerequisites: A grade of "C" or better in SPAN 2030, CLEP test result, or instructor's permission.

SPAN 2140 - Introduction to Reading/Composition and Conversation
(3L)(3CR) [E] Reading of literature with emphasis on creative written expression; included is an introduction to Hispanic culture. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: SPAN 2040, or permission of the instructor. Students speak in Spanish. Emphasis on Latin American literature.

SPAN 2220 - Intermediate Composition and Conversation
(3L)(3CR) Reading of literature with emphasis on creative written expression; included is an introduction to Hispanic culture. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: SPAN 2140, or permission of the instructor. Students speak in Spanish. Emphasis on Spanish literature.

SPAN 2410 - Introduction to Oaxacan Culture
(1L)(1CR) This course will focus on unique culture found in Oaxaca, Mexico. It will prepare students to more fully appreciate that culture while living in the midst of it as they attend a Spanish Language course at the Universidad Regional del Sureste (URSE) and take part in a service learning project in Oaxaca. This course is required of all students who wish to participate in the Student Exchange between Casper College and URSE. It must be passed with a grade of "C" or better and must be taken concurrently with SPAN 2420.
Prerequisites: Successful completion of SPAN 1010 with a grade of "C" or better, must be 18 years old by 1 January of the year in which the exchange is offered.

SPAN 2420 - Travel to Mexico: Oaxaca
(3L)(3CR) This course will focus on unique or specific situations associated with traveling to Mexico (specifically Oaxaca). It will prepare students to successfully complete a Spanish language course at the Universidad Regional del Sureste (URSE) and a service learning project in Oaxaca. This course is required of all students who wish to participate in the Student Exchange between Casper College and URSE. It must be passed with a grade of "C" or better and must be taken concurrently with SPAN 2410.
Prerequisites: Successful completion of SPAN 1010 with a grade of "C" or better; must be 18 years old by 1 January of the year in which the exchange is offered.

SPAN 2475 - Independent Study, Spanish
(1-4CR) (Max. 4) Individual appointments with instructor. Books studied independently by student in consultation with instructor. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.
Prerequisites: SPAN 2040, or permission of the instructor.

SPAN 2495 - Workshop: Topic
(.5-3CR) (Max. 12) Offered in response to needs and interests of students and members of business and the community. Various topics will focus on development of practical Spanish-speaking skills and cultural awareness. A student may repeat this course, under different topics, for credit up to a maximum of 12 credit hours. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better.

STAT 2050 - Fundamentals of Statistics
(5L)(5CR) [E] Primarily for the students of the life sciences, behavioral sciences, and physical sciences. Includes frequency distributions and graphics, central tendency, dispersion, useful probability models, and basic statistical inference including linear regression and correlation.
Prerequisites: A "C" or better in MATH 1000 or MATH 1400, or an ACT Math score of 23 or better, or an appropriate COMPASS Exam score within the past year.

STAT 2070 - Introductory Statistics for Social Science
(5L)(5CR) [E] Primarily for the students of the social sciences. Includes frequency distributions and graphics, central tendency, dispersion, useful probability models, and basic statistical inference including linear regression and correlation, with emphasis on applications in the social sciences.
Prerequisites: A "C" or better in MATH 1000 or MATH 1400, or an ACT Math score of 23 or better, or an appropriate COMPASS Exam score within the past year.

STAT 2120 - Fundamentals of Sampling
(5L)(5CR) This course develops methodology of simple random sampling, stratified sampling, and multistage sampling; provides applications related to physical, social, and biological sciences; discusses single and two-variable estimation techniques; and presents estimation based on subsamples from subpopulations.
Prerequisites: A "C" or better in STAT 2050 or STAT 2070.

STAT 2121 - Sampling Supplement
(2L)(2CR) This course is a required co-enrollment class to be taken with STAT 4155 (Sampling) offered at Casper College by the University of Wyoming. When combined with STAT 4155, content is identical to STAT 2120.

STAT 2150 - Statistical Methods of Data Analysis
(5L)(5CR) [E] A continuation of statistical inference methods begun in STAT 2050. Multi-sample and multivariate methods — step-wise Regression, ANOVA, ANCOVA, MANOVA, and Non-Parametric Testing. Emphasis is on interpretation of analyses provided by the statistical computer package SPSS.
Prerequisites: STAT 2050 or STAT 2070.

STAT 2220 - Experimental Design
(5L)(5CR) This course reviews design and analysis of one-factor experiments and introduces multi-factor experiments, Latin squares, nested designs and random effects. It also introduces topics such as polynomial response curves, trend analysis, split plots, and incomplete blocks as time permits.
Prerequisites: A grade of "C" or better in STAT 2150.

STAT 2221 - Design and Analysis of Experiments Supplement
(2L)(2CR) This course is a required co-enrollment class to be taken with STAT 4025 (Design and Analysis of Experiments) offered at Casper College by the University of Wyoming. When combined with STAT 4025, content is identical to STAT 2220.

STAT 2240 - Categorical Data Analysis
(5L)(5CR) This course covers applied methods for analyzing associations when some or all variables are measured in discrete categories, not continuous scales. Topics include the binomial, multinomial, and Poisson probability models, parameter estimation and hypothesis-testing and proportions, measures of association and tests for contingency tables, logistic regression, and log-linear models.
Prerequisites: A grade of "C" or better in STAT 2150.

STAT 2241 - Categorical Data Analysis Supplement
(2L)(2CR) This course is a required co-enrollment class to be taken with STAT 4045 (Categorical Data Analysis) offered at Casper College by the University of Wyoming. When combined with STAT 4045, content is identical to STAT 2240.

STAT 2485 - Statistics Laboratory
(1L, 2LB)(2CR) This course provides a real-life introduction to the elements of client consultation. The student will learn to translate the client's needs into statistical methodology under the supervision of the faculty. Client questions will include elements of design, sampling methods, analysis procedures, and interpretation of analysis, which the student will now learn to apply. Complicated issues will be discussed and resolved in a seminar format.
Prerequisites: A grade of "C" or better in STAT 2220.

THEA 1000 - Introduction to the Theatre
(3L)(3CR) [E] Designed to stimulate an interest and appreciation of the role of the theatre in the modern world including a survey of major theatrical periods from the Golden Age of Greece into the 20th century, a study of the effective evaluation of theatrical performance, and the modern business of theatre.

THEA 1005 - The Art of Sound
(1L)(1CR) A study of the basic concepts of sound in the field of theatre, radio, television, internet and live performances. Learning the art form of sound and basic techniques of the equipment for recorded and live art. Topics include: under scoring, dialog, foley, dramatic audio, basics of microphones, mixers and sound systems. Editing equipment for audio production.
Prerequisites: None

THEA 1010 - Introduction to Theatre for Theatre and Dance Majors
(3L)(3CR) [E] A foundation course for theatre and dance majors as preparation for other theatre and dance courses. It is an introduction to the Casper College Theatre and Dance facilities, theatre history, the business and practitioners of theatre, theatre styles and genre.

THEA 1100 - Acting I
(3L)(3CR) [E] A foundation performance course with emphasis on exploring and developing sensory and emotional resources through creative exercises and improvisations leading to performance readiness. The course uses a step-by-step 'learn by doing' methodology.

THEA 1115 - Twentieth Century Avant Garde Theatre
(3L)(3CR) This course will introduce students to styles and methods of performance that emerged as alternatives to mainstream theatre in the 20th century.

THEA 1125 - Musical Theatre Performance Techniques I
(2L, 2LB)(3CR) This course is designed to integrate the learned skills of singing, acting, movement, voice and dancing into a synthesized, cohesive musical theatre performance craft.

THEA 1220 - CAD for Theatre
(2L, 2LB)(3CR) An introductory course in computer graphics using AutoCAD software to create drafting for scenic and lighting designs. Students will be given the opportunity to learn 2-D and 3-D drawing, how to properly maintain files and how to produce hard copies.

THEA 1471 - Technical Theatre Practicum – Costuming
(4LB)(2CR) Required technical theatre lab work for all technical theatre majors not registered in THEA 2220 Stagecraft. Hands-on work constructing costumes used in Casper College Theatre and Dance Department productions. The student will develop an overview of how all the areas of technical construction overlap and support each other.

THEA 1472 - Technical Theatre Practicum – Lighting
(4LB)(2CR) Required technical theatre lab work for all technical theatre majors not registered in THEA 2220 Stagecraft. Hands-on work in lighting preparation used in Casper College Theatre and Dance Department productions. The student will develop an overview of how all the areas of technical construction overlap and support each other.

THEA 1473 - Technical Theatre Practicum – Properties
(4LB)(2CR) Required technical theatre lab work for all technical theatre majors not registered in THEA 2220 Stagecraft. Hands-on work constructing properties used in Casper College Theatre and Dance Department productions. The student will develop an overview of how all the areas of technical construction overlap and support each other.

THEA 2010 - Theatrical Backgrounds Drama I
(3L)(3CR) [E] First semester of a one-year course. A study of plays from the major periods of dramatic literature. This course will cover from the Greeks through the Restoration.
Prerequisites: THEA 1000 or THEA 1010.

THEA 2020 - Theatrical Backgrounds Drama II
(3L)(3CR) [E] Second semester of a one-year course. Covers major plays from the 18th century to the present. A continuation of THEA 2010.
Prerequisites: THEA 2010, or permission of the instructor.

THEA 2030 - Beginning Playwriting
(2L)(2CR) This course helps develop the student's playwriting skills. It covers play formatting and scene writing exercises. Each exercise will be written outside of class. The student's work will then be read and discussed in the following class.

THEA 2050 - Theatre Practice
(1-2CR) (Max. 10) [E] Individually supervised practical training during the rehearsal and performance of faculty-directed theatre productions. Open entry.
Prerequisites: permission of the instructor.

THEA 2100 - Acting II
(3L)(3CR) A course to develop the actor's voice and body for characterization and character interaction through performance of scenes. Study of character and scene analysis.
Prerequisites: THEA 1100, or permission of the instructor.

THEA 2135 - Script Development
(2L)(2CR) In this course, the class will explore the process of bringing a play "from the page to the stage." Student playwrights with early drafts of original material will have the opportunity to workshop their plays with a group of actors and designers. As the plays are being revised, the group will examine ways in which the plays might be produced, gaining valuable insight into how the business of the theatre operates. Using only the resources available through the Department of Theatre and Dance and a production budget allocated by the Bakkhai, student directors and designers will have the opportunity to explore their visions of extant material and develop their ideas for production during the summer Theatre Brute season.

THEA 2140 - Voice for Acting
(3L)(3CR) Study of voice and articulation as a means of improving vocal expression in performance.

THEA 2145 - Introduction to Theatrical Costuming
(1L, 4LB)(3CR) [E] Will introduce all aspects of stage costuming: design, and the integrating of the costume with scenery, make-up, and lighting. The focus will be toward the practical construction of costumes and will include practical laboratory work on college productions.

THEA 2155 - Movement for Acting
(3L)(3CR) This course focuses on the physical training of the actor. Aspects of physical training that will be covered are: warm ups, dynamic movement, relaxation and alignment, coordination and control, and techniques such as stage combat and mime.

THEA 2160 - Stage Make-up
(1L, 4LB)(3CR) [E] The practice of techniques involved in stage make-up. Straight and character make-ups, the application and shaping of beards and mustaches, and other techniques of realistic and nonrealistic make-up.

THEA 2220 - Stagecraft
(2L, 4LB)(4CR) [E] Study of basic skills and procedures used to realize a design idea into a finished stage production. Work in design principles and techniques, set construction, color, and stage lighting. Laboratory required.

THEA 2225 - Playing with Shakespeare: Literature in Performance
(4L)(4CR) A fresh look at Shakespeare, aimed at engaging students' interests and increasing their appreciation and enjoyment of his works. Will include study of a variety of different performances. Will examine and respond to the interpretations of actors, directors, and literacy critics in order to arrive at a more complete understanding of Shakespeare's plays, both as literature and performance.
Prerequisites: ENGL 1010, or permission of the instructor.
Cross-listed: (Cross-listed as ENGL 2225.)

THEA 2230 - Stage Lighting
(3L)(3CR) An introduction to the discipline of stage lighting. Will focus on the fundamentals of stage lighting, including the history of lighting, illumination, lighting equipment, projection principles, color, elementary electricity, lighting control, and basic design.

THEA 2235 - Introduction to Scenic Design
(3L)(3CR) An introduction to the discipline of scenic design. Course will focus on the fundamentals of scenic design, including the history of design, fundamentals and principles of design, design process, and production of designer drawings, elevations, renderings and models.
Prerequisites: THEA 2220

THEA 2310 - Auditioning
(2L, 2LB)(3CR) Practical experience in preparing and presenting audition material, and a preparation for a career in theatre, film or television.
Prerequisites: THEA 1100, THEA 2100, or permission of instructor.

THEA 2311 - Portfolio Preparation
(1L)(1CR) This course is for beginning costume, makeup, set or lighting designers, stage managers and/or technical directors. It is the study and practice of the techniques and skills required to assemble a professional portfolio and to prepare the student to present their work and themselves in a professional manner when interviewing for transfer schools or jobs.

THEA 2350 - Musical Theatre History and Analysis
(4L)(4CR) Understanding the history of musical theatre through the reading, listening, watching, and analyzing of specific groundbreaking musicals representative of the genre throughout the decades, and then how that information applies to each students professional craft.

THEA 2360 - Musical Theatre History and Analysis II
(3L)(3CR) An advanced study of the analysis of musical theatre through the reading, listening, watching, and analyzing of specific groundbreaking musicals representative of the genre, and then how that information applies to each student's professional craft. This course will fulfill the general education requirement for Cultural Environment.
Prerequisites: THEA 2350

THEA 2370 - Summer Theatre
(2-6LB) (1-3CR) [E] (Max. 4) Credit for participation in the Casper College Summer Theatre Program in all phases of production. Open entry. (Summer term.)
Prerequisites: permission of the instructor.

THEA 2475 - Directed Special Projects in Theatre
(1-3L, 2-6LB)(3CR) (Max. 6) For students who wish to work in greater depth in acting, scenic design, stage lighting, costuming, research in theatre, etc. Course content will be contracted individually with each student in order to provide greater emphasis and experience in that student's area of interest.

THEA 2490 - Topics: (Subtitle)
(1-3L) (1-3CR) (Max. 6) Offered in answer to specific need or public interest, especially seminars with visiting guest artists.

THEA 2790 - Stage Management
(2L)(2CR) Learn the basic techniques used by stage managers to run and organize auditions, rehearsals, technical rehearsals and performances.

WELD 1555 - Welding Technology Safety
(1L, 1LB)(1.5CR) Designed to increase awareness of accident prevention and to recognize potential hazards in the working environment. Emphasis in the theory and practice of hand tools and shop equipment including good working habits toward drilling, tapping, grinding, filing, letter stamping, metal cutting, drill sharpening, machine guarding, and layout.

WELD 1650 - Print Reading
(2L)(2CR) Designed to develop technical understanding of standard American Welding Society (AWS) symbols contained on engineering drawings and to effectively use this information to communicate welding instructions from the designer to the welder and fitter.

WELD 1700 - General Welding
(.5L, 1LB) (1CR) or (1L, 3LB) (2.5CR) Includes the study of oxyacetylene welding, cutting and brazing (OAW, OAC), and Shielded Metal Arc Welding (SMAW) processes. Students should develop skills necessary to produce quality welds on mild steel joints utilizing both processes.

WELD 1710 - Oxyacetylene Welding and Cutting
(1L, 1LB)(1.5CR) Instruction in welding safety, oxyacetylene cutting (OAC), oxyacetylene welding (OAW) and torch brazing (TB) processes. Identification of the most common joint designs, including joining processes using bead, fillet, and groove welds. Applications used with art forms, pipe welding, and nonferrous metals are covered.

WELD 1755 - Shielded Metal Arc Welding
(2L, 10LB)(7CR) Provides the student with the technical knowledge of Shielded Metal Arc Welding (SMAW) safety, power sources, and electrode classification and selection. Training is provided to develop skills necessary to produce quality welds on mild steel in all positions using mild steel electrodes, low hydrogen electrodes, and iron powder electrodes using both AC and DC current.

WELD 1770 - Gas Metal Arc Welding (GMAW)
(1L, 7LB)(4.5CR) Provides the student with a technical understanding of Gas Metal Arc Welding (GMAW) equipment, trouble-shooting and adjustments, metal transfer, shielding gases, and welding safety. Will include training in the gas metal arc spray and short circuit transfer, Flux Cored Arc Welding (FCAW), and Innershield.

WELD 1780 - Gas Tungsten Arc Welding (GTAW)
(1L, 7LB)(4.5CR) Provides the student with the knowledge and understanding of the Gas Tungsten Arc Welding (GTAW) process, welding safety, and arc characteristics. Students should develop skills necessary to produce quality fillet and open groove welds on mild steel, stainless steel, and aluminum.

WELD 1820 - GMAW and GTAW Welding
(1L, 3LB)(2.5CR) Provides basic instruction in the Gas Tungsten Arc Welding (GTAW) and Gas Metal Arc Welding (GMAW) processes. Emphasis on safety, machine set-up and trouble-shooting, and power sources. Students should develop skills necessary to produce quality welds on mild steel, aluminum, and stainless steel joints utilizing both processes.

WELD 1860 - Welding Fabrication
(1L, 7LB)(4.5CR) Building a project of their choice, students display design, layout, and welding skills. Abilities are further developed using a variety of processes on construction of metal structures. Students are given the opportunity to compete in local and national competition with their projects.
Prerequisites: WELD 1650, WELD 1710, WELD 1755, WELD 1770, AUBR 1820.

WELD 1910 - Specialized Welding and Joining
(2L, 2LB)(3CR) Emphasizes unique applications of hard-to-join metals and plastics. Utilizing modern technology, students are exposed to new dimensions in welding. Various laboratory exercises will cover plasma, submerged arc welding, resistance spot welding, metal surfacing, thermal torch spraying, and thermoplastic welding.
Prerequisites: WELD 1710, WELD 1755, WELD 1770, WELD 1820, AUBR 1540.

WELD 1975 - Independent Study Welding
(1-3CR) Provides an option for students with sufficient background to pursue special interests in the welding laboratory under contract with the instructor.
Prerequisites: Welding majors only.

WELD 1980 - Cooperative Work Experience
(1-8CR) (Max. 8) Advanced students are afforded the opportunity to gain practical on-the job experience in their specialties. Students will be supervised by the instructor and the employer. A minimum of 80 hours of on-the-job training represents one semester credit.
Prerequisites: permission of the instructor.

WELD 2500 - Structural Welding
(1L, 3LB)(2.5CR) A continuation of ARC welding techniques utilizing Shielded Metal Arc Welding (SMAW) Gas Metal Arc Welding (GMAW) on a variety of structural applications. Emphasis will be placed on multiple positions and joint geometry common to industry. Testing and course material will be based on the American Welding Society Structural Welding Code D1.1.
Prerequisites: WELD 1710 and WELD 1770.

WELD 2510 - Pipe Welding I
(1L, 5LB)(3.5CR) An introduction to pipe fabrication. Emphasis will be on joint preparation, formulas used in pipe layout, and uphill and downhill techniques. Welding will be done on carbon steel using the Shielded Metal Arc Welding (SMAW) process with qualification testing in accordance with API and ASME codes.
Prerequisites: WELD 1710.
Concurrent enrollment in WELD 1755 is required.

WELD 2520 - Pipe Welding II
(2L, 6LB)(5CR) Designed to combine skills developed in previous courses to prepare pipe joints on carbon steel, stainless steel, and aluminum pipe. Welding will be done using the Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), and Gas Metal Welding (GMAW) processes in the 2G, 5G and 6G positions. This course includes a welder qualification performance test in accordance with Section IX of the ASME Boiler and Pressure Vessel Code.
Prerequisites: WELD 2510.

WELD 2670 - Welding Inspection
(2L, 1LB)(2.5CR) For supervisors, engineers, inspectors, and fabricators who require the knowledge to evaluate the adequacies of weldments and their compliance with welding procedures, codes and specifications. Coverage of weld discontinuities and defects, including the testing methods used today. Joint geometry, weld processes, filler metal applications, and metallurgy will be emphasized to broaden the spectrum for those involved with quality control operations.
Prerequisites: WELD 1755, WELD 1770, WELD 1780, or permission of the instructor.

WELD 2680 - Welding Metallurgy
(2L, 2LB)(3CR) Instruction in different grain structures of commonly used metals and their reaction to heat treatment, welding machining, surface treatments, and mechanical stress. Various laboratory exercise on stress relief, shrinkage, fatigue, ingotism, and cooling rates will be presented. Designed for anyone interested in welding, machining, or industrial arts requiring knowledge of classification and characteristics of metals.

WELD 2970 - Welding Internship
(1-8CR) Students will be placed in selected welding related industries for guided learning experiences providing the students with practical application of knowledge and skills learned in the classroom.
Prerequisites: permission of the instructor.

WELD 2995 - Welding Workshop
(2LB)(1CR) A variable interest course in the welding field designed for vocational education instructors only.

WMST 1080 - Introduction to Women's Studies
(3L)(3CR) [E] A discussion of issues central to women's studies: the psychology, sociology and acculturation of women, and women's contributions to and influence on society, culture, work, and the arts.

WMST 2020 - Women and Food
(3L)(3CR) "Who is cooking what, for whom, under what conditions, and does it matter? Are we what we eat? A daily activity all of us must do and have done since the day we were born, eating plays a role in constructing our identities and the worlds we live in...this course will examine the complex interplay of food and the construction of identities and social structures. Focusing on women and gender within the contexts of race, class, and sexuality, we will explore food practices historically both domestically and in larger social structures including the global context. We will use historical and social analyses as well as memoir and fiction to explore these issues." (description used with permission from Dr. Avakian at 2010 WMST Conference).
Prerequisites: None.

WMST 2021 - Women in Music
(3L)(3CR) This course explores women's contribution to the field of Western music from Ancient Greece to modern times.
Prerequisites: None.
Cross-listed: MUSC 2021

WMST 2025 - Women in Global Culture
(3L)(3CR) In this course, we will explore global and cross-cultural perspectives on women and feminism. We will examine feminist perspectives across a range of national and international issues affecting all people, with an emphasis on the realities women face. We will also analyze the feminist debates surrounding Western concepts of feminisms and compare Western concepts to other concepts in different geographic and cultural contexts.
Prerequisites: None.

WMST 2040 - History of Women in America
(3L)(3CR) Examine women's history, the activities and circumstances specific to women in America, and their contributions, influences, and significance.
Prerequisites: ENGL 1010, (or concurrent enrollment) or permission of the instructor.

WMST 2480 - Directed Special Projects
(1-3L) (1-3CR) (Max. 3) Research project designed by student in consultation with instructor from the women's studies department, and with approval of the director of women's studies.
Prerequisites: WMST 1080 and permission of the instructor.

ZOO 2040 - Human Anatomy
(3L)(3CR) [E] This course is designed to give students a hands-on experience with the microscopic and macroscopic elements of human anatomy. Topics covered include human anatomical principles ranging from the cellular to the organ system level. This course is intended to provide students with a solid anatomical background, which may be used to assist in learning human physiology.
Corequisite: (This course must be combined with ZOO 2041 and ZOO 2110 in order to fulfill an anatomy and physiology requirement. *NOTE: a maximum of 8 credit hours in an Anatomy and Physiology course sequence may be applied toward graduation.)
Cross-listed: (Cross-listed at UW as KIN 2040.)

ZOO 2041 - Human Anatomy Lab
(3LB)(1CR) [E] This course is designed to give students a hands-on experience with the microscopic and macroscopic elements of human anatomy. Topics covered include human anatomical principles ranging from the cellular to the organ system level. This course is intended to provide students with a solid anatomical background, which may be used to assist in learning human physiology.
To be taken concurrent with ZOO 2040 Human Anatomy.
Cross-listed: (Cross-listed at UW as KIN 2041.)

ZOO 2110 - Human Physiology
(3L, 3LB)(4CR) This course is a scientific inquiry into the physiology of select organ systems in the human body during homeostasis. Physical exertion, environmental effects and pathological change will also be discussed as they pertain to physiological change in organ system function. Physiologic concepts will be related to anatomical organization.
Corequisite: (This course must be combined with ZOO 2040 and ZOO 2041 in order to fulfill an anatomy and physiology requirement. *NOTE: a maximum of 8 credit hours in an Anatomy and Physiology course sequence may be applied toward graduation.)
Cross-listed: (Cross-listed with PEPR 2110.)

ZOO 2140 - Cadaver Anatomy
(3L, 2LB)(4CR) 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, students will learn basic dissection techniques and will apply them to the dissection of a human anatomical donor. The course is regionally organized so that the primary focus is on the thorax, abdominal and cranial regions. Extremity, back and pelvic prosections will be studied. (Spring only.)
Prerequisites: Successful completion of ZOO 2040/ZOO 2041 and ZOO 2110, or permission of the instructor.

ZOO 2450 - Principles of Fish and Wildlife Management
(3L)(3CR) [E] Emphasizes principles of habitat and population biology and management, human dimensions of wildlife management, as well as law and policy.
Cross-listed: ENR 2450

Notes

Awards and Emerti

Faculty Awards

- Burlington Northern Foundation Faculty Achievement Awards
- Judith Bailey Scully Teaching Award
- Rosenthal Outstanding Educator Award
- Garth Shanklin Faculy Leadership Excellence Award
- Garth Shanklin Adjunct Faculty Teaching Excellence Award

Administration/Staff Awards

- Outstanding Administrator Award
- Robert O. Durst Classified Staff Award

Burlington Northern Foundation Faculty Achievement Awards

This award was established to recognize outstanding College and University teaching. Sponsored by the Burlington Northern Foundation.

Mrs. Gale Alexander [1986]

Mr. James Howard [1986]

Dr. Tom Clifford [1987]

Mr. James Best [1987]

Dr. James Milek [1988]

Mr. Robert Moenkhaus [1988]

Ms. Carolyn Logan [1989]

Dr. James O'Niell [1989]

Mr. Jon Brady [1990]

Dr. Gerald Nelson [1990]

Mrs. Charlene Davis [1991]

Dr. Ruth H. Doyle [1991]

Mr. John Schroer [1992]

Mrs. Gretchen Wheeler [1993]

Judith Bailey Scully Teaching Award

This award was established to honor faculty who demonstrate academic excellence as characterized by Judith's outstanding accomplishments as a Casper College and University of Wyoming student.

Jodi Youmans-Jones [2005]

Mickie Goodro [2006]

Tammy Frankland [2007]

Kendall Jacobs [2008]

Ebba Stedillie [2009]

Erich Frankland [2010]

Jessica Hurless [2011]

Marty Finch [2012]

Dale Anderson [2013]

Paul Marquard [2014]

Gretchen Wheeler [2015]

Rosenthal Outstanding Educator Award

The Rosenthal Outstanding Educator Award recognizes outstanding Casper College educators who participate in professional organizations or activities and take an active role in community or out-of school cultural activites.

Judy Cavanagh [1987]
Director, Nursing Programs

Richard R. Means [1987]
Director, Testing

F.E. "Skip" Gillum [1988]
Chair, Social and Behavioral Sciences

Michael H. Sarvey [1988]
Chair, Business

Lynn Munns [1989]
Art Instructor and Division Chair

Jean G. Wheatley [1989]
Director, Athletics/Physical Education Instructor

Albert E. "Al" Allen [1990]
Geology Instructor

Paul L. Wolz [1990]
English, German, and Humanities Instructor

James Gaither [1991]
Art History and Painting Instructor

Helon H. Raines [1991]
English and Writing Center Director

Thomas Empey [1992]
Director, Theater

Lynda Durham [1993]
Spanish Instructor

Gale Alexander [1994]
Director/Instructor, Communication Program

Mary Kubichek [1994]
Legal Assistant Instructor

Roger Fenner [1995]
Music Instructor

Cheryl Wrasper [1995]
Nursing Instructor

Gary Becker [1996]
Physical Education, Business Instructor, Women's Basketball Coach

Willard Robinson [1996]
Biology Instructor

Kelly Burch [1997]
Agriculture Instructor

Pete Wildman [1997]
Mathematics Instructor

Ebba Stedillie [1998]
Communication, English Instructor

Eric Unruh [1998]
Music (Piano) Instructor

Joan Bangen [1999]
Early Childhood Education Instructor

Gerald Nelson [1999]
Physical Science Department Chairperson

David Arndt [2000]
Electronic Technology Instructor

Gretchen Wheeler [2000]
Communication, Theatre, Forensics Instructor

Douglas Crowe [2001]
Biology Instructor

Clare Eastes [2001]
Education Instructor

Megan Graham [2002]
Electronics Technology Instructor

Nancy Wright [2002]
Business Office Technology Instructor

Erich Frankland [2003]
Political Science Instructor

Grant Wilson [2003]
Language and Literature Division Chair

Ruth Doyle [2004]
Education/Psychology Instructor

Mark Steinle [2004]
Construction/Welding Instructor

C. Evert Brown [2005]
Biology Instructor

Kerri Mahlum [2005]
Early Childhood Education Instructor

Melissa Connely [2006]
Geology Instructor

Barbara Mueller [2006]
Anthropology & Sociology Instructor

William Mixer [2007]
Director, Environmental Training and Resource Center

Ann Rognstad [2007]
English and Reading Instructor

Chad Hanson [2008]
Sociology Instructor

Jianjun He [2008]
Music Theory Instructor

Richard Burk [2009]
Theatre Instructor

Lesley Travers [2009]
Addictionology Instructor

Garth Shanklin [2010]
Psychology Instructor

Jean Tichenor [2010]
Music (vocal) Instructor

Shawn Powell [2011]
Psychology Instructor

Kent Sundell [2011]
Geology Instructor

Liz Ott [2012]
Accounting Instructor

Patrick Patton [2012]
Music Instructor

Jared Bowden [2013]
Physics Instructor

Jessica Hurless [2013]
Communication Instructor

Dale Anderson [2014]
Fire Science Instructor

Heath Hornecker [2014]
Agriculture Instructor

Scott Nolan [2015]
General Business Instructor

Laurie Weaver [2015]
Radiography Instructor

Garth Shanklin Faculty Leadership Excellence Award

The Garth Shanklin Faculty Leadership Excellence Award recognizes a full-time faculty member at Casper College who has distinguished her/himself as a leader in the teaching profession, as evidenced by outstanding contributions to the profession through leadership positions, dedication to his/her students, legislative influence, community service, and/or scholarly work.

Cammy Rowley [2014]
Early Childhood Education Instructor

Claudia Stewart [2015]
Mathematics Instructor

Garth Shanklin Adjunct Faculty Teaching Excellence Award

The Garth Shanklin Adjunct Faculty Teaching Excellence Award recognizes an adjunct faculty member at Casper College who demonstrates exceptional teaching abilities by promoting special learning opportunities, profound student interactions, and innovation in the classroom.

Gail Schenfisch [2014]
Sign Language Instructor

Leon Chamberlain [2015]
Social Work Instructor

Outstanding Administrator Award

The Outstanding Administrator Award is designed to recognize an administrator who demonstrates an outstanding service reputatioin

A. LeRoy Strausner [1989]
Dean of Students

Paul E. Hallock [1990]
Director, Planning and Development

Stan McDowell [1991]
Director, Intramurals

Garth Shanklin (1992)
Director, Counseling

R. Lynnette Anderson [1993]
Director, College Library

Russell Poppen [1994]
Director, Student Placement/Career Services

Jenny Black [1995]
Admissions Coordinator

Darry Voigt [1996]
Director, Student Financial Aid

William Landen [1997]
Director, College Relations

Lynn Fletcher [1999]
Registrar/Coordinator Admissions and Student Records

Linda (King) Toohey [2000]
Director, Admission Services

Shirley Jacob [2001]
Grants Coordinator

Ron Mathisen [2002]
Buildings Maintenance Supervisor

Jim Ochiltree [2003]
Vice President Student Services

Mark Robinson [2004]
Campus Security Director

Barb Meryhew [2005]
Director, Housing/Student Activities

Janet de Vries [2006]
Director, Career Services

Kevin Anderson [2007]
Western History/Automation Specialist

Kim Byrd [2009]
Student Success Coordinator

Lois Davis [2010]
Dean, Educational Resources

Alison McNulty [2011]
Registrar/Director of Admissions and Student Records

Robyn Landen [2012]
Director of Financial Services/Controller

Teresa Wallace [2013]
Director of Counseling

Donna Sonesen [2014]
Director of Early Childhood Learning Center

Leanne Sims [2015]
Student Success Counselor

Robert O. Durst Classified Staff Award

The Robert O. Durst Classified Staff Award was established to recognize Casper College Staff members who possess the qualities of an outstanding classified staff member, is involved and contributes to campus and community activities and has exemplary achievements and/or accomplishments.

Sarah Sulzen [2007]
Academic Assistant, Life Science

Kathy Coe [2008]
Academic Assistant, Language and Literature

Mary Lewellan [2009]
Student Success Specialist

Robert Taylor [2010]
HVAC Technician

Glenda Pullen [2011]
Executive Asst. Vice President - Academic Affairs

Mike McLemore [2012]
AV Media Instruction Technician

Belle Stapleton [2013]
Custodial Crew Leader

Melody Dugan [2014]
Office Assistant Adult Learning Center

Russell Hawley [2015]
Tate Museum Education Specialist

Guidelines for Emeritus Selection

1. Must retire (not resign).
2. Years of service
   (a) 20 years total (minimum) or
   (b) have 15 years of continuous service at age 60.
3. Have recommendation of school.
4. Title corresponding to that held in active service. Upon reaching the status of emeritus, the name, year of employment, degrees held, and emeritus status will be published in the annual Casper College catalog. The recipient of the emeritus status shall be provided with a lifetime pass which will allow the holder of the pass to attend any college sponsored activity.
5. Must be living.

Charles D. Adkins (1981)
B.B.A. (Eastern Kentucky University), M.B.A. (Gonzaga University)
Instructor Emeritus, Accounting 2004

Lloyd M. Agte (1973)
B.A. (University of Idaho), M.A. (Sul Ross State University), Ph.D. (Kent State University)
Instructor Emeritus, English, Video 2004

Albert Allen (1965)
Curator, Tate Museum B.S. (Phillips University), M.S. (University of Oklahoma)
Instructor Emeritus, Geology, Physical Science 1996

Kathie J. Anderson (1966)
B.S., M.S. (Montana State University), Advanced Graduate Study (University of Wyoming)
Instructor Emeritus, Business Information Systems 2004

Kevin Anderson (1987)
A.A.(Casper College), B.A. (University of Wyoming), C.A.(Academy of Certified Archivists)
Archivist Emeritus, Western History Center 2010.

Lynnette Anderson (1971)
B.A. (University of Wyoming), M.L.S. (Rutgers University)
Director Emeritus, Goodstein Foundation Library 2008.

Ruth Anne Atnip (1976)
A.S. (Casper College), B.S.N., M.S.N. (University of Wyoming)
Instructor Emeritus, Nursing 1999

Paul A. Bengtson (1969)
B.S. (Montana State University), M.A.T. (University of Montana). Advanced Graduate Study: (Oklahoma State University, University of Wyoming)
Instructor Emeritus, Mathematics 1998

James L. Best (1970)
A.A. (Northwest Community College), B.A., M.S. (University of Wyoming)
Instructor Emeritus, Engineering 1998

Jon E. Brady (1967)
B.A., M.A. (University of Denver), J.D. (University of Wyoming), Advanced Graduate Study: (University of Wyoming)
Instructor Emeritus, Political Science 1998

Sandra H. Brown (1979)
B.S.N. (University of Pennsylvania), M.S. (University of Wyoming)
Instructor Emeritus, Nursing 2004

Evelyn A. Brummond (1977)
A.A. (Casper College) B.A. (University of Wyoming) M.A. (Kent State University) Advanced Graduate Study (University of New Mexico)
Instructor Emeritus, English 2008

Verla A. Carter (1979)
A.A. (Casper College), B.A. (University of Wyoming), M.S.N. (University of California, Los Angeles)
Instructor Emeritus, Nursing 1994

David L. Cherry (1976)
B.A. (Washington and Jefferson College, M.A. (Southern Illinois University), Ph.D. (Northern Arizona University)
Academic Dean Emeritus, Social & Behavioral Science, 2012

Lyle F. Cox (1973)
A.A. (Casper College), B.A. (University of Wyoming),
Associate Dean of Students Emeritus, 2005

Ted S. Cross (1968)
B.S. (St. Lawrence University, Math), B.S. (Massachusetts Institute of Technology, Electrical Engineering), M.S. (University of Wyoming)
Instructor Emeritus, Electronics 1991

Charlene Davis (1981)
A.A. (Casper College), B.A. (Stephens College), M.A. (University of Denver), Graduate Study: (University of Wyoming, University of Colorado, Lindenwood College, University of Denver, National College of Education, University of Pennsylvania, University of Northern Colorado)
Instructor Emeritus, Education, 1999

Ron Day (1979)
A.A.S., B.S. (Purdue University), M.A. (Ball State University)
Instructor Emeritus, Computer Graphics and Drafting, 2002

S. Donald Dobby (1974)
A.S. (Casper College), B.S., M.S. (University of Colorado), M.B.A. (University of Denver)
Instructor Emeritus, Mathematics, 2000

Janice A. Dodson (1971)
B.S., M.S. (University of Colorado)
Instructor Emeritus, Physical Education, 1999

Billie Donovan (1969)
A.S. (Casper College), B.A. (Hastings College), M.A. (University of Arizona), Advanced Graduate Study: (University of Arizona, Colorado State University)
Instructor Emeritus, English, Literature, 1999

Ruth H. Doyle (1976)
B.S. (Montana State University), M.S. (Montana State University), Ed.D. (University of Wyoming)
Instructor Emeritus, Psychology, 2014

Francis Dunston (1967)
B.S. (University of Wyoming), M.A.T. (Colorado State University)
Division Chair Emeritus, Business 1991

Stanton P. Durham (1976)
B.A., M.A. (Cornell University), Ph.D. (University of Michigan)
Instructor Emeritus, French, Italian, Humanities, Philosophy, English 1999

Beverly Dye (1987)
B.S. (South Dakota State University)
Director Emeritus, Adult Learning Center 2014

Clare Eastes (1987)
B.A. (Tarleton State University), M.A. (University of Wyoming)
Instructor Emeritus, Education 2007

Thomas H. Empey (1979)
A.A. (Dixie College), B.A., M.A. (Brigham Young University)
Instructor Emeritus, Theatre 2010

Roger L. Fenner (1974)
B.M.E., M.M. (University of Nebraska), Advanced Graduate Study (University of Northern Colorado; Peabody Conservatory of Music; University of Wisconsin, Milwaukee; Aspen Music School)
Instructor Emeritus, Music 2004

Forrest E. “Skip” Gillum (1972)
A.S. (Casper College), B.S. (Chadron State University), M.P.A. (University of Wyoming), Ph.D. (Colorado State University)
Vice President Emeritus, Academic Affairs 2004

William D. Glasspoole (1985)
B.A. (University of Wyoming). M.Ed. (Colorado State University)
Division Chairman Emeritus, Trades and Technology 1996

Michele A. Goodro (1982)
B.A. (University of Utah), M.T.S. (Idaho State University)
Instructor Emeritus, Computer Science, Math 2007

C. Paul Hartman (1965)
B.S., M.Ed. (Colorado State University)
Instructor Emeritus, Agriculture, Construction Technology, Industrial Processes 1993

James A. Howard (1967)
B.S. (Buena Vista College), M.A. (University of Kansas), Advanced Graduate Study: (University of Wyoming, University of Colorado, Chadron State College)
Instructor Emeritus, Physiology 1998

Richard Jacobi (1981)
B.A. (Morningside College), M.A., M.F.A (University of Iowa)
Instructor Emeritus, Art 2007

David P. Jacobson (1986)
B.S., M.S. (University of Wyoming), Advanced Graduate Study: (University of Maine, Montana State University)
Instructor Emeritus, Mathematics 2004

Jeanine Jones (1967)
B.S. (Montana State University)
Director Emeritus, Student Health 1993

Jane Q. Katherman (1961)
B.A. (University of Missouri), M.A. (University of Missouri)
Instructor Emeritus, History 1985

Floyd W. Kelly Jr. (1969)
A.S. (Fort Lewis College), B.S. (Colorado State University), M.S. (University of Oregon), Ph.D. (University of Idaho), Postdoctoral Study (Utah State University, University of WY)
Instructor Emeritus, Chemistry 2012

Jolene Knaus (1986)
A.S. (Casper College) B.S.N., M.S. (University of Wyoming)
Instructor Emeritus, Nursing 2010

C. Donald Knerl (1968)
B.A. (University of Wyoming)
Director Emeritus, School of Career Studies 1986

Mary S. Kofakis (1981)
B.A. (Lindenwood College), M.A. (Denver University), M.Ed. (Lesley College)
Instructor Emeritus, Business Information Systems 2007

Arlene F. Larson (1971)
B.A. (University of Northern Iowa), M.A.T. (Colorado College), Advanced Graduate Study: (University of Denver)
Instructor Emeritus, English 1998

Lloyd H. Loftin (1963)
B.S. (Eastern Illinois State University), M.S. (Oklahoma State University), Ed.D. (Oklahoma State University)
President Emeritus 1988

Carolyn Logan (1967)
B.A., M.A. (University of Wyoming), Ph.D. (The Union Institute, Cincinnati, Ohio)
Instructor Emeritus, English, Women's Studies 1999

Alison McNulty (1997)
A.A. (Hibbing State Community College), B.S. (Bemidji State University)
Registrar Emeritus, Student Records 2012

Richard R. Means (1965)
B.A. (Kearney State College), M.Ed. (University of Wyoming), Professional Diploma (University of Wyoming)
Director Emeritus, Testing 1997

Christian E. Michelson (1970)
B.S. (Washington State University), Ph.D. (University of Utah)
Instructor Emeritus, Chemistry 1998

James Milek (1967)
A.A. (Casper College), B.A., M.S. (University of Wyoming), D.A. (University of Northern Colorado)
Instructor Emeritus, Biology, Genetics 2006

Lisa K. Mixer (1988)
B.A. (San Diego State University)
Programs Coordinator Emeritus, Adult Learning Center 2014

William G. Mixer (1983)
B.S. (Ohio State University), M.P.A. (University of Wyoming)
Instructor Emeritus, Environmental Science 2014

Robert A. Moenkhaus (1967)
B.A.(Elmhurst College), M.A. (University of Wyoming), M.Div. (Eden Theological Seminary), Advanced Graduate Study: (University of Wyoming)
Division Chair Emeritus, Social and Behavioral Science 1998

Barbara L. Mueller (1985)
B.A. (Drew University), M.A. (University of Arizona), Ph.D. (University of Arizona)
Instructor Emeritus, Anthropology 2014

Lynn Munns (1971)
B.S., M.F.A. (Utah State University)
Division Chair Emeritus, Fine Arts 2006

Gerald Nelson (1977)
B.S. (Montana State University) Ph.D. (University of Kansas)
Instructor Emeritus, Geology 2013

Susan R. Nelson (1989)
A.S. (Casper College) B.S. (University of Wyoming) M.S. (Montana State University - Bozeman)
Instructor Emeritus, Mathematics 2013

Walter H. Nolte (2004)
A.A.(Tacoma Community College), B.A., M.A. (University of Puget Sound, Washington), Ph.D. (University of Texas, Austin)
President Emeritus 2015

Marianne North (1982)
B.A. (University of Denver), M.Ed. (University of Massachusetts), Advanced Graduate Study: (Adams State College, University of Wyoming, Appalachian State)
Instructor Emeritus, Developmental Studies 1999

Barbara E. Ochiltree (1987)
B.S. (University of Wisconsin, River Falls), M.Ed. (University of North Dakota, Grand Forks)
Emeritus, ABE/GED, Recruitment and Retention 2007

James K. Ochiltree (1985)
B.S. (University of Wisconsin), M.S. (University of Wisconsin), Ph.D. (University of North Dakota)
Vice President Emeritus, Student Services 2007

Patrick E. K. Patton (1977)
B.M. (University of Wyoming) M.M. (Univeristy of Missouri - Kansas City) D.M.A. (University of Missouri - Kansas City)
Instructor Emeritus, Music 2013

Curtis C. Peacock (1971)
B.M.Ed., B.M., M.M. (University of Colorado), Advanced Graduate Study: (University of Colorado)
Instructor Emeritus, Music 2001

Bonnie D. Phillips (1967)
B.S., M.S. (University of Wyoming), Ph.D. (University of Northern Colorado)
Instructor Emeritus, Business 1996

Richard Reitz (1962)
B.A. (University of Colorado), M.A. (Middlebury College)
Instructor Emeritus, English 1990

Donald Robinson (1976)
A.A. (Pasadena City College), B.U.S., B.S. (University of New Mexico), M.P.A. (University of Wyoming)
Instructor Emeritus, Political Science, 2012

Jack Romanek (1965)
B.S., M.S. (Nebraska State, Chadron)
Director Emeritus, Student Center 1991

Michael H. Sarvey (1970)
B.S. (University of Wyoming), M.S. (Arizona State University), Advanced Graduate Study: (University of Wyoming)
Instructor Emeritus, Accounting 2000

Frances Schroder (1978)
B.S. (Central State University), M.A. (Oklahoma State University)
Instructor Emeritus, Business Office Technology 1999

L. John Schroer (1969)
B.S. (Montana State University), M.S.T. (Wisconsin State University)
Instructor Emeritus, Physics 2004

William S. Seese (1966)
B.S. (University of New Mexico), M.S. (University of New Mexico), Ph.D. (Washington State University)
Instructor Emeritus, Chemistry 1987

Garth Shanklin (1986)
B.S., M.S.Ed. (University of Wisconsin), M.S. (Colorado State University)
Instructor Emeritus, Psychology, 2012

Alan G. Skillman (1965)
B.S. Ed.D. (Montana State University), M.S. (University of Utah)
Instructor Emeritus, Mathematics 2000

Ebba Stedillie (1990)
B.A. (Wayne State College) M.A. (Chadron State College)
Instructor Emeritus, Communications 2013

Richard J. Stein (1971)
B.S. (Colorado State University), M.S. (University of Wyoming) Advanced Graduate Study: (University of Wyoming, University of Denver)
Instructor Emeritus, Mathematics 1998

Joe W. Stewart (1961)
B.J. (University of Missouri), M.A. (University of Wyoming)
Dean Emeritus, Continuing Education 1985

Randy Stutheit (1978)
B.A. (Chadron State College)
Vice President Emeritus, Administrative Services 2008

Robert Suedes (1960)
B.A. (Dakota Wesleyan), M.B.A. (University of Denver)
Instructor Emeritus, Economics 1989

Jean M. Tichenor (1982)
B.M. (University of Denver), M.M. (Colorado State University)
Instructor Emeritus, Music 2010

Janice Traylor (1966)
A.S. (Casper College), B.S.N. (University of Wyoming), M.Ed. (Lesley College), M.S. (University of Portland)
Instructor Emeritus, Nursing 1999

Judith S. Turner (1974)
Diploma, (St. Joseph Hospital-Denver), B.S.N. (University of Utah), M.S. (Texas Women's University), Advanced Graduate Study: (University of Wyoming)
Associate Dean for Academic Affairs Emeritus, 2001

Jacqueline K. Valdez (1973)
A.A. (Casper College), B.A. (University of Denver), M.A. (University of Wyoming)
Instructor Emeritus, English 2004

William Vance (1966)
A.B. (University of Colorado), M.S. (Oklahoma State University)
Dean Emeritus, Admission Services 1990

Robert G. Walkinshaw (1958)
B.S. (University of Wyoming), M.Ed. (Oregon State University),
Director Emeritus, Physical Plant and Campus Development 1987

Jean Wheatley (1966)
B.A. (Tarkio College), M.Ed. (University of Wyoming)
Director Emeritus, Athletic Department 1993

Ronald G. Wicks (1979)
B.S. (Northern State College, South Dakota)
Instructor Emeritus, Allied Health, Physical Education 2004

Robert L. Wilkes (1967)
B.S., M.S. (Iowa State University), Advanced Graduate Study: (University of California, San Francisco University Extension, University of Northern Colorado)
Instructor Emeritus, Psychology 2004

Paul L. Wolz (1965)
B.A. (Brigham Young University), M.A. (Brigham Young University - German), M.A. (University of Wyoming - Adult Education); Advanced Graduate Study: (Brigham Young University, Fulbright Seminar, Geothe Institute - Munich, Germany, University of Wyoming, Wiesneck Seminar, Germany)
Division Chair, Instructor Emeritus, Language and Literature/ English, German 2001

Cheryl Wrasper (1979)
B.S.N. (University of Wisconsin); M.S. (University of Wyoming)
Instructor Emeritus, Nursing 2000

Harold W. Wright, Jr. (1979)
A.A.S. (Casper College), Caterpillar, Detroit Diesel, Cummins, Bencis, Delco, Remy, Euclid, and Fiat Factory Training Schools
Instructor Emeritus, Diesel Power 2008

Nancy J. Wright (1981)
B.A. (Bethany College), M.S., Ph.D. (University of Wyoming)
Instructor Emeritus, Business Information Systems 2007

Gail D. Zimmerman (1965)
B.S. (Nebraska State University), M.A. (Montana State University), Ph.D. (University of Wyoming)
Instructor Emeritus, Biology 1988

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