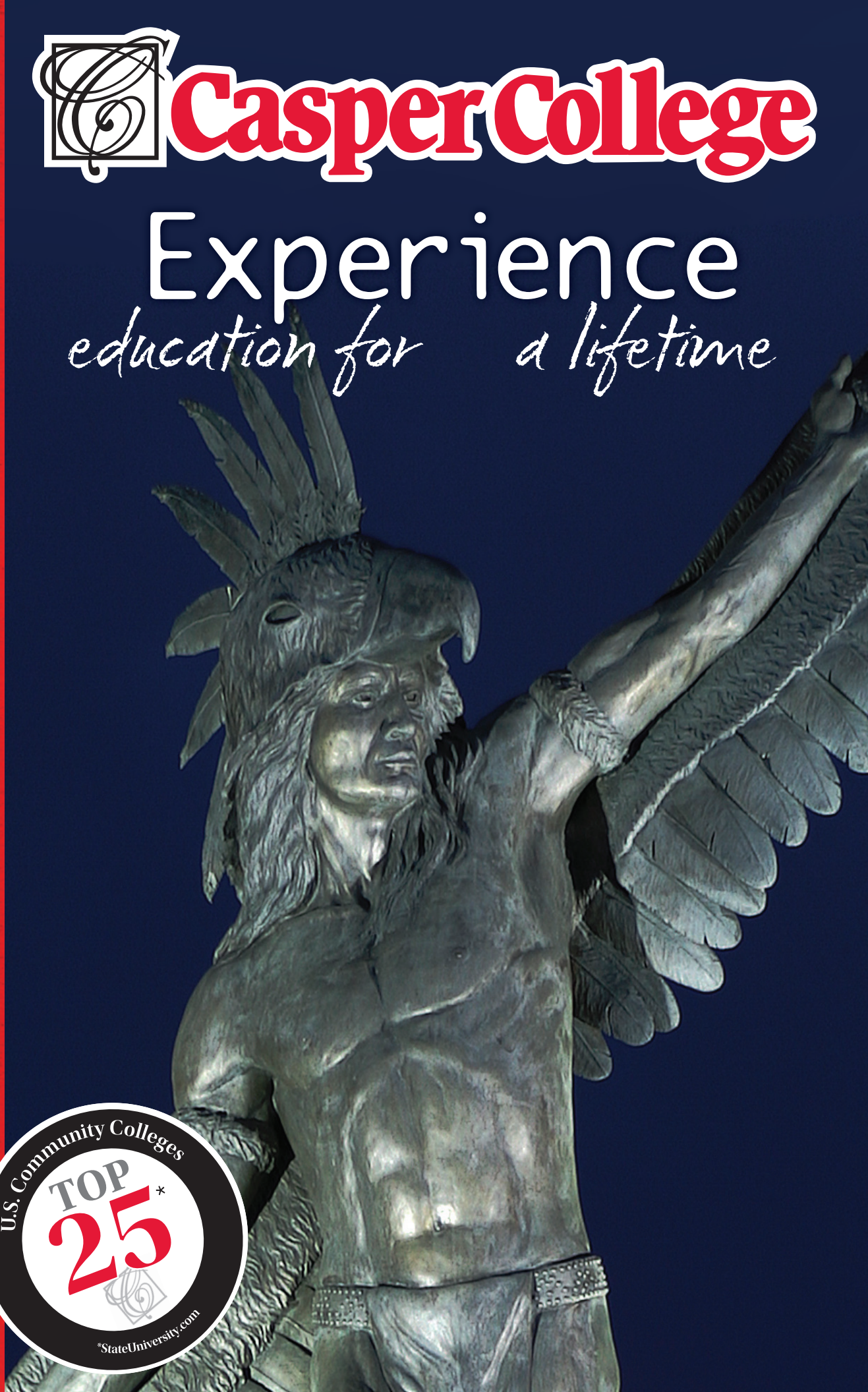
Casper College

Experience

education for a lifetime



U.S. Community Colleges
TOP 25*
*StateUniversity.com

CATALOG 2012-13

Casper College

125 College Drive
Casper WY 82601
800-442-2963
www.caspercollege.edu

2012-13

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August 2012

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Important Dates

Fall 2012

Classes begin	August 20
Deadline for late registration	August 24
Labor Day holiday	September 3
Midterm exams	October 8-12
Fall break	October 15-16
Withdrawal deadline	October 26
Advising day	November 16
Thanksgiving break	November 21-23
Application for graduation deadline	December 1
Final exams	December 10-13

Spring 2013

Classes begin	January 14
Deadline for late registration	January 18
King Equality Day	January 21
Presidents' Day holiday	February 18
Spring break	March 4-8
Mid-term testing	Mar. 11-15
Spring holiday	Mar. 29
Application for graduation deadline	April 1
Withdrawal deadline	April 12
Advising day	April 19
Final exams	May 6-9
Commencement	May 10

Summer 2013 (tentative)

Memorial Day holiday	May 27
Classes begin (8 wks)	June 3
Independence Day holiday	July 4-5
Withdraw deadline	July 8
Classes end	July 26

February 2013

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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

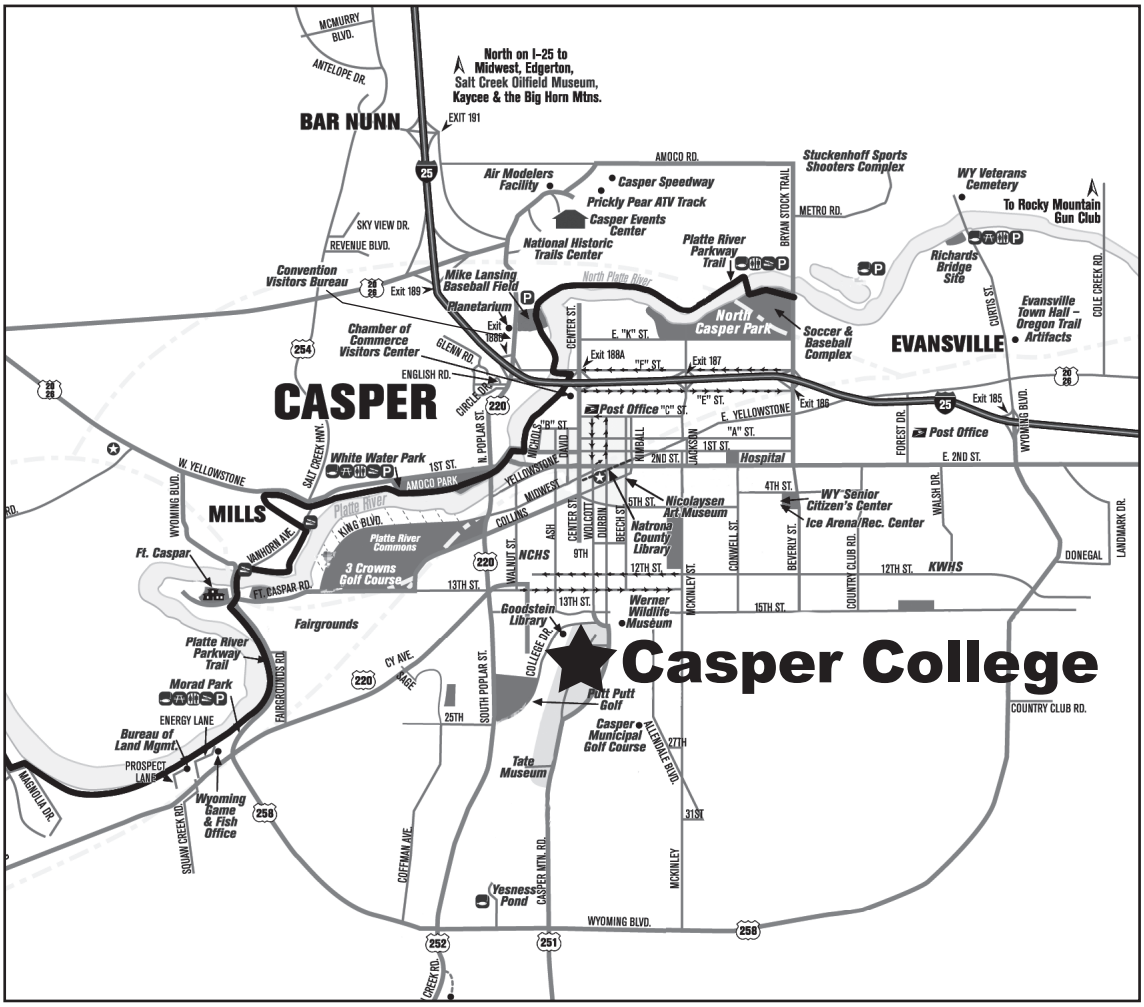
Take Interstate Exit 188B (Poplar Street) and turn right onto Poplar Street. Follow Poplar Street until you reach the College Drive/25th Street intersection. Turn left, follow College Drive until you see the Casper College sign, turn right.

From West

Follow Highway 20/26 through Mills until you get to the Poplar intersection, turn right. Follow Poplar 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

Campus Map

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

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

Map Legend

BU Thorson Institute of Business
CA Civic Apartments
CE Strausner Student Center
CS McMurry Career Studies Bldg.
DL Doornbos Livestock Facility
EC Thorson Early Childhood Ctr.
EI Skelton Energy Institute
FA Aley Fine Arts Center
FC Fitness/Wellness Center
GW Gateway Building
HS Saunders Health Science Ctr.
KT Krampert Theatre
LH Liesinger Hall
LI Goodstein Foundation Library
LS Loftin Life Science Center
MA Maintenance Building
NA Sharon Nichols Auditorium
PS Wold Physical Science Center
RC Roberts Commons Cafeteria
RH Residence Hall
SF Storage Facility
TA Thorson Apartments
TB Erickson Thunderbird Gym
TM Tate Geological Museum
VA Goodstein Visual Arts Center
WA Werner Agriculture Pavilion
WH Wheeler Terrace Apartments
WM Werner Wildlife Museum
WT Werner Technical Center

Upcoming:
MU Music Building
UU Student Center and UW/CC

Accrediting agencies and national standards boards associated with Casper College

The Higher Learning Commission of the North Central Association of Colleges and Schools (2009)

www.ncahlc.org
312-263-0456

Joint Review Committee on Education in Radiologic Technology (2007)

20 N. Wacker Dr., Suite 2850
Chicago, IL 60606-2901
312-704-5300

National Association of Schools of Music (2009)

11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700

National Association of Schools of Theatre (2010)

11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700

National Association of Schools of Art and Design (2009)

11250 Roger Bacon Dr., Suite 21
Reston, VA 22090
703-437-0700

National League for Nursing Accrediting Commission (NLNAC) (2011)

2243 Peachtree Road NE, Suite 500
Atlanta, GA 30326
404-975-5000

The National Association for the Education of Young Children (2008)

1509 16th Street, N.W.,
Washington, DC 20036-1426
www.naeyc.org

Association of Collegiate Business Schools and Programs (2010)

11520 West 119th Street
Overland Park, KS 66213
913-339-9356

Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) (2002)

4720 Montgomery Lane, P.O. Box 31220
Bethesda, MD 20824-1220
301-652-AOTA

Commission on Accreditation for Respiratory Care (www.coarc.com) (2009)

1248 Harwood Road
Bedford, TX 76021-4244
817-283-2835

Wyoming State Board of Nursing (2003)

2020 Carey Ave., Suite 110
Cheyenne, WY 82002
307-777-7601

American Bar Association (2008)

750 North Lake Shore Dr.
Chicago, IL 60611
312-988-5617

American Society of Health-System Pharmacists (ASHP) (2005)

7272 Wisconsin Avenue
Bethesda, MD 20814
301-657-3000

National Accrediting Agency for Clinical Laboratory Science (2007)

5600 N. River Road, Suite 720
Rosemont, IL 60018
773-714-8880

ProLiteracy (2009)

1320 Jamesville Avenue
Syracuse, NY 13210

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

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, color, national origin, sex, age or disability in admission or access to or treatment or employment in its educational programs or activities. Inquiries concerning Title VI, Title IX, Section 504, may be referred to Casper College, Office of Civil Rights Coordinator, 125 College Drive, Casper, WY 82601, 307-268-2634 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.

Casper College

VISION

Education for a Lifetime

MISSION

With a mission of student success, Casper College provides educational opportunities to improve quality of life and sustainable community building and citizenship. The college is a premier public comprehensive two-year institution that provides academic transfer, vocational, continuing education and basic skills education for the citizens of Casper, Natrona County, the State of Wyoming and the World.

VALUES

In pursuing our Vision and in support of our Mission, Casper College holds the following as the core values guiding our activities:

- *Promote personal, professional and academic growth of the entire college community*
- *Provide open access and affordability*
- *Enhance a culture of trust, respect, and open communication among all participants*
- *Encourage diversity of thought, culture and experience*
- *Plan for the future in a context that reflects flexibility, innovation, tradition and sustainability*
- *Provide service to community*
- *Embrace accountability and responsibility*
- *Foster and maintain an enriching campus environment*
- *Celebrate and reward excellence*

GOALS

Casper College will promote Education for a Lifetime by:

- Increasing transferability of coursework and applicability of skills
- Improving retention, graduation, and student success rates
- Enhancing the use of current pedagogies and technologies
- Encouraging excellence in advising and support services for students
- Recruiting, retaining and developing highly qualified faculty, staff, and administrative employees
- Advancing intellectual maturity, vocational proficiency and cultural appreciation through remedial, general and technical education credit and noncredit courses and programs as needed
- Strengthening the college's ability to meet the current and future needs of the community and state through curricula, program offerings and partnerships
- Increasing diversity within student, faculty and staff populations
- Maintaining a safe environment for all who study, work and visit Casper College
- 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

Wyoming Community College Commission

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

District Board and President

The government of the Casper Community College District is entrusted by Wyoming law to a corporate body entitled the Casper College District Board. The College District Board, or Board of Trustees, is composed of seven members, elected for terms of four years. The district board has full powers of organization and government at Casper College.

The Board of Trustees meets the third Tuesday of each month at 7 p.m. in room 312 of the Gateway Building. All meetings are open to the public. Board meeting minutes are available at www.caspercollege.edu/administration/board_01.html.

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

Casper College Foundation

The Casper College Foundation was established in 1962 for the purpose of advancing and assisting in the development, growth and operation of Casper College. Outstanding support has been provided to Casper College in the form of facilities, scholarships and equipment.

The foundation welcomes donations of funds and properties and is approved as a qualified tax-exempt corporation for federal income tax purposes.

The Foundation Office is located in Room 306 of the Gateway Building at Casper College, 125 College Drive, Casper, WY 82601.

Casper College Alumni Association

The Casper College Alumni Association was officially chartered in 1989 with the purpose of promoting community awareness and appreciation for Casper College.

The association, which is 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 also 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 to their chosen fields or communities and is presented at the annual alumni banquet in the fall.

The alumni office is located in room 306D of the Gateway Building and serves as the alumni information center and provides support to the Casper College Alumni Association Board of Directors. For more information about the alumni association call 268-2218.

Transfer of Credits

Students who wish to transfer credits earned at Casper College to four-year colleges and universities will generally have no difficulty doing so provided that they have satisfactory grades (grades of C or better) and proper course selection. Casper College courses should be selected in accordance with the specific requirements of the schools to which a student plans to transfer. For optimum transfer, students should plan to earn an Associate degree that is designed for transfer.

Each college or university prescribes its own standards, but generally a student in good standing at one accredited institution can transfer to another without difficulty. 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. (See page 6.)

Students who plan to transfer are strongly urged to consult with their transfer institution and work closely with their academic advisors on course selection. Professionals in the Student Success Center, located on the third floor of the Gateway Building, are also good resources for transfer information.

Enrollment

In the fall semester 2011, the enrollment was 4,426, including 2,084 full-time and 2,342 part-time students.

The student population came from all Wyoming counties, 36 other states, and 20 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, www.caspercollege.edu, and click on the desired program for specific information.

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

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 2006 semester and for whom 150 percent of the normal time-to-completion has elapsed.

During the Fall 2008 semester, 657 first-time, full-time certificate or degree-seeking undergraduate students entered Casper College. After three years, as of August 31, 2011, 33 percent of these students had completed their programs of study at Casper College. An additional 20 percent of this cohort group transferred to four-year institutions prior to completing their respective programs of study. Questions related to this report should be sent to the Director of Institutional Research, 307-268-2211.

GENERAL POLICIES

Family Educational Rights and Privacy Act, Title IV, Public Law 90-247, as amended, Section 438

(a) Under this act, Casper College will provide the student access to official records directly related to the student, and the student will be given opportunity for a hearing to challenge personal records on the grounds that they are inaccurate, misleading, or otherwise inappropriate. The registrar will accept petitions of challenge as outlined in this act. Grades may be challenged under this policy only on the basis of the accuracy of their transcription.

(b) Casper College will attempt to obtain the written consent of the student before releasing personally identifiable data about the student from the records to other than legally allowed exceptions.

(c) The student is hereby notified of these rights and will be notified annually through the Student Handbook.

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 be in compliance with Title IX.

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

Casper College students with an ADA and/or Section 504 qualified disabling condition may not be excluded from any course or course of study because of their disability. Students seeking accommodative services under the provisions of ADA or Section 504 must meet with the disability services counselor, located in the Student Success Center, Room 342 of the Gateway Building, prior to the implementation of expected services. Some services may require more than 72 hours lead time to be put into effect. Written documentation is required in order to be qualified for accommodative services.

Policy on Sexual Harassment

These policies and procedures may be subject to change by action of the district board, the central administration where authorized, and legislative and congressional action. Discrimination based on race, color, religion, gender, age, handicap, national origin or veteran status shall not exist in the college's treatment of employees and students according to college policy, which includes a commitment to maintain an environment free from harassment based on gender. There are established procedures for review which are available from the Affirmative Action Officer, Room 402 of the Gateway Building.

Casper College reaffirms the principle that its students, faculty and staff have a right to be free from sex discrimination in the form of sexual harassment by any member of the college community.

Sexual harassment is defined as any attempt to coerce an unwilling person into a sexual relationship; to subject a person to unwanted sexual attention; to punish a refusal to comply; to create a sexually intimidating, hostile or offensive working or education environment. Sexual harassment is understood to include a wide range of behaviors, from actually coercing sexual relations to unwelcome emphasis on sexual identity. This definition will be interpreted and applied consistently with accepted standards of mature behavior, academic freedom and freedom of expression.

Sexual harassment in any situation is reprehensible; it is particularly damaging when it exploits the educational dependence and trust between students and faculty. When the authority and power which are inherent in the relationship between a faculty member and their students are abused, (whether overtly, implicitly or through misinterpretation), there is a potential for great damage to individual students, to the person about whom the complaint is made, and to the educational climate of the college. Thus, it is important for faculty members and other individuals in positions of authority to be sensitive to the questions about mutuality of consent that may be raised, and to the conflicts of interest that are inherent in personal relationships where professional and educational relationships are also involved.

Individuals who believe they have been sexually harassed may obtain redress through the established informal and formal procedures of the college. Complaints about sexual harassment will be responded to promptly and equitably. The right to confidentiality of all members of the college community will be respected in both informal and formal procedures, insofar as possible. College policy explicitly prohibits retaliation against individuals for bringing complaints of sexual harassment. An individual found responsible for sexual harassment is subject to disciplinary action for violations of college policy, consistent with existing procedures.

Individuals seeking redress or information concerning sexual harassment should use the following resources:

- The Director of Human Resources, Gateway Building, 4th Floor, has institutional responsibility for monitoring compliance with Title VII and Title IX.
- Any individual who feels that a sexual harassment complaint did not receive prompt and equitable response should contact the office of the President.
- The Denver Regional Office of the Department of Education or the Equal Employment Opportunity Commission Office in Denver are also available to address issues of sexual harassment.

Student Classification

Casper College students are classified according to their educational objectives and college credits earned.

Degree Seeking: those students in programs leading to an associate degree, a certificate of completion, or transfer to another college or university. Students are further classified as freshman (a student who has earned a total of fewer than 30 semester hours of degree credit) or sophomore (a student who has earned a total of 30 or more semester hours of degree credit).

Nondegree Seeking: those students who at the time they register have no degree or certificate objective. A student may change this status for a subsequent term by completing requirements for admission. Nondegree seeking students are NOT eligible for most forms of student financial assistance.

In each semester students are categorized according to semester credit hour load.

Full-time: registered for 12 or more semester hours (six in summer term),

Part-time: registered for fewer than 12 semester hours (fewer than six in summer term).

Only degree-seeking, full-time students are eligible to:

hold student senate executive offices;

be included on the President's Honor Roll.

Admission Requirements: degree-seeking student

Casper College may admit as a degree-seeking student:

A. A graduate of an accredited Wyoming high school;

B. A graduate of an accredited high school outside the State of Wyoming who has attained a C (2.0) average or better high school grade point average;

C. A student transferring from another accredited college who presents an official transcript from all colleges attended and who has attained a C (2.0) or better grade point average from the college last attended;

D. A nonhigh school graduate who presents a copy of a high school equivalency diploma as evidenced by the successful completion of the General Education Development (GED) tests or an accredited home school program recognized by the State Department of Education in which the program is registered as being equivalent to the high school diploma;

E. A student, 16 years of age or older, who has completed a nonaccredited high school program and who provides COMPASS or ACT test scores that have been taken within the previous 12 month period and that are at or above the following levels: ACT scores of 13 or better on the English portion and 13 or better on the Math portion and a composite score of 13; COMPASS scores of 44 or better on the pre-algebra/numerical skills portion and 63 or better on the reading portion and 39 or better on the writing portion.

Admission process: degree-seeking students

The applicant must provide the Enrollment Services office, at least one week prior to arena registration, with:

A) a complete application for admission;

B) an official transcript of the student's high school record with the date of graduation or GED;

C) (transfer students) a transcript of records from all colleges attended

Notes:

1) A transfer student who has not earned an associate or bachelor's degree is required to furnish a high school transcript in addition to transcripts from all colleges attended.

2) It is required that all applicants have an American College Test Assessment or COMPASS score, which has been taken within one year of registration, on file prior to registration. The results from these assessments are used in advisement and required for course placement in English and math. Students seeking admission into the nursing program are required to have ACT or COMPASS scores on file. Transfer students who have already completed English and/or math requirements for their degree may not be required to have these scores on file. Check with the Enrollment Services office.

Admission Requirements: nondegree-seeking student

Casper College may admit as a nondegree-seeking student:

A. A high school junior or senior* who possesses the ability to complete college work satisfactorily and has permission of the high school to enroll in college course work [* exceptions may be granted for those registered in one of the Accelerated College Education (ACE) courses articulated with the Natrona County School District (NCSD) so long as the course is offered through a college department that specifically allows such exceptions with their articulation agreement];

B. Any person 16 years of age or older who has no immediate degree or certificate objective.

International Student Admission

Steps to Casper College Admission:

A. Fill out and complete (submit) the application for admission and campus housing. The applications may be obtained from our website at www.caspercollege.edu.

B. Submit TOEFL scores: a minimum of 500, paper based, 61 Internet Based (IBT) or 173 Computer based is required.

C. Submit test placement scores – ACT, SAT or COMPASS

D. Submit transcripts (translated if not in English) verifying the equivalent of a high school diploma or leaving certificate and all college transcripts if you have attended college elsewhere.

E. Submit documentation of immunization – Measles, Mumps & Rubella vaccinations

F. Complete the financial statement and have your bank official verify the information.

G. Complete and submit the International Student Insurance application.

H. Submit deposit of: tuition and fees-$2916; room & board-$2765; damage deposit-$200; insurance-$872; total of $6553. If for some reason you do not attend Casper College, the deposit will be refunded, or if students choose to live off-campus, the housing deposit will be refunded upon arrival. These are approximate amounts and may vary slightly.

I. After Casper College receives all of the above documents, deposits, etc., and the application file is complete, you will be issued an acceptance letter and Casper College will issue you a Form I-20. This will give you F-1 student status. Once you receive the Form I-20, you can make the embassy appointment for your visa interview.

J. Once you arrive in the US and come to Casper, Wyoming, you will be expected to check in at the Enrollment Services office to meet with the International Student Advisor to collect your documents, register for classes, take your photo for a student ID and receive information about International Student Orientation.

MMR Immunization

In accordance with the recommendations of the American Academy of Pediatrics and the United States Public Health Service, Casper College requires proof of immunization with MMR prior to registration of six hours or more of credit or employment. Persons born in 1957 or later must show proof of immunization after 15 months of age. Persons born prior to 1957 are considered to be immune.

Acceptable proof of immunization: 1) a signed physician statement, on office letterhead, verifying that the student has a history of having been diagnosed with all **THREE** of the diseases; 2) an official, signed statement documenting laboratory evidence of immunity for all **THREE** diseases; 3) immunization record showing MMR was given at 15 months of age or later; 4) birth date prior to 1957.

Contraindications to immunization are anaphylactic reaction to egg or neomycin, pregnancy and altered immune status.

Exemptions may be granted on medical or religious grounds. A medical practitioner's statement of medical contraindications (i.e., anaphylactic reaction to eggs or neomycin, pregnancy and altered immune status) to immunization will be submitted to and maintained by the Student Health Office. A religious exemption from the MMR, based on a signed statement of conflicts with truly held and genuine religious tenets and religious practices, will be submitted to and maintained by the Student Health. Should a MMR vaccine preventable disease outbreak occur on campus anyone with exemption status will be excluded from campus during the course of the outbreak. An MMR immunization can be obtained at the public health service, through a private physician or at the student health service, but must be validated prior to registration. Any fees for immunizations are the students' responsibility at the time of service.

Any exemption from the MMR immunization is only applicable to admission 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 following regulations govern the classification of students as resident or nonresident for the purpose of fee assessment at Casper College and conform to the Wyoming Community College Commission policy which governs the state's seven community colleges.

A: This residence policy shall be published in catalogs of the college districts:
1. A student previously classified as a nonresident may be reclassified any time prior to the end of the published refund period of any term if he/she qualifies.
2. A student who is classified as a resident by one Wyoming community college will be considered a resident at all Wyoming community colleges.

B: Classification procedures:
1. Residence classification shall be made for each student at the time the application for admission is accepted and whenever a student has not been in attendance for more than one semester.
2. Only individuals or their legal dependents, who are U.S. citizens or in an emigrant status, may qualify for residency.
3. Community college districts may require applicants to supply information to document residency status.

C: Residence -- Any of the following may be used by a student and would result in an individual being classified or reclassified as a Wyoming resident for tuition purposes:
1. A graduate of a Wyoming high school or GED who enrolls in a community college within 12 months of high school graduation.
2. An individual who can provide written verification that he/she has lived in Wyoming continuously for one year prior to enrolling. Time spent residing in on-campus housing does not apply to this criteria.
3. A legal dependent under the age of 24, or spouse of a resident of the State of Wyoming who qualifies as a resident based upon this policy.
4. A legal dependent under the age of 24 of a Wyoming community college graduate.
5. A student who marries a Wyoming resident shall be granted resident classification at the beginning of the next term following the marriage.
6. An individual on active duty in Wyoming with the United States Armed Forces, Wyoming National Guard or Reserves and his/her legal dependents.
7. An individual who can provide written verification from an employer that he/she will be employed full-time for an anticipated period of not less than seven months, and such employment is the principle means of support. The written verification must be on company stationery, signed by the owner, manager or human resources department head, indicate the date, identify the employment start date, the employee's status (full-time, part-time), and state that it is expected that the employment will be continuous for no less than seven months.
8. Persons temporarily absent from the state due to military service, attendance at educational institutions, or other types of documented temporary absences, will not have their resident status voided by such absence.

D: Exceptions -- In accordance with W.S. 21-17-105, an individual who does not reside in Wyoming may be considered a resident for tuition purposes if he/she meets all of the following criteria:
1. Has been employed in Wyoming for at least seven months, and such employment is the applicant's principal means of support;
2. Pays Wyoming property taxes;
3. Resides in a state with a similar law;
4. Is willing to submit an affidavit to the above.

Any questions should be directed to the Enrollment Services office, 307 268-2111.

Payment Plans and Deadlines

Charges for tuition and fees for a semester are due and payable at the time of registration; full payment must be received 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 www.caspercollege.edu/1stop.

Student Responsibility: Upon registering for class, students become liable for incurred charges, for knowing the correct tuition and fees owed, for verifying the status and balance of their account, and for payment of all charges in the Accounting and Financial Management (AFM) office prior to payment deadlines.

Students whose "home" institution is the University of Wyoming or any of Casper College's university partnerships, and who are concurrently 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 withdrawal. Students must notify the registrar if they will not attend a semester at Casper College for which they are registered. Failure to pay tuition and fees does not constitute withdrawal. Students are responsible for charges incurred to the date of formal withdrawal according to the refund schedule.

If a student's federal financial aid or any other source of funding, including financial aid issued by another institution, trust fund distribution, payment by employer or other parties, will not be available prior to a payment deadline, it is the student's responsibility to contact the AFM Office prior to the deadline to make payment arrangements. A student should verify that all expected Financial Aid has been credited to their account prior to due dates to avoid extension/late payment fee charges. **Note:** Casper College tuition will not be deducted from financial aid issued by another institution. Failure to make payment or arrangements will result in the assessment of 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 the Enrollment Services office. If a student does not receive a statement of account, it is the student's responsibility to contact the AFM office to request a statement and to make payment by the payment deadline. Account information can be viewed online through Web Advisor, accessible at www.caspercollege.edu/1stop. A Casper College username and password are required.

Failure to make payment by a published due date will result in the assessment of extension and 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 or by mail, with receipt at Casper College prior to the deadline, or online through WebAdvisor, accessible at www.caspercollege.edu/1stop. A Casper College username and password are required. Tuition payments may also be made in person during regular office hours, or left in the after hours drop box located in the Gateway Building, outside of the AFM Office. To avoid additional charges, students should verify that Casper College has received the payment made by mail or left in the after hours drop box.

An 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 in the AFM office prior to the payment deadline to avoid the assessment of extension/late payment fees to the student's account. Casper College will bill the third party according to the terms of the authorization with payment 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 each fall and spring semester. A two payment plan is available for the Summer semester. The Payment Plan Agreements are available through the Casper College website and the AFM office. Refer to www.caspercollege.edu/1stop or contact the AFM office for details.

When payment of an account balance or payment on a payment plan is past due, a "hold" is placed on the student's records. Any account with an outstanding balance, regardless of arrangements, will have a "hold" placed on the student's records prior to early registration. This will prevent any new registrations, issuance of academic transcripts, etc. A "hold" will not be released unless payment in full is made with collected funds (cash, cashier's check or money order). If paid with a personal check, a delay of two weeks from the date of deposit will be required prior to the "hold" being released. A student who incurs a debt to Casper College during a semester, after registering for a subsequent semester, will have a hold placed on his/her records. If that debt is not paid by the due date on the billing statement for that debt, the subsequent semester's registration will be deleted.

An account that has not met payment requirements may be referred for collection at any time. Collection costs may be added to the outstanding balance when an account is referred for collection. Accounts may also be assessed any court costs and attorney's fees incurred as a result of collection efforts. There will be no adjustments to or petition consideration given on an outstanding balance after the account has been referred for collection. Once an account is turned over for collection, all payments must be made to the collection center.

Referral for collection will adversely affect a student's credit at Casper College. That means in the future a student will be required to prepay tuition before registering for courses and will not be permitted to utilize the payment plan.

Refunds

A. Tuition and Fees

Refer to current semester credit class schedule or to www.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 in the current semester class schedule or www.caspercollege.edu/1stop. For courses that meet for less than a full semester, the number of days in each refund period of the standard full semester refund policy is proportionately applied to the length of a less than full semester course to determine the length of time for the 100 percent, 75 percent and 50 percent refund periods. Check with the AFM office for the refund percentage that will apply on the day the less than full semester course ids dropped. See "Complete Withdrawals" for required procedures and definitions of official withdrawal date.

Refunds will be calculated following the end of the refund period and refund checks will be mailed to the student by the AFM office. If payment was made by credit card, credit will be issued to the credit card account.

For exceptions to the refund policy, students should submit a petition to the Vice President for Student Services. Petition forms are available in the Gateway Building, third floor, or call 307-268-2201 or visit www.caspercollege.edu/1stop/forms.

B. Room Refund

Room charges are not refunded after August 13, 2012 for the fall semester and after January 7, 2013 for the spring semester unless a student withdraws entirely from Casper College. Students that withdraw entirely will be refunded at 75 percent during the first two weeks of the semester; at 50 percent for the third week; and at 25 percent the fourth week. No refunds will be made after the 25 percent deadline. Students wishing to move off campus while continuing enrollment as a Casper College student will be held accountable for the entire room charge, as well as forfeiture of the $200 deposit.

C. Board Contracts

A refund of 100 percent of the unused portion of the board contract will be made up to 30 days prior to the end of the semester.

D. Refunds for Students with Grant, Loan or Scholarship Funds

A student who receives grant, loan or scholarship funds but attends no classes must repay the full amount of such awards. A student who receives such funds and attends classes but withdraws from school 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.

Miscellaneous Fees

Studio Music
(private lessons, per credit hour) $90

Fitness Center Courses
(per credit hour) $30

Other
(as detailed in the appropriate term class schedule)

Continuing Education and Community Service Courses (fees vary)

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

Student Identification Cards

Student photo identification cards are issued to any student enrolled in a Casper College or affiliated institution credit course who pays the college's mandatory student fees. If an identification card is lost, there is a $5 charge for replacement. A valid photo identification card is required for admittance to college-sponsored activities, library services and for verification of student status, as required by a college official in performance of his/her duties. Student ID cards are available in the Enrollment Services Center, located on the third floor of the Gateway Building.

Books and Supplies

Textbooks and required special course supplies are available for purchase at the Follett Bookstore located in the Strausner Student Center. Costs will vary with the courses being taken.

WICHE and WUE

Casper College participates in the Western Undergraduate Exchange (WUE), a program of the 13 states Western Interstate Commission for Higher Education (WICHE). 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). WUE information may be obtained through the Enrollment Services office, located on the third floor of the Gateway Building.

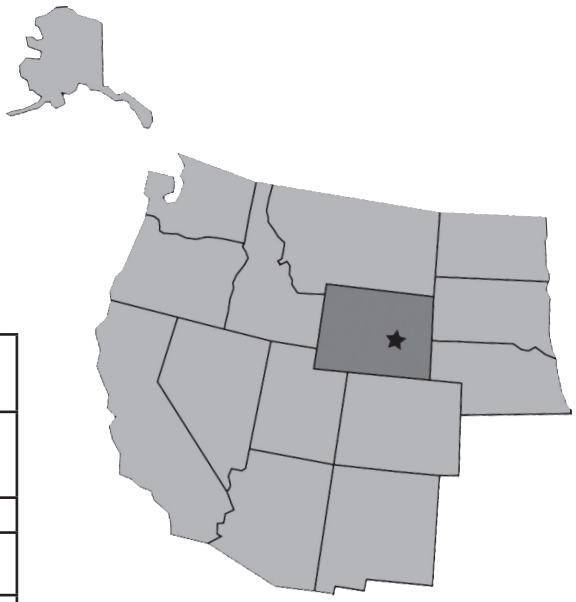
• Nebraska residents are eligible to enroll in Casper College programs at WUE rates.

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 & Fees (2012-13)

	Full-time/Semester*	Per Credit Hour*
Wyoming Residents	$1116	$93
Out-of-State	$2916	$243
WUE	$1560	$130

* All amounts include an $18 per credit hour fee for publications, athletics, student government, student health, etc. The maximum fee assessed per semester is $216 (12 cr hrs x $18)



Room and Board (2012-13)
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	DBL w/private bath* Occupancy/10 Meals Per Week
ROOM	$1500	$1500	$1500	$1500
BOARD	$1265	$1265 +$60 Bonus Bucks	$1130 +$80 Bonus Bucks	$1085 (no bonus bucks)
*FOR SGL OCCUPANCY ROOM ADD $825 PER SEMESTER				
5 meal plan - 5 meals per week: Commuter Plan for Nonresidence hall students $550 per semester				

Degree-seeking Students

A new student who has completed the requirements for admission (see "Admission Policies") will receive a letter of acceptance. That letter will provide information regarding the registration schedule and instructions for scheduling an appointment to register.

During the latter part of each semester, 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 continues through the last Friday before the starting day of each semester. Late registration is available only during the first week of each semester.

Nondegree-seeking Students

Nondegree-seeking students (those who are not working toward an immediate degree or certificate) are not required to fill out a full application for admission and submit required transcripts. These students are not eligible to receive most forms of student financial aid nor are they assigned academic advisors, but may use student services staff for assistance. Students classified as "nondegree" may register and make subsequent course changes via WebAdvisor, U.S. mail, or in person in the Enrollment Services office.

Course Load

The student's course load is measured in credit hours enrolled in each semester. A student enrolled for 12 or more credit hours is considered full-time, although 16 credit hours is the average course load required to complete an associate degree in the normal two-year program. Students are encouraged to take as full a course load as is compatible with their objectives, capabilities, and responsibilities.

The recommended maximum course load is 19 credit hours in any semester. Special approval is required to exceed this level and is granted only in special circumstances to students with good academic records.

Auditing Courses

A student who wishes to enroll in a course only for informational purposes may audit the course. The auditing privilege carries full rights of class participation, but it offers no academic credit and no grade. Auditors are expected to attend class regularly. If the student satisfactorily completes the audit requirements established by the course instructor, an "audit" notation is entered on the student's permanent record. If the student does not satisfactorily complete those requirements, a "W" may be recorded.

Full tuition is charged for an audit.

A change from credit to audit in any course may be made at any time up to the deadline for withdrawal from that course with official permission from the instructor. Students wishing to change from audit to credit in any course must have written permission from the course instructor.

Schedule Changes

A student is officially registered for a course and can earn credit for that course only if the student's name appears on the instructor's class roster.

Additional charges may result from schedule changes or a balance due remaining after a drop or complete withdrawal. Students are advised to contact the Accounting and Financial Management Office to verify the effects of a schedule change (drop or add) or a complete withdrawal. Payment for additional charges or remaining balance is due promptly and delay may result in additional fees assessed to the student's account.

Schedule Changes in Full Semester Courses

1. A full semester course may be added, or dropped without record during the first 10 days of the semester, by presenting a properly executed change form to the Enrollment Services office.

2. A student may withdraw from a full semester course (regardless of the grade in the course at the time of withdrawal) by presenting a properly executed change form to the Enrollment Services office until the end of the fourth calendar week after the completion of mid-term examinations. See the Casper College calendar for exact deadlines.

Schedule Changes in Less Than Full Semester Courses

1. A change form must be presented to the Enrollment Services office requesting addition of a course before one-tenth of the instructional days in that course has elapsed.

2. The final date for withdrawal from a course is one calendar week after the middle of the course. The instructor will set and announce the actual deadline date.

Complete Withdrawals

A student may withdraw from college with grades of "W" in all courses (regardless of the grades in the courses at the time of withdrawal) until the end of the two calendar weeks after the completion of mid-term examinations. See the Casper College calendar for exact deadlines.

Note: Should the student's schedule include a less-than-full semester course, a "W" will be recorded for such a course only if the withdrawal occurs prior to the end of the first calendar week after the middle of that course.

The procedure which must be followed to withdraw from school is as follows:

1. Obtain and complete a complete withdrawal form from the Enrollment Services office.

2. Obtain clearances from the Student Financial Assistance and the Accounting and Financial Management offices.

3. Submit the completed withdrawal form to the Enrollment Services office. The official date of a complete withdrawal is the date on which the withdrawal form is accepted by the Enrollment Services office.

4. After the official withdrawal deadline, permission of the advisor and the instructor for each class is required – in addition to the above detailed requirements.

5. A complete withdrawal cannot be done online.

Faculty Initiated Withdrawal Procedure

Faculty may request that the registrar officially withdraw a student from a specific class for nonattendance after that student has failed to attend scheduled class sessions for two consecutive weeks. An instructor may initiate this process anytime after the fourth week of the fall or spring semesters (or the second week of the summer term) and before the official institution last withdraw deadline date the student would have been allowed to withdraw from the class.

After receiving a request for faculty initiated withdrawal (FIW), the registrar will notify the affected student that the instructor has requested that the student be withdrawn from the class in question. The student may elect not to be withdrawn from the class in question by responding to the registrar in person or in writing within 10 calendar days. If the student does not respond within the required time, a grade of "W" will be awarded for the class.

Class Attendance

Students are expected to attend all classes for which they are registered and are accountable for all class work during an absence. Nonattendance at a required class, laboratory, rehearsal, or field trip constitutes an absence. Excessive absences or tardiness may result in a lowered grade; and, at the discretion of the college administration, a student who fails to attend regularly may be asked to withdraw from college.

When an instructor believes that absences are affecting a student's work, the Vice President of Student Services is notified.

If a student cannot attend a class for two or more class meetings, the student should contact the Vice President of Student Services to explain the circumstances. The Vice President of Student Services will notify all instructors concerned. When field trips, athletic trips, and other trips occur, the faculty sponsor or coach provides the Vice President of Student Services a list of the participants at least three days before the group's scheduled departure from the campus so that all instructors concerned may be notified. In all cases, the authority to excuse absences rests with the instructors concerned.

Nonattendance does not constitute withdrawal from courses. Students will be responsible for charges incurred because of failure to properly drop or withdraw from courses.

Grading System

Unit of Credit

Normally, one semester hour represents attendance in one of the following:

1. One 50-minute period each week for one semester in a lecture recitation-type class.

2. Two to four periods each week for one semester in a laboratory or activity class.

3. A minimum of 80 hours of on-the-job training with college supervision.

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
W — withdrawn	0 points
S — satisfactory	0 points
U — unsatisfactory	0 points
X — in progress	0 points
Audit	0 points

Incomplete

The “I” notation is used only when the student, for reasons beyond the student’s control, is unable to finish the work of the course, and in such instances only when the student would otherwise have had a passing grade. A student who has received an incomplete must arrange with the instructor for completion. The course must be completed by a date mutually agreed on by the instructor and the student, but no later than the end of the succeeding full semester (summer term excluded) unless an extension of time has been approved. If the course is not completed by this date, the “I” will be changed to an “F” grade.

Satisfactory

The “S” grade is not assigned quality points, but credits earned with an “S” grade may count toward degree requirements, satisfactory progress requirements, and athletic or activity eligibility requirements.

The “S/U option,” whereby the student may elect to receive S/U grades rather than regular letter grades, is available in certain courses. Those courses are selected by the department offering the course, and are identified as “S/U option” courses in the catalog course description.

The student must formally elect this option at registration or at any time up to the deadline for withdrawal from the course, with official permission from the instructor.

In Progress

The "X" notation is used in open-ended courses in which the student starts late in the term without time to complete the course by the end of the term. It is also used in nonstructured courses in which the students are allowed to progress at their own rate and are not, therefore, required to finish the course by the end of the semester. It is not considered a grade as such, but an indicator of work in progress and therefore is not included in the semester summary of grade points or hours completed. It does, however, remain on the student's permanent record, and the credit hours involved may be used in determining satisfactory progress and athletic or activity eligibility.

Grade Averages (GPA)

A student's semester grade point average (GPA) is calculated by dividing the number of grade points earned by the number of semester hours attempted that semester. The cumulative grade point average is calculated by dividing the total number of grade points earned at Casper College by the total number of semester hours attempted at Casper College. In either case, the number of semester hours attempted does not include the semester hours audited, or the semester hours for courses in which I, W, S, U, or X were assigned.

Repeated Courses

A student who wishes to do so may repeat any course. If a Casper College course is repeated, the credit, semester hours attempted, and grade points earned for the prior enrollment in that course will be excluded in determining the cumulative grade point average, regardless of the number of repetitions.

Grade Reports

Students receive grade reports twice each semester. Mid-semester reports are issued to indicate academic progress and are not a part of the permanent record. Semester reports are final grades of record. Grades may be viewed by logging into the student's WebAdvisor account.

Transcripts

Requests for transcripts should be submitted in writing to the records office. The complete name and address of the addressee must be included. No transcripts are released until all administrative holds have been satisfied. There is no charge for a reasonable number of transcripts.

Academic Standing

Good Standing and Satisfactory Progress

A student is considered to be in good academic standing if making satisfactory grades. Specifically, good academic standing is defined as follows:

1. New Students. All new students who qualify for admission without reservation (see “Qualifications for Admission”) are considered to be “in good standing.”

2. Continuing Students.
   a. All students who have attended one term at Casper College and have attended no other colleges, and who have attained a 1.5 or better grade point average for that term, shall be "in good standing."
   b. All students who have attended two or more terms of college, the most recent at Casper College, and have attained a 2.0 or better grade point average either for that term or for their cumulative average shall be "in good standing."

"Satisfactory progress" is a term used with federal student financial aid recipients. Please see the specific definition in the Student Financial Assistance section of this catalog.

Academic Probation

The purpose of academic probation is to alert the student to a lack of academic progress. A student will be placed on academic probation in these instances:

1. When admitted, if the student's academic qualifications do not meet the minimum standards for admission (see "Qualifications for Admission").

2. After completing a term at Casper College, if the student does not meet the grade requirements for "in good standing" for continuing students described above.

A student is removed from probation at the completion of a term in which academic performance meets or exceeds the requirements for good standing. A student who fails to achieve good standing after one probationary term is subject to academic suspension.

Academic Suspension

Academic suspension is given if a student fails to achieve "good academic standing" after one semester's probation or for an act of academic dishonesty, such as cheating or plagiarism.

Disciplinary probation and suspension may be imposed in accordance with the Student Conduct and Judicial Code. Financial aid probation and suspension are imposed in accordance with the rules and regulations governing the specific form of aid received.

Academic Forgiveness

Casper College policy regarding "academic forgiveness" is manifested in these practices and procedures:

1. Current term problems. A student experiencing difficulty with any courses has these options: withdrawal, complete or partial (see Schedule Changes), audit (see Auditing Courses), or requesting incomplete or "in progress" reports (see Incomplete and In Progress).

2. Academic standing. Casper College's definition of "good academic standing" bases that status on either term grade point average or cumulative grade point average (see Academic Standing), thus allowing redemption in one term regardless of past record and avoiding penalty for one below par term in an otherwise satisfactory record.

3. Graduation. Casper College's general requirements for graduation permit exclusion of needless and unwanted courses in calculating the grade point average for graduation (see Graduation Requirements).

4. Academic Forgiveness Petition. A degree-seeking student currently attending Casper College could petition the registrar to have an entire block (at least one semester but not more than four semesters) of courses removed from the calculation of grade point average (GPA) and degree credit. The petition will be approved if the student has completed 24 semester hours at a 2.5 GPA in college level courses following the last semester in 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 Conduct and Judicial Code. Disciplinary probation and suspension are defined in the Student Conduct and Judicial Code. Only the president is empowered by the college district board to expel students for disciplinary reasons. However, a judicial hearing body will be responsible for making an expulsion recommendation to the president.

Student Conduct

Students are expected to observe the college's standards for conduct as identified in the Student Conduct and Judicial Code which may be found in the Student Handbook. Students residing in campus housing are also subject to the conduct standards described in the Residence Hall Handbook, the Terms and Conditions for Occupancy, and other published materials pertaining to other campus housing facilities. Students accepted into "limited enrollment programs" may also be responsible for maintaining standards outlined in program handbooks or similar statements.

Students participating, as members of a team or individually, in campus activities and intercollegiate sports programs are further subject to the standards of conduct adopted by the campus team/activity and any regulation prescribed by conference, regional and/or national organizations responsible for the sanctioning of the sport, activity and/or event.

It is the individual student's responsibility to become familiar with any and all of the aforementioned conduct standards; to have knowledge of the policies, procedures and information specified in official college publications; and to provide accurate and updated personal, demographic and educational information to the college.

All of the aforementioned standards for student conduct must support the general standard as outlined by the Board of Trustees:

"The Casper College District Board requires students to show both within and without Casper College such respect for law, order, morality, personal honor and the rights of others as is demanded of responsible citizens. Conduct not meeting these standards may constitute sufficient cause for removal from Casper College."

Student Complaints

Should circumstances arise in which a student believes that she/he has not received fair and equitable treatment from the college and/or its employees, a student grievance procedure is available to address the issue. This procedure is described in the Casper College Policies and Procedures Manual and in the Student Handbook. A student may review the procedure by contacting the Vice President for Student Services. Issues arising as a result of disciplinary actions taken in accordance with recognized campus conduct and judicial standards may not be addressed through this student grievance procedure.

Cheating and Plagiarism

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

Honors and Standings

With respect to inclusion in and/or candidacy for the following listings and groups, the requisite grade point averages will be computed in accordance with the institution's standard grade point average calculation methodology, as described in the Catalog information on the Grading System.

Dean's Honor Roll

Part-time degree-seeking students (taking less than 12 hours) and nondegree-seeking students (taking six or more hours) who maintain a 3.5 grade point average or higher qualify for the dean's honor roll.

President's Honor Roll

The president's honor roll, issued at the end of each regular semester, lists the names of all degree-seeking students with 12 or more hours attempted and with current grade point averages of 3.5 or better.

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 the following qualifications:

The student must:

1. have a Casper College cumulative grade point average of 3.5 or above at the time of initiation;
2. have completed at least 12 credit hours of Casper College coursework;
3. be enrolled in Casper College as, at least, a six (6) credit part-time student in the semester in which he/she becomes eligible for membership and in which they are initiated;
4. be of good moral character;
5. be currently enrolled as a degree-seeking student;
6. have no felony criminal record or abridgment of citizenship rights.

'With Distinction' Graduates

Students receiving associate degrees that have earned a minimum of 32 semester hours (semester hours attempted as defined in "Grade Averages") at Casper College and who have attained a cumulative GPA of 3.8 or better in Casper College coursework are graduated "with distinction."

Transfer Credit

Casper College accepts credit earned in other institutions of higher education if the institution is accredited by a regional accrediting agency.

If a student presents a transcript from an institution of higher education which is not accredited by a regional association, the college accepts credit which is generally accepted by the accrediting authority listed in the "Annual Report on Transfer Credit Practices of Selected Educational Institutions," published by the American Association of Collegiate Registrars and Admission Officers.

Military Service Credit

"The Guide to the Evaluation of Educational Experiences in the Armed Services," published by the American Council of Education (ACE), is used to determine credit for military training and experience.

"The National Guide to Credit Recommendations for Noncollegiate Courses," also published by ACE, 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 in all cases.

Credit for one semester of the physical education requirement for graduation will be granted to a student who presents to the Registrar's office a Report of Discharge (DD Form 214) establishing active duty of 181 days or more, but less than one year and one day. Credit for two semesters of the physical education requirement for graduation will be granted to a student who presents such evidence of active duty of more than one year.

Credit by Examination

General Policy

Each academic department will identify those courses, if any, for which credit may be earned by examination. The challenge examinations in those courses identified may be conducted under either of the following testing programs: departmental examination, CEEB-AP or CLEP programs.

To qualify for a credit by examination option, the student must be registered as a certificate or degree candidate at Casper College during the semester in which credit is to be awarded.

Students may not earn credit by examination in a course if they have earned credit previously in a higher level course in the subject area. A student may not challenge a course to remove a failure or to raise a passing grade already received in the course.

A student may only select one credit by examination option and may only attempt that option once for any specific course for which he is attempting to earn credit. However, credit by examination is recommended as a means to obtain credit for courses previously taken at institutions from which credit is not transferable.

For further information see the Director of Student Success Services or the Student Success Specialist, Gateway Building, Rm. 347 or 339.

Departmental Examination

For department exams, adhere to the following four statements:

1. The student will file an Intent to Challenge a Course form with the Registrar and the appropriate department head which identifies the specific course for which credit by examination is sought, and pay any required fee.

2. Courses may only be challenged during a semester in which they are being taught and must be taken prior to mid-term.

3. The student must arrange for the departmental examination with the appropriate department head.

4. The instructor assigned to the course will report the appropriate 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, 1028, 1035, 1038 (8CR)
Computer Science A	4	COSC 1010 (4CR)
Computer Science A	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)
Physics B	4 or 5	PHYS 1310 (4CR)
Physics C	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 or 5	HIST 1210, 1220 (6CR)

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

College Level Examination Program

Casper College is a testing center for the College Level Examination Program (CLEP) of the College Entrance Examination Board (CEEB). All available tests are administered via computer on campus to interested students.

Whether a student takes general or subject matter examinations or a combination of the two, there is a cost for each test. Call 268-2255 for current costs. There will also be a $15 administrative fee charged. The student may select the institution where the results of the examination are to be sent. Students need to call 268-3315 to make arrangements for testing prior to the administration of the test.

Although the college allows credit for both subject and general examinations, the uncertainty of transferability dictates that only the subject examinations be recommended for students in transfer programs. The general examinations (with a scaled score of at least 50) are acceptable toward requirements for the Associate of Applied Science degree only.

Subject Examination	Acceptable Scaled Score	Minimum Equivalent Course	Semester Credit Hours Awarded
Business			
Information Systems & Computer Applications	50	CMAP 1510	3
Principles of Management	50	MGT 2100	3
Financial Accounting	See Accounting Department		
Introductory Business Law	50	BADM 2210	3
Principles of Marketing	50	MKT 2100	3
Composition and Literature			
American Literature	50	ENGL 2310	3
Analyzing & Interpreting Literature	See English Department		
English Literature	50	ENGL 2210	3
*Freshman College Composition	55	ENGL 1010	3
Foreign 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
Introduction to Educational Psychology	50	EDFC 2040	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

College Level Examination Program cont.

Subject Examination	Acceptable Scaled Score	Minimum Equivalent Course	Semester Credit Hours Awarded
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
General Exam-General Exams provide credit for Applied Degrees ONLY			
English Composition	50		6
Humanities	50		6
Social Sciences and History	50		6
College Math	50		6
Natural Sciences	50		6

* - The essay portion of the test is required – will be scored by C.C. 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
Art/Design HL	4	ART 1000 ART 1010	6	General Art: Studio General Art: History
Biology HL	4+	BIOL 1010	4	General Biology I
Biology SL	4+	BIOL 1000	4	Intro. Biology I
Chemistry HL	4	CHEM 1000	4	Introductory Chemistry
Chemistry HL	5+	CHEM 1025, 1028 CHEM 1035, 1038	8	Chemistry I, Chemistry II
Chemistry SL	5+	CHEM 1005, 1006	4	Basic Chemistry I
Computer Science HL	4+	COSC 1010 COSC 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 ECON 1020	6	Principles of Macroeconomics Principles of Microeconomics
English HL	4+	ENGL 1010	3	English Comp I

International Baccalaureate cont.

Subject	Min. Score	Casper College Course Number(s)	Credit Hours	Course Title
Environmental Systems	4+	BIOL 2400	3	General Ecology
French Language	4	FREN 1010	4	1st Yr French
French Language	5	FREN 1010 FREN 1020	8	1st Yr French I 1st Yr French II
French Language	6/7	FREN 1010 FREN 1020 FREN 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 GERM 1020	8	1st Yr German I 1st Yr German II
German Language	6/7	GERM 1010 GERM 1020 GERM 2030	12	1st Yr German I 1st Yr German II 2nd Yr German I
*History -- American HL	4	HIST 1210 HIST 1220	6	US History I US History II
Math Methods	4	MATH 1450	5	Algebra & Trigonometry
Math HL	4	MATH 2200 MATH 2205	8	Algebra & Trigonometry Calculus I
Music HL	4	MUSC 1000	3	Intro to Music
Music Theory SL	4+	MUSC 1000		Intro to Music
Philosophy HL	4+	PHIL 1000	3	Intro to Philosophy 1000
Physics HL	4	PHYS 1110 PHYS 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 RUSS 1020	8	1st Yr Russian I 1st Yr Russian II
Russian Language	6/7	RUSS 1010 RUSS 1020 RUSS 2030	12	1st Yr Russian I 1st Yr Russian II 2nd Yr Russian I
Spanish Language	4	SPAN 1010	4	1st Yr Spanish I
Spanish Language	5	SPAN 1010 SPAN 1020	8	1st Yr Spanish I 1st Yr Spanish II
Spanish Language	6/7	SPAN 1010 SPAN 1020 SPAN 2030	12	1st Yr Spanish I 1st Yr Spanish II 2nd Yr Spanish I
Performance/Theatre Production HL	4+	THEA 2050	3	Theatre Practice
Visual Art HL	4	ART 1000 ART 1010	6	General Art: Studio General Art: History

*Does not fulfill Wyoming Constitution requirements

Must have official transcript from International Baccalaureate Program

Degrees Conferred

Casper College grants the Associate of Arts, Associate of Science, Associate of Business, Associate of Fine Arts, and Associate of Applied Science degrees. Certificates are also available in many areas.

Graduation Requirements

Application for Graduation

A candidate for graduation must file an application for graduation with the Office of the Registrar. A degree or certificate evaluation and an application for graduation should be completed and on file in the Office of the Registrar before the candidate's final semester registration.

Catalog Governing Graduation

Students are expected to fulfill the requirements for graduation stated in the catalog effective at the time of their graduation. They may, however, elect to graduate under the requirements in effect at the time of their first enrollment 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:

• Complete a minimum of 64 approved semester hours with a grade point average of 2.0 or better in those courses counted toward graduation.

• 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. This requirement cannot be modified without the approval of the Vice President for Academic Affairs.

• Complete at least 12 of the last 15 semester hours applied toward graduation as a degree-seeking student at Casper College. This requirement may be waived at the discretion of the Vice President for Academic Affairs.

• Complete at least one physical education activity course. This requirement will be waived for any student who presents a physician's statement of medical restriction. No more than four semester hours of credit in activity courses will count toward an associate degree.

• Complete a course or pass a test on the U.S. and Wyoming Constitutions as required by the Wyoming statutes. This requirement may be satisfied by completing one of the approved courses or by obtaining a satisfactory score on a test covering the U.S. and Wyoming Constitutions. Complete instructions may be obtained from the dean of the school of social and behavioral science.

• Complete the requirements for one of the five degrees listed in this section.

• If the degree sought is a second associate degree, the student must complete (in addition to all general and departmental degree requirements) 15 semester hours beyond the study requirement of the first degree.

Schools and Departments

The college is organized by schools and the schools by departments. A student majoring in engineering, for example, is in the "school of science, engineering department," but may also take course work from other departments and other schools.

There are five academic schools: business and industry, fine arts and humanities, health science, science, and social and behavioral sciences.

Noncredit courses are offered through the Casper College Office of Continuing Education/Community Partnerships.

Course Identification

The engineering major, to continue the previous example, would identify courses taught in the engineering department by the abbreviation ES. "ES 1060 Introduction to Engineering Computing" would be such a course. Further, the "1000" number indicates that the course is typically for freshmen, as freshman courses begin with the number "1"; a course beginning with a "2" would indicate a course normally taken by sophomores. A course numbered below 1000 (example: ENGL OR MATH 0900) is a pre-college or remedial course and typically does not transfer toward a baccalaureate program.

Lecture, Laboratory and Credit Codes

Explanatory information appears in parentheses following each course title, for example: BIOL 1010, General Biology I (3L,3LB,4CR).

l. The number "3" preceding the letter "L" indicates three 50-minute periods of lecture, recitation and testing each week for one semester. Normally, each period requires considerable outside preparation.

2. The number "3" preceding the letters "LB" indicates three 50-minute periods in a laboratory or an activity each week for one semester.

3. The number "4" preceding the letters "CR" denotes four semester hours credit for the course.

4. An asterisk (*) in any position indicates a special situation explained in a following note.

5. [E] denotes University of Wyoming equivalent.

6. [I], [WA], [O], [QA, QB], [S, SB, SP, SE], [C, CH, CS, CA], [V], [P], [L], [WB, WC], [G], and [D] after the course title and credits denotes University of Wyoming University Studies requirements. (See page 249 or UW Course Transfer Guide for details and explanations.)

General Education Philosophy Statement 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 him or her for life. The goal of general education is to provide the skills necessary for one to be an educated member of society.

To achieve this goal we must ensure that each student who is granted a degree has the ability to explore and participate, the ability to communicate, and a comprehension of the relationship between the individual and the wider world. Students are required to take courses in the following areas:

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, atmospheric science, biology, chemistry, geology, molecular biology, physics, zoology, GEOG 1010.

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.

Depending on the course, students will:

1. Learn to apply the scientific method through methodological observations, hypothesis formulation, experimental design and testing, and analyses of data.
2. Demonstrate an understanding of the nature of science, its limitations, processes, capabilities, and potentials.
3. Demonstrate the use of the scientific reasoning necessary to arrive at a proper conclusion.

Math Computation Requirement

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

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.

Depending on the course, students will:

1. Learn to analyze a nontrivial problem, choosing an appropriate tool for its solution and then interpreting and communicating this solution.
2. Be able to accurately express and translate concepts and conclusions between the language of spoken and written words and the language of mathematics.
3. Be able to develop conjunctures by recognizing and analyzing mathematical patterns.
4. Develop an appreciation for the power, beauty, utility, and significance of mathematics and its role in society.

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, ENGL 1010, ENGL 1020, ENGL 1110, ENGL 1120.

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.

Depending on the course, students will:

1. Develop proficiency in the reception, analysis, evaluation, and interpretation of information and information sources, both oral and written.
2. Improve and refine their understanding of how to communicate appropriately, demonstrating a heightened awareness of diverse cultures.
3. Learn to express complete thoughts in an organized, comprehensible, and persuasive manner.
4. Learn to apply audience-appropriate conventions to the preparation and presentation of meaningful oral or written arguments.

Human Behavior Requirement

Courses used to satisfy the human behavior requirement for graduation must be selected from the following departments or courses: anthropology, addictionology, criminal justice, economics, geography, history, political science, psychology, sociology, GNDR 1000.

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.

Depending on the course, students will:

1. Develop an awareness of cultural diversity, either through the identification and articulation of related individual contributions or through commentary about current related events and issues with a program-specific emphasis on their interconnectedness.
2. Develop an understanding of both the complex and dynamic nature of cultural, social, political, and economic systems and the social scientific methods for hypothesis development and testing.
3. Learn to identify and explain at least one social force effecting cultural change.
4. Develop an understanding of the behavior, values, and belief systems of individuals and human institutions.
5. Develop an understanding of the historical and spatial interactions within and between groups of people, either by identification and explanation of the development, persistence, and mutability of requirement-specific relationships, or by critical evaluation of historical periods from the viewpoint of developments -- political, demographic, geographic, social, or cultural -- influencing societal actions or thoughts.

Cultural Environment Requirement

Courses used to satisfy the cultural environment requirement for graduation must be selected from the following departments or courses: art, humanities, world languages, philosophy, music (a maximum of four credit hours in music studio and ensembles), theater, ASL 1200, ASL 1220, CO/M 2380, ENGL 2004, ENGL 2006, ENGL 2050, ENGL 2025, ENGL 2055, ENGL 2060, ENGL 2080, ENGL 2130, ENGL 2140, ENGL 2150, ENGL 2185, ENGL 2210, ENGL 2220, ENGL 2230, ENGL 2235, ENGL 2270, ENGL 2310, ENGL 2320, ENGL 2340, ENGL 2350, ENGL 2370, ENGL 2440, ENGL 2480, POLS 2460, RELI 1000, WMST 1080.

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.

Depending on the course and the area of concentration, students will:

1. Develop a deeper understanding of aesthetic, cultural, historical, and philosophical dimensions of traditions.
2. Be able to interpret and make critical judgments about the arts or language through the analysis of structure, form, and style of specific works.
3. Learn to create, recreate, or evaluate art and other creative endeavors based upon techniques and standards appropriate to the genre.
4. Demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.

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.

Category	Credit
1) Exploration and Participation	
A. Reasoning and Inquiry in Science (laboratory science)	4
B. Math Computation	3
2) Communication	
C. Communication (ENGL 1010 and 1020)	6
3) Relationship With the World	
D. Human Behavior	3
1. U.S. and Wyoming Constitutions course	1-3
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.

1) Exploration and Participation	
A. Reasoning and Inquiry in Science (laboratory science)	1 course
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.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FELTEX

Student Services

Student Success Center

The Student Success Center is located on the 3rd floor of the Gateway Building room 350, and is home to Career Services, COMPASS and GED exams, Disability Support, Single Parent and the Swift Kick Programs. We are here to serve students with a variety of goals such as academic and career planning, test anxiety, general information sharing and guidance through the admissions process. Contact us at 307-268-2089 or www.caspercollege.edu/swiftkick.html.

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	2nd Saturday in February
Last Saturday in October	2nd Saturday in April
2nd Saturday in December	2nd Saturday in June

Deadlines for registration and online registration can be accessed by going to www.act.org. For futher information, contact the Student Success Director or Specialist at 268-2255 or 268-3315.

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 deficiencies of students with low achievement.

GED Exam

Casper College offers the GED exam throughout each semester. The GED exam requires pre-registration before a student can sit for the exam. Please contact the Student Success Specialist at 268-3315 for information regarding pre-registration times and dates of testing. For more information regarding the test please visit www.GEDtestingservice.com.

Students are highly encouraged to prepare for the GED exam through the Adult Learning Center (268-2230) prior to taking the exam.

Placement Testing (COMPASS Exam)

The COMPASS exam, which aids students and advisors in proper course placement, is given in the Gateway Building, room 350.

The cost of the exam is $10.00, and consists of three tests -- reading, writing and math. Although each test is not timed, students should plan on 2 hours for completion of the entire exam. Results are provided immediately after the exam has concluded.

The exam is administered on M,T, and F from 8 a.m.-2 p.m. and Wed. from 11 a.m.-2 p.m. The COMPASS exam is also available on Thursday evenings by appointment only. All other listed times do not require an appointment. Students must bring a picture ID. Calculators are provided.

For more information please contact the Student Success Specialist at 268-3315 or the Student Success Center Office Assistant at 268- 2089. To view sample questions please visit the COMPASS website at http://www.act.org/compass/sample/index.html.

Career Services

Uncertain about your educational and career goals? Need to work while attending college? Looking for your first career job? Visit Career Services in the Student Success Center, located on the third floor of the Gateway Building. The professional staff can help you get some focus on these goals and provide general advising for students who are uncertain or exploring.

Employment-related services for Casper College students and graduates include job listings, internships, assistance with development of resumes and cover letters, and practice job interviews.

College transfer and study abroad information is available in the center's resource area, on the Career Services web page (www.caspercollege.edu/career), or by calling 268-2662.

Disability Services

Student with physical, learning or emotional impairments must overcome a variety of obstacles in order to achieve their personal and academic goals. The Office of Disability Services is committed to assisting these individuals and offers a number of resources designed to make Casper College's programs more accessible to disabled students. All part-time and full-time student enrolled at Casper College, who have a documented disability are eligible for services.

Persons requesting such services will meet with the Disability Services Counselor to review eligibility documentation, discuss the types of accommodations being requested, and complete a required service agreement.

Typically accommodative services require at least 72 hours of advanced planning prior to implementation. However, when adaptive equipment or special services must be ordered, a minimum of two weeks must be allowed.

Possible accommodations that may be arranged include, but are not limited to, one or more of the following: 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, adaptive computer equipment and software, and appropriate tables and chairs. In addition, special shuttle bus services or class relocation may be arranged. The Disability Services office is located in the Gateway Building, Room 342, phone 268-2557.

Single Parent Program

The Single Parent Program offers a variety of services to assist and guide Casper College single parents toward success. Not only does the program offer academic planning and guidance to help students navigate the higher education system but it also provides some additional financial resources to help offset the cost of attending college. Due to the high cost of textbooks, the single parent program has established a library of textbooks for loan. A grant is also available to qualified single parents. To qualify for the grant, single parents must be in good academic standing. Due to the number of single parents served, there is a waiting list. Students must be registered for classes to be placed on the waiting list or receive any other financial assistance through the single parent program. To learn more and access services, please see the Director of Student Success in the Gateway building, room 347 or call 268-2255.

**There may be financial opportunities for low-income, married females with children to assist with tuition, books and day care expenses. Please see the Director of Student Success.

On-Campus Employment

Students interested in working on or off campus may view job postings at www.caspercollege.edu/career or stop by the Student Success Center on the third floor of the Gateway Building. Based on applicants' qualifications and job interests, students may apply directly to the supervisor using the referral information within the job posting.

On-campus employment affords students the opportunity to offset college costs and gain valuable work experience. Degree-seeking students in good standing and enrolled at least half-time may apply to work up to 15 hours per week. All on-campus positions pay above minimum wage.

There are three 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.

3. Grants: Any eligible students may apply for positions funded through various grants.

Off-Campus Employment

Career Services provides assistance to students and alumni seeking off-campus employment. The professional staff provides resume assistance, arranges interviews, and offers numerous employment-related services. Job openings are posted at www.caspercollege.edu/career.

STUDENT SERVICES

Bookstore

The Casper College Bookstore, located in the Strausner Student Center, is open Monday through Friday. At the beginning of the fall and spring semesters, the bookstore is open additional evening hours to serve student needs.

In addition to new and used textbooks, the bookstore carries a large variety of school supplies, study aids, clothing and gift items, academically priced software, greeting cards, and snacks.

Full refunds for books in the same condition as purchased will be made through the first week of class. Refunds will also be made through the second week of class with a completed drop slip. Textbooks purchased for a one- or two-day class may not be returned for a full refund unless the class is cancelled. A receipt is required for all returns. Textbooks are bought back at the Casper College Bookstore year round. At the end of the semester books will be bought back for the store at half of new or used price if the store has a need for the book. All other books will be bought back at prices set by a used book company.

Campus Security

Casper College maintains a full-time proprietary security department which responds to calls for service and patrols the campus around the clock. Officers patrol the entire campus in marked vehicles and the residence halls on foot during certain hours. College security officers are not sworn law enforcement officers and do not have the power of arrest.

The Security Department has an excellent working relationship with the Casper Police Department and other area law enforcement agencies. Officers are trained in CPR and the use of Automated External Defibrillators and attend other specialized training courses on issues relevant to their duties. Among the services provided to the College community by Campus Security are vehicle unlocks, jump starts and safety escorts.

Campus Security can be reached 24 hours a day, seven days a week, including holidays, by calling 307-268-2688. Additional information, including the College's Annual Security Report, Annual Fire Safety Report, Emergency Response Guide and Daily Crime Log which are posted under the compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act can be obtained by going to the Campus Security website, www.caspercollege.edu/security/index.html.

Early Childhood Learning Center

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, as well as 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 infant through kindergarten, and is 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 CC website, A-Z, Childcare. There is a $30* per semester registration fee and a $30 prepayment which goes towards childcare costs.

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

Food Service

The cafeteria at the Ben Roberts Commons serves 19 meals per week: three meals a day Monday through Friday and two meals on Saturday and Sunday. Students living in the residence hall complex must have a food service contract for their board. There are four board plans:19 meals per week, 10 meals per week, 15 meals plus $60 Bonus Bucks and 10 meals plus $80 Bonus Bucks. Students not residing in the residence hall complex can obtain their meals at the Commons by purchasing a meal plan, or by paying cash at the cafeteria on a per meal basis, or by purchasing T-Bucks that are added to their ID card. Bonus Bucks expire at the end of the semester where as T-Bucks do not and are usable in future semesters.

Three coffee/snack bars are available on campus. The PS Coffee Cart is located in the second floor Wold Physical Science Center lobby. The DSL Coffee Bar is located in the Doornbos Student Lounge in the Liesinger Building, and the third coffee/snack bar is located on the third floor of the Gateway Building. All offer sandwiches, pastries, snacks, Seattle's Best coffees and other beverages, and T-Bucks or Bonus Bucks may be used at the coffee/snack bars.

A student committee meets with the food service director to make suggestions regarding menu and special occasion dinners. The food service provides monthly special occasion and/or holiday meals. Food service for all occasions on the Casper College campus is catered by Sodexo, the food service company employed by the college.

Contract meal service for fall semester begins the first day of classes and lasts through the last day of final exams; for the spring semester, the first day of classes through commencement. The cafeteria will be closed between semesters, during spring break and on specific dates as listed in the Residence Halls Terms and Conditions of Occupancy Handbook.

Residence Halls

Housing, for full-time (12 hour), unmarried degree students, is provided on campus in the residence hall complex and Wheeler Terrace. All 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 the residence halls.

Students residing in Casper College residence halls are expected to behave responsibly. Existing regulations are intended to set the foundation for providing an educationally sound atmosphere within the building and on campus. Students are allowed to regulate their own hours, and no curfew is imposed. Each student receives a building key, allowing the student to come and go as he/she pleases.

Students who live in the residence hall complex are required to eat in the cafeteria located in the Ben Roberts Commons. Wheeler Terrace residents are not required to purchase a meal plan, but can if they chose to do so.

A deposit of $200 must accompany each application for residence hall reservations at Casper College. Reservation deposits and requests for further housing information should be addressed to the Director of Student Life, Casper College, 125 College Drive, Casper, WY 82601.

For more information about housing, see the "Payments" section.

Single Student Apartments

Civic Apartments, twelve, one-bedroom unfinished apartments are available for 1 to 2 people with a minimum age requirement of 23 years old. Thorson Terrace Apartments, eight one-bedroom apartments rent for $550 per month, including utilities, Internet services and local telephone service. Thorson apartments are furnished, but occupants must provide their own utensils, dishes, bedding and linen. Assignments to these apartments are made in consideration of the applicant's age, record of responsibility and class status. A damage deposit of $200 is required.

** Housing costs subject to change without notice.*

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 for participation.

A student accident and sickness insurance plan may be purchased from Student Assurance Services. The plan is open to all students taking three credit hours or more. For information, enrollment materials and registration go to: www.sas-mn.com or pick up a brochure from Student Services.

All International students on file with the International Student Admissions Office. Those students who come from countries without a National Insurance Plan, can purchase Casper College's International Student Insurance through Student Insurance Services which also covers repatriation expenses. Contact the International Student Admissions Office at 307-268-3123 for more information.

Strausner Student Center

The main floor of the Strausner Student Center houses the offices of the Associate Vice President for Student Services, Campus Security Director, Director of Student Life, Student Health Service, Student Government, Student Activities Office and as well as the college bookstore, meeting rooms, information center and display areas for student organizations. The lower level of the building contains the Writing Center, English Center, GEAR UP program, Chinook Newspaper, Expression Magazine, Campus Security, and faculty offices as well as classrooms.

STUDENT WELLNESS CENTER

Counseling Services

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 of all ages. Our professional counselors are trained to assist students in examining and resolving these and other difficulties that might interfere with educational and personal success. The counselors offers individual, couple, family, and group counseling, along with consultations and crisis intervention. These services are free and confidential, and are available to faculty and staff as well as students.

Counseling appointments can be made in person with the Wellness Center receptionist in CE 221, or by calling 268-2267. Office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. Wednesday evening appointments are also possible, based on counselor availability.

Student Health Services

The Casper College Student Health Service Office is maintained in the Strausner Student Center where a registered nurse is in charge. Services, most of which are free, are available for students with ID cards and include the following: physical exams (check with the director for programs which require physicals), administration of immunizations and CLIA - waived lab tests, strep throat testing, blood pressure monitoring, urinalysis, emergency first aid care, office visits, coordination of medical care with community resources, personal health education programs and consultations (individual and group), a women's specialty clinic per week and a three-hour general physician clinic per week.

A women's specialty clinic (by appointment Wednesday afternoons) and physician ordered blood testing are done on a sliding/reduced fee basis. Although the service is typically open from 8 a.m. to 4 p.m., Monday through Friday, the general physician's drop-in clinic begins at 5:30 p.m. on Wednesday evenings during the fall and spring semesters.

STUDENT ACTIVITIES

Student Activities Office

The intramural sports program office is located in the Strausner Student Center, Room 205, 307 268-2638. All programs are open to Casper College and affiliated institutions' students, spouses and employees. Children under 17 are only allowed to participate in the family fun recreation programs. Some of the intramural sports offered through the office include: coed softball, men's, women's and coed basketball, coed volleyball, lap swimming and water aerobics, aerobics, coed flag football, bowling, golf and putt-putt golf.

Student Activities Board

Four elected members of the Associated Students of Casper College (ASCC) Student Senate lead the Student Activities Board (SAB) and serves on the executive committee of the Associated Students of Casper College (ASCC) Student Senate. Other members of the board are volunteers who are appointed as chairs of specific committees which program events for the campus community. The SAB organizes, advertises, and conducts diverse types of activity programming such as dances, free-movie nights, coffee houses, special events, family fun events, games, lectures, etc. Since a portion of the per-credit student fees are used to fund SAB programs, these events are typically free but require a current student ID for a person to participate.

Student Government

Leadership of the Associated Students of Casper College (ASCC) is exercised through the ASCC Student Senate. The student senate is composed of five executive officers elected by the student body. Other student senate members are elected by class or appointed through Casper College's affiliated programs. The student senate administers a portion of the per-credit student fees collected by the college. The Senate Constitution and By-Laws can be found in the student handbook.

International Education

The International Education Department fosters an institutional culture and climate that fully supports international education and cross-cultural awareness in order to prepare Casper College students for active involvement in a global environment. Students will have the opportunity for international study, exchanges, travel, and volunteer experiences abroad. For more information, contact Barbara Mueller, International Education Director, by e-mail bmueller@caspercollege.edu or phone 307-268-2517.

Honors Program

The Honors Program's mission is to produce a diverse body of graduates who are well educated, socially conscious, and capable of assuming leadership roles in our society. To that end, Honors students will participate in undergraduate research, will assume leadership roles both on and off campus, and will participate in service projects on campus and in the community. For more information, contact Dave Zoby, Director of the Honors Program, by e-mail dzoby@caspercollege.edu or phone 307-268-2379.

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. For more information, contact Gretchen Wheeler, Director of the Center for Learning Through Service, by e-mail wheeler@caspercollege.edu or phone 307-268-2390.

Music Activities

Concert Chorale. This mixed performance choir is an outstanding activity for students. Membership is granted by the instructor through audition and 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 granted by the instructor through audition.

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

The college newspaper has been named Chinook after the warm wind which frequently blows in this area. The paper is published and managed by the students.

A literary magazine, Expression, is published once a year. It includes short stories, poems, essays, and art work. Both offices are in the Strausner Student Center.

Theatre and Dance

The Department of Theatre and Dance at Casper College provides opportunities for all students who are interested in theatre performance, tech, and design as well as dance performance. Events are presented in four spaces in the Gertrude Krampert Theatre Complex: the McMurry Main Stage, 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. With these spaces, the students get a wide variety of experience. All registered Casper College students are welcome and invited to participate. 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 theatre or dance to participate.

Student Organizations

Alpha Mu gamma (National Foreign Language Honor Society)
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 Automotive Technology Club (CCAT)
Casper College Chess Club
Casper College Film Club
Casper College Fire Science Club
Casper College Fitting & Showing Club
Casper College French Club
Casper College Geology Club
Casper College German Club
Casper College Livestock Judging Club
Casper College Psychology Club
Casper College Skills USA Club
CC Student Chapter of the Music Educators National Conf. (MENC)
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
Chi Alpha Christian Fellowship
Criminal Justice Club
Honors Club
International Students Club
Oil City Ag Club
Occupational Therapy Assistance Club (OTA)
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 Radiographer Association
Student Wyoming Education Association of Casper College
The Casper College Synergy Alliance
The Destination Literacy Team, UW/CC Center
The Physical Science Club, Casper College
Technical Education Collegiate Association (TECA)

Competitive Speech (Forensics Team)

Intercollegiate competition is central to the forensics program at Casper College. Students receive systematic and careful instruction in preparation for competition at tournaments in the Rocky Mountain region. Participation on the forensics team is open to any qualified student.

Fitness

Various aerobic activities are offered each semester. Free YMCA swim passes are available at the college center main desk. Contact the student activities office for current information on fitness program opportunities.

Family Programs

Free family swims and family recreation programs are offered for students with children. Contact the student activities office for more information.

Varsity Athletic Programs

Casper College fields intercollegiate teams in men's and women's basketball, men's and women's rodeo and volleyball.

The Thunderbirds are members of the Wyoming Community College Athletic Conference, Region IX under the National Junior College Athletic Association (NJCAA), and the National Intercollegiate Rodeo Association (NIRA). The athletic scholarship policies and eligibility requirements are in accordance with, or surpass, the operating standards and bylaws of the NJCAA and NIRA.

Two gymnasiums and a fitness center are located on campus. The college also hires trainers to assist student athletes in all sports.

Men's Basketball

Casper College schedules games with other community colleges in Wyoming and several other states. The Thunderbirds have a much deserved national reputation in basketball and have a big 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. They are coming off back -to-back 20-win seasons.

Women's Basketball

The Thunderbird women's team has made eight trips to the national tournament, finishing as high as third in 1996 and fourth in 2010. The T-Birds won 33 games in 2010 and followed that up with a back-to-back regional title in 2011.

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 consistently been ranked in the nation's top 25.

Rodeo

Casper College competes in the Central Rocky Mountain Region of NIRA, and were Region winners in 2011. Rodeo is considered 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 a very important part of the agricultural department at Casper College.

The team is restricted to those 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 very successful, winning numerous awards at all levels of competition. Additional information may be obtained by contacting the agriculture department at Casper College.

STUDENT RESOURCES

Computer Laboratories

Both Windows and Macintosh computers are available in laboratories for general student access. In addition, Casper College has several departmental computer labs. Please consult the appropriate department head to determine availability of departmental computer labs.

All computer network resources are provided to support educational purposes relating to courses of study only. Commercial use is prohibited. Users are expected to comply with institutional policies and local, state and federal legal standards. The college may impose limited restrictions on the use of its computer network systems. Qualified users of the computer network resources include Casper College and university partnership students, faculty and staff.

Word processing, spreadsheet and database software and Internet access is available in the computer labs. Software used for specific disciplines is also available in certain labs. For additional information, contact the Information Technology Help Desk, 307-268-3648.

Library

The Goodstein Foundation Library provides an 118,000 volume collection of materials especially selected to serve the students and faculty of Casper College. This book collection is supplemented by more than 600 periodical subscriptions, in addition to other materials such as CD-ROM indexes, maps and pamphlets. The library also houses a special collection of noncirculating materials on Wyoming and the West with particular emphasis on Casper and Natrona County. Students and faculty have access to the holdings of libraries across Wyoming and the United States through automated network participation and interlibrary loan services.

Study carrels as well as tables are placed around the perimeter and among the stacks for privacy and concentration. Study rooms are available for the use of small groups or individuals. Networked computers, photocopiers and typewriters are also available for student use as are facilities for the use of videos and microforms. Additionally, the library provides an extensive program of bibliographic instruction in conjunction with various faculty.

Mathematics Learning Center

The Mathematics Learning Center, located in Room 104 of the Wold Physical Science Center, is available to all Casper College students. The center operates on a casual, drop-in basis with evening hours available Mondays through Thursdays during the academic year.

The supervisor of the laboratory and hired students are available for tutorial assistance. Several forms of electronic media including video and microcomputers are available. Video-taped lectures are available for most topics. Also, the center has software for the computer for tutorial instruction and for drill and practice.

English Center

Students wishing to improve skills in English grammar, sentence construction, phonics, spelling, vocabulary, reading, listening, and study skills may enroll in courses or obtain drop-in assistance in the English Center, Room 132 in the Strausner Student Center.

The Center provides an extensive library of programmed textbooks, audio and video tapes, computer software and reading pacers, making individualized, self-paced instruction available for each student. Students are able to arrange class hours to fit their particular schedules. An instructor is available during Center hours for consultation (for specific course offerings, see English).

Western History Center

The Casper College Western History Center acquires, preserves, arranges, describes, and provides public access to both 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 (1) physical arrangement and intellectual description, and (2) providing reference service. The department 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. For more information, contact the Western History Center Archivist, in the Goodstein Library Room 203, by calling 307-268-2680.

Writing Center

The Writing Center is a resource for the students, faculty and staff of Casper College, UW/CC Center and affiliated institutions, as well as residents of the Casper community. Trained writing assistants work with authors on writing projects in all disciplines, and on personal projects such as business and professional correspondence, poetry, fiction and other genres. Peer, faculty, and community volunteer staff use a variety of strategies to assist authors at any stage of a writing project, from generating materials, to drafting and revising to editing of the final version. Writing Center resources include textbooks, professional journals, and teacher preparation materials about writing in all disciplines, plus information on markets and contests for writers. Writing Center services are free; check at the Writing Center, Strausner Student Center, Room 138, (307) 268-2610 for hours each semester.

GEAR UP

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 7th -12th grade Natrona County youth and their parents. GEAR UP also focuses on enhancing already existent youth services through partnerships and networks in local communities. GEAR UP programs can be found at each of Wyoming's community college campuses as well as on the University of Wyoming campus. Casper College houses its GEAR UP program in the lower level of the Strausner Student Center.

Student Financial Assistance

Gateway Building, 3rd Floor, 307-268-2739
www.caspercollege.edu/financial_aid

Casper College's Office of Enrollment Services administers/coordinates a variety of institutional, state, federal, and private financial assistance programs for qualified students. Financial assistance programs include scholarships, grants, loans, and student employment. Casper College offers a variety of financial assistance programs for students based on merit and income. Awards recognize scholastic achievement, assist low income students, and provide funding so students can reach their goal of graduation. Detailed information on all financial aid programs is available on request from the Enrollment Services Office and on the web site at www.caspercollege.edu/financial_aid. Financial aid policies and procedures may change without notice.

Dual Enrolled Students

A student seeking a degree from Casper College (Home Institution) but wishing to enroll for credit at a Host Institution(s) will receive financial aid only from Casper College (the Home Institution). All federal financial aid awards will be made by the Home Institution based on policies of the Home Institution. Students who are dual enrolled need to fill out a consortium agreement from their Home institution.

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 of any funds received under Title IV federal programs is not eligible to receive additional Title IV federal funds at any school until those funds are repaid or until satisfactory repayment provisions have been met. A brief description of the federal programs available to Casper College students is provided below. For more specific information, please check our web site at www.caspercollege.edu/financial_aid with links to the Department of Education.

Note: To apply for federal grants, loans, or work-study at Casper College, students must complete the FAFSA (Free Application for Federal Student Aid). Additional steps are required for loans and work study. The

FAFSA form can be completed and submitted at www.caspercollege.edu/financial_aid. If you do not have internet access, you may contact Enrollment Services Office or your high school guidance offices to request internet access. A new FAFSA must be completed annually.

Casper College encourages students to apply for federal aid early each year. Typically, March 1 is our priority due date. Documents received prior to this date will have priority consideration.

Grant Programs

Federal Pell Grant- This is the foundation of the federal aid programs, to which aid from other federal and non-federal sources might be added.

Eligibility is based on the federal calculation of need and is applied for using the FAFSA. The Federal Pell Grant program is for qualified undergraduates. The federal government establishes the dollar limit for the Federal Pell Grant program each year.

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

Federal Work-Study (FWS)

This is a limited fund, need based program. Students may work up to 15 hours per week. Most positions are on-campus. Federal Work-study eligibility is determined by the Enrollment Services Office and placement is completed by Career Center.

Federal Direct Stafford Loan

Loans to students: Repayment of principal is deferred until the borrower either completes the education program or ceases to be enrolled at least half time. There will be a four step process for first time borrowers. The FAFSA serves as the primary application form. A "Master Promissory Note" (MPN) and entrance loan counseling are required and available on the Casper College financial aid web site under the "Loan" link. Students must complete a student loan request each year.

Federal Direct Parent Loan for Undergraduate Students (PLUS)

Loans to parents: Parents may be able borrow for a dependent student. Repayment begins within 60 days for a parent borrower. Applications can be initiated from Casper College's financial aid web site 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 since, students receiving federal assistance, (i.e. Pell Grants, Stafford Loans, Federal Work-Study, etc.) must meet and maintain certain academic and satisfactory progress standards to remain eligible to receive such assistance each term. Although the following information identifies the main factors that must be evaluated, the student should check with the Enrollment Services Office for the most current policy as these standards are subject to revision. Please note the standards provided below 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. Enrollment Status: Students must be enrolled as classified students in a degree or certificate program to be eligible for aid. In addition, loan applicants must be enrolled for six or more credit hours.

2. Census Date: Students must finalize their class registration by the end of business on this day. The student's enrollment status will be measured and aid eligibility cancelled, reduced or increased, as necessary. The Census date is the 10th class day (fifth day of each summer session) of the term.

3. Grade Point Average (GPA): Students must maintain a cumulative GPA of at least a 2.0.

4. 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 9 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's and U's 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.

5. Maximum Hours Attempted (Maximum Time Frame): Federal regulations require students to complete their program of study within a reasonable time frame. The time frame 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 to be attempted. The student should determine the number of credit hours required for their selected program. All hours attempted, whether on aid or not, are counted. Transfer students hours earned at other schools are included in this count. At any point it is determined that the student can no longer complete their program by this maximum hours, the student is no longer eligible for federal assistance.

Eligibility Status

Satisfactory: Satisfactory status is achieved when all criteria explained above 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 payment 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 cannot be paid 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 in order for the request to be approved. 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 in order to be funded, until they are once again meeting the over-all standards of progress requirements. The "Request for Reinstatement of Financial Aid" form is available from the Enrollment Services Office.

Withdrawing and Nonattendance: Impact on Federal Financial Assistance

Students who alter their enrollment status (drop or add courses) during the course of a semester are subject to have their eligibility for federal financial assistance 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 (fifth day for the summer session) term. This is the "census date." Assistance that was previously offered for the term will be reevaluated and 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. If a student fails to initiate attendance in some or all courses, their eligibility for federal assistance must be recalculated, excluding those courses, regardless of the student's enrollment status. The student would be responsible for the return of all "over-awarded" funds as a result of their never attending the course(s). Students who claim federal funds and never attend any 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 in the Enrollment Services Office upon request. The

Enrollment Services Office 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 Being Expelled

Students who unofficially withdraw (drop out, walk away, etc.), officially withdraw, (see Academic Policies section), 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 only completes 20 percent of a term, only 20 percent of their aid would be considered earned and 80 percent of their aid would be 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 will be considered to have earned 100 percent of their federal assistance. (Please note 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 the application is selected for verification in the federal processing and edit systems, if the Enrollment Services Office has reason to believe that any application information critical to the calculation of the student's expected family contribution (EFC) is inaccurate, or if application information is in conflict with other information. If an application is selected for verification, the Enrollment Services Office will give notice to the applicant. The notice will specify what items of information must be verified and will detail what documents and procedures are required for verification. It will also specify the time period within which the applicant shall provide the required documentation and will advise the applicant of the consequences of the applicant's failure to comply within the specified period. The time period granted to the applicant for completion of required documentation may vary with the complexity of the requirements and with 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 the Enrollment Services Office.

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, if needed. Should the applicant fail to provide required documentation within the specified time period, the application is considered invalid and the applicant will forfeit eligibility for assistance from the 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 time period and confirm the accuracy of all application items requiring verification, the application is finalized, and if all other requirements have been met, a letter is sent to notify the applicant.

If the verification documents reveal inaccuracies in the application, 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 is notified of deficiencies and instructed on how to correct them. Should review of an application for Title IV student aid indicate that the applicant may have engaged in fraud or other criminal misconduct in connection with his/her application; the Enrollment Services Office must refer the student for investigation on all relevant information to the Office of the Inspector General of the United States Department of Education. Examples of such information 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.

Casper College Scholarships

Casper College administers/coordinates state, institutional, foundation, private agency, service club, and individual scholarships. Students can access most applications January 15 to March 15 of each year. For a current listing of available scholarships refer to the Casper College website: www.caspercollege.edu/financial_aid/scholarships. Scholarship information, including specific criteria, application requirements, and deadline dates are available on the web site.

SCHOLARSHIP GUIDELINES

Philosophy

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 only for tuition, they must choose between the awards (unless otherwise noted). If the scholarship is not listed as specific to tuition and fees then the scholarship is available to 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

There are many different types of scholarships that require varying conditions to maintain each scholarship. Before students withdraw, or change courses they should visit with the Enrollment Services Office to see what the requirements are needed to maintain their individual scholarships. 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 - SCHOLARSHIP GUIDELINES

For the most current and up to date scholarship information specific to your major and academic school, please refer to Casper College's web site. Many of the following scholarships require completing an online application process. Please see the Casper College web site at www.caspercollege.edu/financial_aid/scholarships or check with the Enrollment Services Office for more information.

Casper College Institutional Funded Scholarships

Activities Scholarship - Coach/Sponsor

Activity/Athletic: Scholarships in the following activities are awarded through selection by coaches or sponsors. All 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: Joel Davidson
- Basketball, Women's: Dwight Gunnare
- Volleyball, Angel Sharman
- Rodeo, Tom Parker
- Forensics, Terry Rogers
- Journalism, Peter Van Houten
- Livestock Judging, Jeremy L. Burkett
- Student Government, Joanna Anderson
- Student Activities Board, Barb Meryhew
- Theatre and Dance, Richard Burk
- Music, Kristen Robinson
- Visual Arts, Linda Ryan
- Writing Center, Julia Whyde
- Expression Magazine, Terry Rasmussen
- Chinook Newspaper, Peter Van Houten

Academic Scholarships

Academic Scholarships: Scholarships in the following academic areas are awarded through nomination or application process. All 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 Enrichment Scholarship
- Casper College Advancement Scholarship
- Casper College Opportunity Scholarship
- WUE Difference Scholarship
- General Education Development (GED) Scholarship-: Requires an average GED score of 550 with a sub score no lower than 500.

State Funded Scholarships

The scholarships listed below are provided through support from the State of Wyoming. All are subject to the "Scholarship Guidelines" outlined at the beginning of this section.

Hathaway Scholarships: Four categories of awards ($1600 to $3200 per year) are available to graduates of eligible Wyoming high schools, GED recipients and Home Schooled students, all of whom must meet specific eligibility requirements.

- **Honors -** $1600 per semester, Minimum GPA 3.5 & ACT score 25 or better.
- **Performance -** $1200 per semester, Minimum GPA 3.0 & ACT score 21 or better.
- **Opportunity -** $800 per semester, Minimum GPA 2.5 & ACT score 19 or better.
- **Provisional Opportunity -** $800 per semester, Minimum GPA 2.5 & ACT score 17 or WorkKeys score of 12 or better.

Hathaway is available the equivalent of four full time semesters (two years) at a community college and four full time semesters at UW.

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. The Success Curriculum for Wyoming 2011 high school graduates requires students to complete four years of math, four years of language arts, four years of science, three years of social studies and two years of the same foreign language for the Honors and Performance categories. Opportunity Hathaway requires four years of math, language arts, science, three years of social studies and proficiency on the state standards for foreign cultures and language. Provisional Opportunity requires high school graduation requirements and proficiency on the state standards for foreign cultures and language. 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, twelve if paid full time. Remedial courses do not count towards Hathaway GPA, hours or payment. Continuous enrollment is required. Hathaway scholarships can be earned back depending on original payment and timeframe. For more specific information and/or an application please contact the Enrollment Services Office or check online www.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 the Enrollment Services Office for more details.

County Commissioners Scholarship: Student must have a cumulative GPA of 2.5 and apply in the county 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. Please contact the Enrolment Service Office for more information.

Wyoming Quality Counts: Wyoming Quality Counts Scholarship is available to individual who work in a licensed child care center who are current degree seeking students at Casper College.

Foundation Scholarships

Casper College has numerous scholarships that are provided by the generous support of donors though Casper College Foundation for a complete and up to date listing visit the web site www.caspercollege.edu/financial_aid/scholarship . Applications are posted on the web site in January for the following academic year. All are subject to the "Scholarship Guidelines" outlined at the beginning of this section. Each Academic School will have a complete listing of scholarships specific to their school.

School of Study Scholarships

School of Study scholarships are awarded to full-time, degree-seeking students who are enrolled in one of the college's five academic schools:

- Business and Industry
- Fine Arts and Humanities
- Health Science
- Science
- Social & Behavioral Science

Applicants must have at least a 3.0 cumulative GPA to be considered. The award is $500 per semester ($1,000 per year). Students must attempt and earn at least 12 credit hours and earn a GPA of at least 3.0 each semester. Application priority deadline is March 1. (This date is subject to change) To apply for a school of study scholarship, utilize the Casper College web site: www.caspercollege.edu/financial_aid/scholarships.

Private Agency and Service Club Scholarships

There are many outside organizations that have provided applications for degree seeking students through Casper College. For the most current and up to date listing please refer to our web site www.caspercollege.edu/financial_aid/scholarships . All are subject to the "Scholarship Guidelines" outlined at the beginning of this section.

Other Financial Assistance Programs

Martha Vucurevich Trust Scholarship: Available to KWHS and NCHS graduates with a cumulative GPA of 2.5 or better. The awarded amount varies. Students may apply at their applicable high school guidance office. The deadline is April of each year.

Richardson Scholarship: 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. Note: students must file the Free Application for Federal Student Aid (FAFSA) 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. These loan funds are administered through the Casper College Accounting and Financial Management Office. Please consult with this office about the procedures required to qualify for a short term loan.

Veterans Benefits: Enrollment Services Office assists the Department of Veterans' Affairs (VA) in providing certification for the following education benefits:

- Under Title 38, U.S. Code
- Chapter 30 (Montgomery G.I. Bill)
- Chapter 31 (Vocational Rehabilitation)
- Chapter 32 (Post-Viet Nam Era)
- Chapter 33 (Post-9/11 G.I. Bill)
- 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)

Degree Programs

ACCOUNTING

Faculty

Becker, Ott, Oxley

Associate of Business Degree
Accounting

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) Credits

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

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

Major Requirements

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

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

Associate of Applied Science Degree
Career Accounting

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

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II 4
- ACCT 2110 Microcomputer Accounting I . . . 2
- ACCT 2120 Computer Spreadsheet Accounting 3
- ACCT 2410 Intermediate Accounting I 4
- ACCT 2420 Intermediate Accounting II 4
- ACCT 2430 Income Tax 3
- ACCT 2460 Payroll Tax 3
- BADM 2010 Business Law I 3
- BADM 2340 Business Organizations and Government Regulations 3
- IMGT 2400 Intro to Information Management 3
- MGT 2100 Principles of Management 3
- MKT 2100 Principles of Marketing 3

Select at least 1 class from the following electives

- BADM 1025 Entrepreneurial Finance 3
- BADM 2195 Entrepreneurship 3
- BADM 2245 Real Estate Law 3
- MGT 2150 Leadership 3

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.

Associate of Applied Science Degree Paraprofessional Accounting

The Paraprofessional Accounting Program is designed to prepare the student for success in the workplace as a bookkeeper, accounts receivable clerk, accounts payable clerk, office manager, or as a paraprofessional in a CPA firm. It will also prepare the student for the optional Certified Bookkeeper Exam as administered by the American Institute of Professional Bookkeepers (AIPB).

This is a nontransfer degree.

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

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

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

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II 4
- ACCT 2110 Microcomputer Accounting I 2
- ACCT 2120 Computer Spreadsheet Accounting . . . 3
- ACCT 2410 Intermediate Accounting I 4
- ACCT 2420 Intermediate Accounting II 4
- ACCT 2430 Income Tax 3
- ACCT 2460 Payroll Accounting 3
- BADM 1030 Personal Finance 3
- BADM 2010 Business Law I 3
- IMGT 2400 Intro to Information Management 3
- MGT 2100 Principles of Management . . . . . or
- MKT 2100 Principles of Marketing 3

Select at least 3 classes from the following electives

- BADM 2030 Business Ethics 3
- BADM 2340 Business Organizations and Government Regulations 3
- BUSN 2000 International Business 3
- ENGL 1010 English I: Composition 3

The following group of AIPB review courses may be used in place of one of the above electives:

- ACCT 1450 CB Exam Review 3

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

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 Credits

- ENGL 1010 English I: Composition 3
- Algebra 3

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II 4
- ACCT 2110 Microcomputer Accounting I . . . . . or
- ACCT 2120 Computer Spreadsheet Accounting . . . 3
- ACCT 2430 Income Tax 3
- BADM 1000 Introduction to Business . . . . . or
- MGT 2100 Principles of Management 3
- BADM 1005 Business Mathematics I 3
- BADM 1020 Business Communications 3
- IMGT 2400 Intro to Information Management 3

Professional Bookkeeper Certificate

The professional bookkeeper certification option is a nondegree program designed to prepare the student for success in the workplace as an entry-level bookkeeper, along with the ability to pass the Certified Bookkeeper Exam as administered by the American Institute of Professional Bookkeepers (AIPB).

(Certificate Requirements)

General Education Credits

- BADM 1005 Business Math I 3
- BOTK 1540 Business English 3

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II 4
- ACCT 2110 Microcomputer Accounting 3
- ACCT 2120 Computer Spreadsheet Accounting . . . 3
- ACCT 2430 Income Tax 3
- ACCT 2460 Payroll Accounting 3
- BADM 1030 Personal Finance 3
- IMGT 2400 Intro to Information Management 3

It is strongly recommended that the student take the following AIPB review courses before sitting for the Certified Bookkeeper Exam:

- ACCT 1450 CB Exam Review 3

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

Faculty

Quealy-Berge

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 Certificate

(Certificate Requirements)

	Credits
ADDN 2010 Addictions Assessment	3
ADDN 2970 Addictionology Practicum	6
CNSL 2010 Ethics and Professional Issues	3
CO/M 2155 Motivational Interviewing	3
PSYC 1000 General Psychology	3
PSYC 2050 Clinical/Counseling Theories	3
PSYC 2210 Drugs and Behavior	3
PSYC 2260 Alcoholism	3
PSYC 2330 Psychology of Adjustment	or
Approved electives	5

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

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

Associate of Arts Degree
Associate of Science
Degree Addictionology

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) Credits

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

1. Exploration and Participation
   - Biological science 4
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ADDN 2010 Addictions Assessment	3
ADDN 2970 Addictionology Practicum	6
CNSL 2010 Ethics and Professional Issues	3
CNSL 2300 Basic Counseling Skills	3
PSYC 2050 Clinical/Counseling Theories	3
PSYC 2210 Drugs and Behavior	3
PSYC 2260 Alcoholism	3
PSYC 2340 Abnormal Psychology	3
ANTH 1200 Cultural Anthropology	or
SOC 1000 Introduction to Sociology	3
Electives	6

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

AGRICULTURE

Faculty

Burkett, Finch, Hornecker, T. Jones, Parker

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.

Associate of Science Degree Agriculture

(Recommended Curriculum)

General Education (Minimum 32 credits) 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. 4
   - BIOL 2022 Animal Biology. . . . . or
   - BIOL 2023 Plant and Fungal Biology 4
   - CHEM 1005 Basic Chemistry I 3
   - CHEM 1006 Basic Chemistry Lab I. 1
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- AGEC 1010 Agriculture Economics I 3
- AGEC 1020 Agriculture Economics II 3
- AGEC 2010 Farm-Ranch Business Records 3
- AGEC 2020 Farm-Ranch Business Management . . 4
- AGRI 1010 Computers in Agriculture 2
- ANSC 1010 Livestock Production I . . . . . or
- CROP 2000 Plants, Agriculture and Civilization 4
- ANSC 1020 Livestock Production II . . . . . or
- CROP 2200 Forage Crop Science 3-4
- ANSC 2110 Beef Production 3
- ANSC 2120 Sheep Production 3

Approved electives: AGEC 2300, AGEC 2370, AGRI 1020, AGRI 2000, AGRI 2010, AGRI 2475, ANSC 1030, ANSC 1100, ANSC 1150, ANSC 1200, ANSC 1210, ANSC 1220, ANSC 2020, ANSC 2130, ANSC 2230, CO/M 1010, CO/M 1030, ECON 1010, FDSC 2100, PSYC 1000, REWM 1000, REWM 2000, SOC 1000, SOIL 1000.

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

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.

Associate of Science Degree Agri-Business

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

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- AGEC 1010 Agriculture Economics I 3
- AGEC 1020 Agriculture Economics II 3
- AGEC 2010 Farm-Ranch Business Records 3
- AGEC 2020 Farm-Ranch Business Management . . 4
- AGEC 2300 Agricultural Marketing 3
- AGRI 1010 Computers in Agriculture 2
- Approved Electives 10

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.

Recommended electives: ACCT 2020, AGRI 1020, AGRI 2000, AGRI 2010, AGTK 1570, AGTK 1580, AGTK 1590, ANSC 1010, ANSC 1020, ANSC 1200, ANSC 1210, ANSC 1030, ANSC 1220, ANSC 2020, ANSC 2110, ANSC 2120, ANSC 2130, ANSC 2230, BADM 1000, BADM 1020, BADM 1025, BADM 2010, BADM 2040, BADM 2100, BADM 2195, BADM 2245, BANK 1500, BANK 2930, CO/M 1010, CO/M 1030, CROP 2000, FDSC 2100, MATH 2350, REWM 1000, REWM 2000, SOIL 1000, STAT 2050.

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

Associate of Science Degree
Animal Science

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

Major Requirements

- AGEC 1010 Agriculture Economics I 3
- ANSC 1010 Livestock Production I 4
- ANSC 1020 Livestock Production II 3
- ANSC 1100 Artificial Insemination. 1
- ANSC 1150 Animal Diseases 2
- ANSC 2020 Feeds and Feeding 4
- ANSC 2110 Beef Production. 3
- ANSC 2120 Sheep Production 3
- ANSC 2130 Swine Production 3
- BIOL 2022 Animal Biology 4
- FDSC 2100 Meat Evaluation. 3

Approved electives: AGEC 1020, AGEC 2010, AGEC 2300, AGEC 2370, AGRI 1010, AGRI 1020, AGRI 2000, AGRI 2010, AGRI 2475, ANSC 1030, ANSC 1200, ANSC 1210, ANSC 1220, ANSC 2020, ANSC 2490, CO/M 1010, CO/M 1030, CROP 2000, CROP 2200, REWM 1000, REWM 2000, SOIL 1000.

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

Associate of Science Degree
Range Management

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

Major Requirements

- AGEC 1010 Agriculture Economics I 3
- ANSC 1010 Livestock Production I 4
- BIOL 2023 Plant and Fungal Biology 4
- BIOL 2400 Ecology 3
- CROP 2000 Plants, Agriculture and Civilization 4
- CROP 2200 Forage Crop Science 4
- REWM 1000 Introduction to Range Management . . 1
- REWM 2000 Principles of Range Management 3
- SOIL 1000 Elementary Soils 3
- Electives 4

Approved electives: AGEC 2010, AGEC 2300, AGEC 2370, AGRI 1010, AGRI 1020, AGRI 2000, AGRI 2010, AGRI 2475, ANSC 1020, ANSC 1030, ANSC 1100, ANSC 1150, ANSC 1200, ANSC 1210, ANSC 1220, ANSC 2020, ANSC 2110, ANSC 2120, ANSC 2490, BIOL 2410, CO/M 1010, CO/M 1030.

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.

Associate of Applied Science Degree
Agri-Business

The agri-business terminal curriculum is designed to serve the needs of those students who do not plan to transfer to a four-year institution and who are desirous of a combination of agriculture and business courses which will aid them in entering production agriculture or in becoming employed in a related industry, i.e., feed industry, fertilizer sales, etc.

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ACCT 1905 Practical Accounting I . . . . . or
ACCT 2010 Principles of Accounting I 4
AGEC 1010 Agriculture Economics I 3
AGEC 1020 Agriculture Economics II 3
AGEC 2010 Farm-Ranch Business Records 3
AGEC 2020 Farm-Ranch Business Managements . . 4
AGEC 2300 Agricultural Marketing 3
AGRI 1010 Computers in Agriculture 2
AGRI 1020 Advanced Agricultural Computers 2
ANSC 1010 Livestock Production I . . . . . or
CROP 2000 Plants, Agriculture and Civilization. . . . 4
ANSC 1020 Livestock Production II . . . . . or
CROP 2200 Forage Crop Science 3-4
*Electives 19

Recommended electives: AGRI 2000, AGRI 2010, AGRI 2475, ANSC 1030, ANSC 1100, ANSC 1150, ANSC 1200, ANSC 1210, ANSC 1220, ANSC 2020, ANSC 2110, ANSC 2120, ANSC 2130, ANSC 2230, BADM 1000, BADM 1030, BADM 2010, CO/M 1030, ECON 1010, FDSC 2100, MGT 2100, MKT 2100, PSYC 1000, REWM 1000, REWM 2000, SOC 1000.

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

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

Associate of Applied Science Degree
Animal Science Technology

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) 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 4
   - BIOL 2022 Animal Biology. 4
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

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.

Major Requirements

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

Recommended electives: AGRI 2000, AGRI 2010, AGRI 2475, ANSC 1100, ANSC 1150, ANSC 1200, ANSC 1210, ANSC 1220, ANSC 2020, ANSC 2110, ANSC 2120, ANSC 2130, ANSC 2230, BADM 1000, BADM 1030, BADM 2010, CO/M 1030, ECON 1010, FDSC 2100, MGT 2100, MKT 2100, PSYC 1000, REWM 1000,
SOC 1000.

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

LIVESTOCK JUDGING TEAM

The livestock judging team is a very important part of the agricultural department at Casper College.

The team is restricted to those 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 very successful, winning numerous awards at all levels of competition. Additional information may be obtained by contacting the agriculture department at Casper College.

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

Faculty

Mueller

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, natural 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.

Associate of Arts/Associate of Science Degree Anthropology

(Recommended Curriculum)

General Education (Minimum 32 credits) 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. 4
   - BIOL 2022 Animal Biology. 4
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - SOC 1000 Introduction to Sociology. 3
   - U.S. and Wyoming constitutions 3
   - World language (must be in one language) . 8
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

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

Recommended electives: ART 1300, CO/M 1010, ENGL 2340, ENGL 2350, GEOG 1000, GEOG 1080, GEOL 1100, GEOL 1250, GNDR 1000, HUMN 2045, HUMN 2425, POLS 2310, PSYC 1000, PSYC 2000, SOC 2112, THEA 1000.

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

This recommended curriculum is geared toward those students who will be transferring to the University of Wyoming. Students who are planning to transfer to an out-of-state institution should refer to the requirements of that institution requirements so that this curriculum can be modified.

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

Faculty

D. Miller

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.

Associate of Applied Science Degree Auto Body Repair Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
   - 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 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

Auto Body Repair Technology certificate program requirements	33
Auto body repair, automotive, machine tool or welding electives	15

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

Auto Body Repair Technology Certificate

(Certificate Requirements)

Fall Semester	Credits
AUBR 1540 Auto Body Welding	3
AUBR 1550 Auto Body Repair I	4
AUBR 1810 Collision Damage Repair I	4
AUBR 1910 Auto Body Paint I	3
WELD 1820 GMAW and GTAW Welding	2.5

Spring Semester	Credits
AUBR 1560 Auto Body Repair II	4
AUBR 1710 Frame and Chassis I	2.5
AUBR 1820 Collision Damage Repair II	4
AUBR 1920 Auto Body Paint II	3
WELD 1910 Specialized Welding and Joining	3

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

AUTOMOTIVE TECHNOLOGY

Faculty

Waldron

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 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.

Associate of Applied Science Degree Automotive Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
   - 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 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

Automotive Technology certificate program requirements	40
*Approved electives	15

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

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

Certificate

(Certificate Requirements)

Credits

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

AUTO 1510 Engine System Fundamentals	5
AUTO 1690 Manual Power Train Fundamentals	4
AUTO 1765 Automotive Electrical	5
AUTO 2555 Suspension and Steering	4
AUTO 2980 Cooperative Work Experience	2

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

AUTO 1740 Brakes	4
AUTO 1760 Heating and Air Conditioning	or
AUTO 2500 Advanced Engine Rebuilding	4
AUTO 2565 Advanced Automotive Electrical	5
AUTO 2610 Computerized Fuel Systems	5
AUTO 2980 Cooperative Work Experience	2

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.

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.

Associate of Applied Science Degree Aviation

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ACCT 2010 Principles of Accounting I 4
AVTN 2510 Private Pilot Ground School 3
*AVTN 2520 Private Pilot Flight School 3
AVTN 2600 Instrument Pilot Ground School 3
**AVTN 2620 Instrument Pilot Flight School 3
AVTN 2705 Commercial Pilot Ground School . . . 3
***AVTN 2720 Commercial Pilot Flight I 3
***AVTN 2730 Commercial Pilot Flight II. 3
CO/M 1010 Public Speaking . . . . . or
CO/M 1030 Interpersonal Communication 3
COSC 1200 Computer Information Systems 3
ECON 1010 Principles of Macroeconomics . . . . . or
ECON 1020 Principles of Microeconomics. 3
GEOG 1010 Introduction to Physical Geography. 4
MATH 1000 Problem Solving . . . . . or
MATH 1400 Pre-Calculus Algebra 3-4
MGT 2100 Principles of Management 3
ZOO 2110 Human Physiology 4
Electives 10-11

*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.

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

Faculty

Atnip, Brown, Chase, Clifford, Deus, Johnson, Polley, W. Robinson

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.

Associate of Science Degree
Biology

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 4-year biology degree on the Casper College campus via the UW/CC 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) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- BIOL 1000 Introduction to Biology I . . . . . or
- BIOL 1010 General Biology I 4
- BIOL 2022 Animal Biology 4
- BIOL 2023 Plant and Fungal Biology 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- Mathematics 6-10
- MOLB 2210 General Microbiology 4
- PHYS 1110 General Physics I 4
- PHYS 1120 General Physics II 4
- *Biological sciences electives 9

* 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.

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

Associate of Science Degree
Wildlife Management

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) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- BIOL 1000 Introduction to Biology I . . . . . or
- BIOL 1010 General Biology I 4
- BIOL 2022 Animal Biology . . . . . or
- BIOL 2023 Plant and Fungal Biology 4
- BIOL 2400 General Ecology 3
- BIOL 2410 Field Ecology 2
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- Mathematics 6-10
- *Biological science elective 4
- Electives 16

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

A minimum of 64 approved semester hours 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

Faculty

Dobby, Nolan, Oxley, Shugart, Simon

The 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.

Associate of Business Degree Business Administration

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) Credits

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

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

Major Requirements

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

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

Associate of Applied Science Degree Entrepreneurship

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

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II 4
- ACCT 2430 Income Tax . . . . . or
- ACCT 2460 Payroll Accounting 3
- BADM 1020 Business Communications 3
- BADM 1025 Entrepreneurial Finance 3
- BADM 2010 Business Law I 3
- BADM 2030 Business Ethics 3
- BADM 2040 e-commerce 3
- BADM 2195 Entrepreneurship 3
- BADM 2245 Real Estate Law 3
- BADM 2350 Commercial Law 3

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.

BUSN 2000 International Business 3
IMGT 2400 Intro to Information Management 3
MGT 2100 Principles of Management. 3
MKT 1000 Sales . . . . . or
MKT 1300 Advertising . . . . . or
MKT 2100 Principles of Marketing 3
Electives in field of interest to be selected in consultation with advisor if needed 1-2

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

Associate of Applied Science Degree Management

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

Major Requirements

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

Select 6-7 credits from the following electives

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

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

Associate of Applied Science Degree Leadership and Organizational Management

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

Major Requirements

ACCT 2010 Principles of Accounting I 4
ACCT 2020 Principles of Accounting II 4
BADM 2010 Business Law I 3
BADM 2030 Business Ethics 3
BADM 2340 Business Organizations and Government Regulations 3
BUSN 2000 International Business 3

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.

ECON 1010 Macroeconomics . . . . . or
ECON 1020 Microeconomics 3
HOSP 1580 Customer Service and Conflict Resolution 3
IMGT 2400 Intro to Information Management 3
MGT 2050 Leading Organizational Change 3
MGT 2100 Principles of Management 3
MGT 2110 Organizational Behavior 3
MGT 2150 Leadership 3
MKT 2100 Principles of Marketing 3
Electives 6

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

Associate of Business Degree Pre-Law (Business)

See Pre-Professional section for recommended curriculum.

Associate of Science Degree Construction Management

See Construction Technology section for recommended curriculum.

Associate of Applied Science Degree Retail Merchandising

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

Major Requirements

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

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

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

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 INFORMATION SYSTEMS

Faculty

Ladd, Marvel

Associate of Science Degree
Computer Security

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) Credits

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

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

Major Requirements

- BADM 2670 Internet Ethics and Cyber Law 3
- CMAP 1610 Windows I 3
- CMAP 1615 Operating Systems 3
- CMAP 1815 Database Applications 3
- COSC 1010 Intro to Computer Science 4
- CSEC 1500 Network Security Fundamentals 3
- CSEC 1505 Internetworking I 3
- CSEC 1510 Network Defense Principles 3
- CSEC 1530 Computer Forensics 3
- IMGT 2400 Intro to Information Management 3

Select a minimum of 3 credit hours of electives from the following list:

- BADM 2030 Business Ethics 3
- BADM 2040 e-commerce 3
- CRMJ 2230 Law of Evidence 3

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

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

Associate of Applied Science Degree
Computer Security

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

Major Requirements

- CMAP 1610 Windows I 3
- CMAP 1615 Operating Systems 3
- CMAP 1715 Word Processing. 3
- CMAP 1765 Spreadsheet Application 3
- CMAP 1815 Database Applications 3
- COSC 1010 Intro to Computer Science 4
- CRMJ 2120 Intro to Criminal Justice. 3
- CRMJ 2230 Law of Evidence 3
- CSEC 1500 Network Security Fundamentals 3
- CSEC 1505 Internetworking I 3
- CSEC 1510 Network Defense Principles 3
- CSEC 1520 Network Attack Principles 3
- CSEC 1530 Computer Forensics 3
- IMGT 2400 Intro to Information Management 3
- INET 2670 Internet Ethics and Cyber Law 3

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.

Select a minimum of 5 credit hours of electives from the following list:

BADM 2030 Business Ethics 3
BADM 2040 e-commerce 3
CMAP 2630 Presentation Graphics 2

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

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

Computer Security Certificate

(Certificate Requirements)

Credits

Major Requirements

BADM 1005 Business Mathematics I . . . . . or
MATH 1000 Problem Solving 3
BADM 1020 Business Communications 3
BOTK 1540 Business English 3
CMAP 1610 Windows I 3
CMAP 1615 Operating Systems 3
CRMJ 2120 Intro to Criminal Justice. 3
CSEC 1500 Network Security Fundamentals 3
CSEC 1505 Internetworking I 3
CSEC 1530 Computer Forensics 3

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

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

Associate of Applied Science Degree
Office Management

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

Major Requirements

ACCT 1905 Practical Accounting . . . . . or
ACCT 2010 Principles of Accounting I 4
BADM 1000 Introduction to Business 3
BADM 2010 Business Law I 3
BADM 2030 Business Ethics 3
BOTK 1655 Keyboarding Speed and Accuracy 1
BOTK 1660 Document Formatting 2
BOTK 1955 Professional Development 3
BOTK 1980 Cooperative Work Experience I. 1
CMAP 1550 e-Portofolio Development 1
CMAP 1715 Word Processing. 3
CMAP 1815 Database Applications 3
CMAP 2630 Presentation Graphics 2
COSC 1200 Computer Information Systems 3
IMGT 2400 Intro to Information Management 3
MGT 2100 Principles of Management. 3
Electives chosen in consultation with advisor 6

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

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

Office Management Certificate

(Certificate Requirements)

Credits

Major Requirements

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

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

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.

Associate of Applied Science Degree
Software Support Specialist

(Recommended Curriculum)

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.

General Education (Minimum 17 credits) 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 3
2. Communication
   - BOTK 1540 Business English 3
   - BADM 1020 Business Communications . . . 3
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ACCT 1905 Practical Accounting 4
BOTK 1655 Keyboarding Speed and Accuracy 1
BOTK 1660 Document Formatting 2
BOTK 1955 Professional Development 3
BOTK 1980 Cooperative Work Experience I. . . . . or
BOTK 2970 Internship: Help Desk 1-3
CMAP 1510 Computer Literacy 3
CMAP 1610 Windows I 2
CMAP 1715 Word Processing. 3
CMAP 1765 Spreadsheet Applications 3
CMAP 1815 Database Applications 3
CMAP 1855 Desktop Publishing II 3
CMAP 1886 Outlook 1
CMAP 2630 Presentation Graphics 2
ELTR 2920 Small Computer Repair Techniques. . . . 3.5
IMGT 2400 Intro to Information Management 3
INET 1510 Web Site Analysis 1
INET 1550 Introduction to the Internet 1
INET 1590 Web Page Design 3
Electives 1-3

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

A minimum of 64 approved semester credits are required for graduation. 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)

General Education Credits

BADM 1005 Business Mathematics I 3
BADM 1020 Business Communications 3
BOTK 1540 Business English 3

Major Requirements

ACCT 1905 Practical Accounting 4
BOTK 1655 Keyboarding Speed and Accuracy 1
BOTK 1660 Document Formatting 2
CMAP 1510 Computer Literacy 3
CMAP 1610 Windows I 2
CMAP 1715 Word Processing. 3
CMAP 1765 Spreadsheet Applications 3
CMAP 1886 Outlook . . . . . or
INET 1550 Introduction to the Internet 1
CMAP 2630 Presentation Graphics . . . . . or
INET 1590 Web Page Design 2-3

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

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.

CHEMISTRY

Faculty

Mechalke, Mehn, Millan

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 1006 (concurrent enrollment in 1005 required). Chemistry, engineering, pre-professional (medicine, veterinary, pharmacy, and medical technology), biology, physics, and geology majors begin with CHEM 1025 and 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, 1006, 1025, and 1028.

2. Students who are taking CHEM 1005 in order to prepare for CHEM 1025 and 1035 need not take 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.

Associate of Science Degree
Chemistry

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) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (Minimum 24 credits)

- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- CHEM 2230 Quantitative Analysis 4
- CHEM 2320 Organic Chemistry I 3
- CHEM 2325 Organic Chemistry Laboratory I 1
- CHEM 2340 Organic Chemistry II 3
- CHEM 2345 Organic Chemistry Laboratory II 1
- **MATH 1450 Pre-Calculus Algebra and Trigonometry 5
- MATH 2200 Calculus I 5
- PHYS 1310 College Physics I 4
- Electives 13

**Exact entry level mathematics course is determined by the students performance on the Math Placement Exam.

At least one year of German is a baccalaureate degree requirement of chemistry majors at most universities.

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

Faculty

Hurless, Rogers, Stedillie, Van Houten, Wheeler, Wilson

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.

Associate of Arts Degree
Communication - Human Communication

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

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

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

Associate of Arts Degree
Communication - Journalism

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

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

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.

Associate of Arts Degree
Communication - Multimedia
(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

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

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

Faculty

Krumm

The computer science curricula are designed to give the student a broad applications language background. This can be used to prepare students pursuing four-year degrees with the necessary course work required for the first two years. Alternatively, the student can fulfill the core requirements of a two-year applied science degree in computer science, with emphasis in a specific area of interest.

Associate of Science Degree
Computer Science

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) 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 5
   - Lab Science 8
     CHEM 1025 and CHEM 1028, CHEM 1035 and CHEM 1038, or BIOL 1010 with either BIOL 2023 or ZOO 2040, or PHYS 1310 and PHYS 1320.
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above
5. Physical Education 1

Major Requirements

- COSC 1030 Computer Science I 4
- COSC 2030 Computer Science II. 4
- COSC 2150 Computer Organization. 3
- COSC 2406 Java Programming 4
- Electives 14

Also select a minimum of 3 hours from the following:

- ES 1000 Intro to Engineering Orientation 1
- COSC 2300 Discrete Structures 3
- COSC 2405 MFC Windows Programming in C++ . . 2
- COSC 2409 Programming: Topic 2-4

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) 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 . . . . . or
   - MATH 2350 Business Calculus I. 4-5
   - Lab Science 8
     CHEM 1025 and CHEM 1028, CHEM 1035 and CHEM 1038, or BIOL 1010 with either BIOL 2023 or ZOO 2040, or PHYS 1310 and PHYS 1320.
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above
5. Physical Education 1

Major Requirements

- COSC 1030 Computer Science I 4
- COSC 2030 Computer Science II. 4
- COSC 2150 Computer Organization. 3
- COSC 2406 Java Programming 4
- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II. 4
- IMGT 2400 Intro to Info Management. 3
- STAT 2050 Fundamentals of Statistics 5
- Electives 3

Recommended electives: ES 1000, COSC 2300, COSC 2405, COSC 2409.

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

Faculty

Steinle

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 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)

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

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

Associate of Applied Science Degree Construction Technology

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) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

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

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.

Associate of Science Degree
Construction Management

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

Major Requirements

- BADM 2010 Business Law I 3
- CNTK 1870 Building Materials and Systems 3
- CNTK 1975 Materials Handling and Construction Equipment 3
- CNTK 2520 Architectural and Construction Planning 3
- ENTK 1510 Drafting I 4
- FIN 2100 Managerial Finance 3
- MATH 1405 Pre-Calculus Trigonometry 3
- MGT 2100 Principles of Management 3
- Electives 8

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.

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

Associate of Science Degree
Industrial Arts

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) 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 4
   - PHYS 1110 General Physics. 4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology 3
   - Cultural environment. 3
4. General Education Electives 7
   - Must be chosen from areas 1, 2, or 3 above. (CO/M 1010 and STAT 2050 recommended)
5. Physical Education 1

Major Requirements

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

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.

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

Faculty

Washut

The department recognizes that the majors within the department are not traditional vocational programs, and it emphasizes the need to extend the educational experience beyond the two years that are available at Casper College. The department of 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 in its students that are desirable for employment in the criminal justice fields: intelligence, tolerance, self discipline and respect for constitutional values. It develops professional qualities of leadership within those students currently employed with a criminal justice agency, and it provides a general knowledge to the nonmajor about the successes and failures of America's criminal justice system.

The department recognizes that no system can ever receive the necessary change that is desirable for improvement until there are substantial numbers of individuals, both inside and outside the system, who recognize the need for desirable change and have the competence to bring it about. As a result, the department encourages nonmajors to enroll in the classes as electives.

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.

Associate of Arts Degree/Associate of Science Degree Criminal Justice Corrections Option

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

CRMJ 2120 Intro to Criminal Justice . . . . or
POLS 2120 Intro to Criminal Justice 3
CRMJ 2210 Criminal Law I 3
CRMJ 2230 Law of Evidence 3
CRMJ 2350 Introduction to Corrections 3
CRMJ 2380 Probation and Parole 3
CRMJ 2970 Criminal Justice Internship 1-3
PSYC 1000 General Psychology 3
SOC 1000 Introduction to Sociology 3
SOC 1100 Social Problems 3
SOC 2400 Criminology 3

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

Associate of Arts/Associate of Science Degree Criminal Justice – Policing Option

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

CRMJ 2120 Introduction to Criminal Justice 3
CRMJ 2130 Criminal Investigation 3
CRMJ 2210 Criminal Law I 3
CRMJ 2230 Law of Evidence 3
CRMJ 2250 Police Administration 3
CRMJ 2280 Criminal Procedure 3
CRMJ 2430 The Community and the Police 3
PSYC 1000 General Psychology 3
SOC 1000 Introduction to Sociology 3
SOC 1100 Social Problems 3
SOC 2400 Criminology 3

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.

Associate of Applied Science Degree
Criminal Justice

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

CRMJ 2120 Introduction to Criminal Justice 3
CRMJ 2130 Criminal Investigation 3
CRMJ 2210 Criminal Law I 3
CRMJ 2230 Law of Evidence 3
CRMJ 2250 Police Administration 3
CRMJ 2430 The Community and the Police 3
FIRE 1670 Basic Emergency Care/First Responder. 2
PSYC 1000 General Psychology 3
SOC 1000 Introduction to Sociology 3
Electives 19

Select major electives from the following list:

ADDN 1020 Addictions Behaviors 2
ADDN 1410 Adolescents 1
ADDN 1440 The Family 1
CMAP 1500 Computer Keyboarding 1
CMAP 1505 Introduction to Computers 1
CMAP 1510 Computer Literacy 3
CRMJ 1700 Firearms 2
CRMJ 2280 Criminal Procedure 3
CRMJ 2350 Introduction to Corrections 3
CRMJ 2380 Probations and Parole 3
CRMJ 2965 Directed Studies in Criminal Justice . . . 1-6
CRMJ 2970 Internship 1-3
CRMJ 2980 Cooperative Work Experience 1-3
FIRE 1550 Causes and Investigation of Fires 3
PSYC 2210 Drugs and Behavior 3
PSYC 2260 Alcoholism 3
SOC 1100 Social Problems 3
SOC 2325 Marriage and Family 3
SOC 2400 Criminology 3
SPAN 1010 First Year Spanish I 4
SPAN 1020 First Year Spanish II 4
SPAN 2030 Second Year Spanish I 4
SPAN 2040 Second Year Spanish II 4

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

Associate of Science Degree
Forensic Science

(Recommended Curriculum)

General Education (Minimum 32 hours) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

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

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).

A minimum of 64 approved semester hours 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

Faculty

Morris, Roberts

Associate of Applied Science Degree
Diesel Power Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

DESL 1540 Heavy Duty Electrical Systems 3
DESL 1580 Power Train, Braking and Steering 3
DESL 1610 Engine Rebuilding I 9
DESL 1620 Engine Rebuilding II 9
DESL 1650 Fuel Systems and Diesel I 5
DESL 1660 Fuel Systems and Diesel II 3
DESL 1850 Basic Hydraulics 3
DESL 1980 Coop Work Experience Diesel 8
Diesel, welding or machine tool elective 4

Natural Gas Option:

*DESL 1680 Natural Gas Engine Technology 10.5

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

*Permission of instructor required.

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

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

Credits

DESL 1540 Heavy Duty Electrical Systems 3
DESL 1610 Engine Rebuilding I 9
DESL 1650 Fuel Systems and Diesel I 5
DESL 1980 Coop Work Experience (Diesel) 4

Spring Semester

DESL 1580 Power Train, Braking and Steering 3
DESL 1620 Engine Rebuilding II 9
DESL 1660 Fuel Systems and Diesel II 3
DESL 1850 Basic Hydraulics 3
DESL 1980 Coop Work Experience (Diesel) 4

Natural Gas Option:

*DESL 1680 Natural Gas Engine Technology 10.5

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

* Permission of instructor required.

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

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

DRAFTING AND DESIGN

Faculty

Brutsman, Eggemeyer

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.

Associate of Applied Science Degree Drafting and Design Technology

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) 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
   - 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 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education . . . . . .

Major Requirements

ENTK 1010 Elements of Surveying. 3
ENTK 1021 Descriptive Geometry 3
ENTK 1505 Introduction to GIS. 4
*ENTK 1510 Drafting I. 4
ENTK 1650 Mechanical Drafting and Design I 4
ENTK 2625 Mechanical Drafting and Design II. 4
ENTK 1710 Architectural Drafting I 4
ENTK 1720 Architectural Drafting II 4
ENTK 1750 Commercial Architectural Drafting 4
ENTK 2510 CAD-3D Modeling 4
ENTK 2550 Civil Drafting I 4
Approved Electives 6

Approved electives: engineering technology, art, construction, electronics, machine tool, robotics, welding, computer component, and business component.

A grade of "C" or better must be earned in all major requirements.

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

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. 4
ENTK 1021 Descriptive Geometry 3
*ENTK 1710 Architecture Drafting I. 4
ENTK 1720 Architectural Drafting II 4
ENTK 1750 Commercial Architectural Drafting 4
CNTK 2510 Construction Estimating 3
CNTK 2520 Architectural and Construction Planning 3
CNTK 2525 Construction Project Management 3

*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.

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. 4
ENTK 1021 Descriptive Geometry 3
*ENTK 2510 CAD 3D Modeling 4
ENTK 1650 Mechanical Drafting and Design I 4
ENTK 2625 Mechanical Drafting and Design II. 4
MCHT 2780 Computer Numerical Control (CNC) Machining Center 4
MCHT 2790 Computer Numerical Control (CNC) Turning Center 4
MCHT 2800 Computer Assisted Manufacturing 3

*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.

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.

ECONOMICS

Faculty

Schellberg

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.

Associate of Science Degree
Economics

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

COSC 1200 Computer Information Systems 3
ECON 1010 Principles of Macroeconomics 3
ECON 1020 Principles of Microeconomics 3
ECON 2400 Environmental Economics 3
MATH 2200 Calculus I . . . . . or
MATH 2350 Business Calculus I. 4-5
MATH 2205 Calculus II . . . . . or
MATH 2355 Business Calculus II 4-5
STAT 2050 Fundamentals of Statistics 5
Electives 12

Recommended electives: courses in accounting, business, mathematics, statistics and sciences.

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

Faculty

DeVoogd, Doyle, Griffith, Mahlum, Rowley

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.

Associate of Arts/Associate of Science Degree Elementary Education

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - MATH 1100 Number and Operations for Elementary School Teachers . . . 3
   - Lab Science (Choice of two listed below must be taken concurrently with science seminar)
   - BIOL 1020 Life Science. 4
   - ** GEOL 1070 Earth Science for Elementary Education 4
   - ***PHYS 1090 Fundamentals of Physical Universe 4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology 3
   - PSYC 2300 Developmental Psychology 3
   - Cultural environment 3
4. General Education Electives 1
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

Science Seminar (Choice of two listed below must be taken concurrently with lab science)

- *EDCI 1430 Life Science in Elementary School. . . . 1
- ***EDCI 1440 Physical Science in Elementary School 1
- **EDCI 1450 Earth Science in Elementary School . 1
- EDEL 1410 Theory I Seminar: Education 1
- EDEL 2410 Theory II Seminar: Education 1
- EDEX 2484 Introduction to Special Education 3
- EDFD 2020 Foundations of Education 3
- EDFD 2100 Educational Psychology 3
- EDUC 2100 Public School Practicum 4
- HLED 2006 Health for Elementary Educators. 1
- ITEC 2360 Teaching with Technology 3
- LIBS 2280 Literature for Children 3
- MATH 1105 Data, Probability and Algebra for Elementary School Teachers 3
- MATH 2120 Geometry and Measurement for Elementary School Teachers 3
- PSYC 2360 Lifespan: Adulthood and Aging 1
- Approved Electives . . . . . 1 (Third Lab Science HIGHLY recommended)

Approved electives

Lab Science (Choice of one listed below must be taken concurrently with science seminar)

- *BIOL 1020 Life Science 4
- **GEOL 1070 Earth Science for Elementary Education 4
- ***PHYS 1090 Fundamentals of Physical Universe 4

Science Seminar (Choice of one listed below must be taken concurrently with lab science)

- *EDCI 1430 Life Science in Elementary School 1
- ***EDCI 1440 Physical Science in Elementary School. 1
- **EDCI 1450 Earth Science in Elementary School . 1
- CO/M 1010 Public Speaking. 3
- CO/M 1030 Interpersonal Communication 3
- ART courses 3
- MUSC courses 3

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.

Associate of Arts Degree
Secondary Education – Social Studies

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology 3
   - Cultural environment 3
4. General Education Electives 9
   - 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 1

Major Requirements

- EDFD 2020 Foundations of Education 3
- EDFD 2100 Educational Psychology 3
- EDUC 2100 Public School Practicum 4
- ITEC 2360 Teaching With Technology 3
- PSYC 2300 Developmental Psychology 3
- PSYC 2360 Lifespan: Adulthood and Aging 1

Five courses (15 credits) from the following list:

- ANTH 1100 Intro to Physical Anthropology 3
- ANTH 1200 Intro to Cultural Anthropology 3
- ANTH 2210 North American Indian 3
- ECON 1010 Principles of Macroeconomics 3
- ECON 1020 Principles of Microeconomics 3
- GEOG 1000 World Regional Geography 3
- GEOG 1010 Introduction to Physical Geography 4
- HIST 1110 Western Civilization I 3
- HIST 1120 Western Civilization II 3
- HIST 1211 United States to 1865 3
- HIST 1221 United States from 1865 3
- HIST 1251 History of Wyoming 3
- POLS 1200 Non-Western Political Cultures 3
- POLS 2200 The Politics of Europe and the European Union 3
- POLS 2310 Intro to International Relations 3
- POLS 2410 Intro to Public Administration 3
- POLS 2460 Intro to Political Theory 3
- SOC 1000 Introduction to Sociology 3
- SOC 1100 Social Problems 3
- SOC 2200 Sociology of Human Sexuality 3
- SOC 2325 Marriage and Family 3
- SOC 2400 Criminology 3

Note: 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.

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

Associate of Science Degree
Mathematics - Secondary Education

For those who plan to teach high school mathematics. For complete degree requirements, see page 92.

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
- EDFD 2020 Foundations of Education
- EDFD 2100 Educational Psychology
- EDUC 2100 Public School Practicum
- ITEC 2360 Teaching with Technology
- PSYC 2300 Developmental Psychology
- PSYC 2360 Lifespan: Adulthood and Aging

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.

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.

Early Childhood Education

The curriculum in early childhood education 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 of young children. The recommended curriculum for associate of science and art degrees include a greater number of general education courses and are for students who are likely to enter baccalaureate programs in the areas of elementary education, early childhood education or child development. The recommended curriculum for the associate of applied science degree also contains many courses that may be applied to four-year programs but is primarily designed for students who are not planning to pursue a bachelor's degree.

Associate of Arts/Associate of Science Degree Early Childhood Education

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 8
   - MATH 1000 Problem Solving 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology 3
   - SOC 2325 Marriage and Family 3
   - Cultural environment 3
4. General Education Electives 1
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- EDEC 1020 Intro to Early Childhood Education 3
- EDEC 1030 Infant and Toddler Care. 2
- EDEC 1035 Infant and Toddler Care Lab 1
- EDEC 1100 Observation and Guidance of Young Children 2
- EDEC 1105 Observation and Guidance of Young Children Lab 1
- EDEC 1200 Administration in Early Childhood Programs 3
- EDEC 1300 Curriculum Planning and Development for Young Children 2
- EDEC 1305 Curriculum Planning and Development for Young Children Lab 1
- EDEC 2210 Student Teaching in Early Childhood Education 6
- FCSC 1141 Nutrition 3
- FCSC 2122 Child Development Lab 1
- HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED or Red Cross equivalent certification 33
- LIBS 2280 Literature for Children 3
- PSYC 2300 Developmental Psychology. 3
- Approved Elective 1

To obtain a degree in early childhood education all major educational coursework must be passed with a "C" or better.

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.

Associate of Applied Science Degree
Early Childhood Education
(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

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

1. Exploration and Participation
   - Lab Science . . . . . or
   - MATH 1000 Problem Solving or higher 3-4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - POLS 1000 American and Wyoming Government 3
   - SOC 1000 Introduction to Sociology 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- EDEC 1020 Intro to Early Childhood Education 3
- EDEC 1030 Infant and Toddler Care. 2
- EDEC 1035 Infant and Toddler Care Lab 1
- EDEC 1100 Observation and Guidance of Young Children 2
- EDEC 1105 Observation and Guidance of Young Children Lab. 1
- EDEC 1200 Administration in Early Childhood Programs. 3
- EDEC 1300 Curriculum Planning and Development for Young Children 2
- EDEC 1305 Curriculum Planning and Development for Young Children Lab. 1
- EDEC 2210 Student Teaching in Early Childhood Education 6
- FCSC 1141 Nutrition 3
- FCSC 2122 Child Development Lab. 1
- HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED or Red Cross equivalent certification 33
- LIBS 2280 Literature for Children 3
- PSYC 2300 Developmental Psychology. 3
- SOC 2325 Marriage and Family 3
- Approved Electives 9-10

To obtain a degree in early childhood education all major educational coursework must be passed with a "C" or better.

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

Government 3
PSYC 1000 General Psychology 3
PSYC 2300 Developmental Psychology. . . . 3
Cultural environment. 3

4. General Education Electives 2
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

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

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.

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 compliment 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.

ELAP 1510 Electrical I . . . . . 5 credits
ELAP 1520 Electrical II . . . . . 5 credits
ELAP 1530 Electrical III . . . . . 5 credits
ELAP 1540 Electrical IV . . . . . 5 credits
ELAP 1550 Electrical V . . . . . 5 credits
ELAP 1560 Electrical VI . . . . . 5 credits
ELAP 1570 Electrical VII . . . . . 6 credits
ELAP 1580 Electrical VIII . . . . . 6 credits
ELAP 1590 Electrical IX . . . . . 6 credits
ELAP 1600 Electrical X . . . . . 6 credits

For more information contact:
Casper College at 1-800-442-2963 extension 2459 or the Wyoming Electrical JATC office at 307-234-8311.

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.

ELAP 1515 Electrical I . . . . . 5 credits
ELAP 1525 Electrical II . . . . . 5 credits
ELAP 1535 Electrical III . . . . . 5 credits
ELAP 1545 Electrical IV . . . . . 5 credits
ELAP 1555 Electrical V . . . . . 5 credits
ELAP 1565 Electrical VI . . . . . 5 credits
ELAP 1575 Electrical VII . . . . . 5 credits
ELAP 1585 Electrical VIII . . . . . 5 credits

For more information on independent apprenticeship training contact:
Casper College at 1-800-442-2963 extension 2459.

ELECTRONICS

Faculty

Arndt, Blesi, M. Graham

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.

Associate of Applied Science Degree Electronics Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

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

1. Exploration and Participation (One course minimum)
2. Communication
   - Written or spoken communication 3
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- ELTR 1535 Electric Power 3
- ELTR 1570 Electrical Circuits 4
- ELTR 1605 Process Control 3
- ELTR 1620 Electrical Concepts Laboratory 1.5
- ELTR 1700 Introduction to Solid State Electronics 4
- ELTR 1750 Electronic Design and Fabrication 2
- ELTR 1760 Introduction to Digital Electronics 4.5
- ELTR 1770 Microprocessor Fundamentals 4.5
- ELTR 2600 Electronic Communications 4.5
- ELTR 2610 Advanced Microprocessors 3
- ELTR 2815 Programmable Logic Controllers 4
- ELTR 2870 CCD Cameras and Security Systems . . 2
- ELTR 2910 Computer Networking 2
- ELTR 2920 Small Computer Repair Techniques 3.5
- ELTR 2925 Fiber Optics 4

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

Associate of Applied Science Degree Manufacturing Technology

See Manufacturing Technology section for recommended curriculum.

Computer Electronics Certificate

(Certificate Requirements)

(30 credits minimum)

- ELTR 1750 Electronics Design and Fabrication 2
- ELTR 1760 Introduction to Digital Electronics 4.5
- ELTR 1770 Microprocessor Fundamentals 4.5
- ELTR 2610 Advanced Microprocessors 3
- ELTR 2870 CCD Cameras and Security Systems . . 2
- ELTR 2910 Computer Networking 2
- ELTR 2920 Small Computer Repair Techniques 3.5
- ELTR 2925 Fiber Optics 4

Optional Courses

- CMAP 1610 Windows I 2
- Approved Electives 3-4

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

Industrial Electronics Certificate

(Certificate Requirements)

(30 credits minimum)

- ELTR 1535 Electric Power 3
- ELTR 1570 Electric Circuits 4
- ELTR 1605 Process Control 3
- ELTR 1620 Electrical Concepts Lab 1.5
- ELTR 1700 Introduction to Solid State Electronics . . 4
- ELTR 1750 Electronic Design and Fabrication 2
- ELTR 1770 Microprocessor Fundamentals 4.5
- ELTR 2815 Programmable Logic Controllers 4
- ELTR 2925 Fiber Optics 4

Optional Courses

- DESL 1850 Basic Hydraulics 3
- ELTR 2910 Computer Networking 2

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

Manufacturing Technology Certificate

See Manufacturing Technology section for Certificate 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.

EMERGENCY MANAGEMENT

Faculty

Anderson

Associate of Applied Science Degree Emergency Management

This program prepares students for employment in the field of emergency services. Emergency management students can be employed by, but are not limited to, state, local, federal and international governments, business and industry, military installations, and health care facilities. Individuals in the fields of police, fire, and rescue are required to participate in emergency management continuing education.

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication
   - ENGL 1010 English I: Composition. 3
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above;
5. Physical Education 1

Major Requirements

CO/M 1505 Communication for Professional Success 1-3
EMGT 1500 Principles of Emergency Management 2
EMGT 1530 Emergency Planning 2
EMGT 1590 Leadership/Influence and Decision Making/Problem Solving 2
EMGT 1610 Incident Command System. 2
EMGT 1630 Emergency Operations Center/Operations 1
EMGT 1650 Resource Management 1
EMGT 1670 ICS/EPC Interface 1
EMGT 1810 Developing Volunteer Resources 1
EMGT 1820 Planning for Terrorism Events. . . . . or
EMGT 1830 Response to Mass Fatalities. 2
EMGT 2570 Basic Public Information Officer 1
EMGT 2610 Disaster Exercises 3
EMGT 2640 Disaster Resource and Recovery Operations 3
EMGT 2870 Mitigation Planning 2
Electives 21

A minimum of 64 approved semester credits are required for graduation.

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

ENGINEERING

Faculty

Knudson, Marquard

Associate of Science Degree
Engineering
(Recommended Curriculum)

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.

General Education (Minimum 32 credits) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (Minimum 24 credits)

- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- ES 1060 Engineering Computing 3
- ES 2110 Statics 3
- ES 2120 Dynamics 3
- MATH 2200 Calculus I 5
- MATH 2205 Calculus II 5
- MATH 2210 Calculus III 5
- PHYS 1310 College Physics I 4

All engineers must take two or more engineering science courses from the following:

- CE 2070 Engineering Surveying 3
- ES 2210 Engineering Circuit Theory 4
- ES 2310 Thermodynamics 4
- ES 2330 Fluid Dynamics 3
- ES 2410 Mechanics of Materials 3
- Electives 8

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

Faculty

Amelotte, Campbell, Hughes, Lareau, Moenkhaus, Rasmussen, Rodriguez, D. Sawyer, Young, Wendt, Zoby

Associate of Arts Degree
English

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- ENGL 2210 English Literature I 3
- ENGL 2310 American Literature I 3
- ENGL 2220 English Literature II . . . . . or
- ENGL 2320 American Literature II 3
- Writing course (2000-level or above) 3
- Three additional literature courses 9
- World language 8
- Communication Course. 3
- Any course from the following areas: 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 3

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

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- CO/M 2100 Reporting and Newswriting I . . . . . or
- CO/M 2355 Introduction to Media Photography . . . . or
- ENGL 2010 Technical Writing I 3
- ENGL 2050 Creative Writing: Fiction . . . . . or
- ENGL 2060 Creative Writing: Nonfiction . . . . . or
- ENGL 2080 Creative Writing: Poetry. 3
- ENGL 2210 English Literature I 3
- ENGL 2310 American Literature I 3
- ENGL 2220 English Literature II . . . . . or
- ENGL 2320 American Literature II 3
- One additional literature or writing course (above 2000 level) 3
- Communication 3
- World language 8
- Any course from the following areas: 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 3

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.

Associate of Arts Degree
English Majors

For those who plan to teach high school English

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above. 9-10
5. Physical Education 1

Major Requirements

- EDFD 2020 Foundations of Education 3
- EDFD 2100 Educational Psychology 3
- EDUC 2100 Public School Practicum 4
- ENGL 2210 English Literature I 3
- ENGL 2310 American Literature I 3
- ENGL 2220 English Literature II . . . . . or
- ENGL 2320 American Literature II 3
- One additional literature course 3
- World language 8
- Any course from the following areas: 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 3

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

Faculty

E. Brown, K. Deus, B. Mixer

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.

Associate of Science Degree Environmental Science

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (minimum 24 credits)

- BIOL 1010 General Biology I 4
- BIOL 2022 Animal Biology . . . . . or
- BIOL 2023 Plant and Fungal Biology . . . . . or
- MOLB 2210 General Microbiology 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- GEOG 1010 Introduction to Physical Geography . . or
- GEOL 1110 Physical Geology 4
- GEOG 1050 Introduction to Environment and Natural Resources 3
- GEOG 1080 Introduction to GPS and Maps 3
- GEOG 1100 Introduction to GIS 4
- MATH 1400 Pre-Calculus Algebra 4
- STAT 2050 Fundamentals of Statistics 5
- Electives 7

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

Water Quality Technology

The Water Quality Technology Program is offered as an outreach program. The courses listed are typically presented as workshops. The Associate of Applied Science in Water Quality Technology is intended for operators already employed in the field. A maximum of seven semester credits may be granted by Casper College for certificates awarded by the State of Wyoming Department of Environmental Quality Certification Office according to the following schedule:

Level	1	2	3	4
Credits	2	3	3	4

Credit will be awarded for one certificate in either water or wastewater treatment and one certificate in either collection or distribution systems.

These operational certificates are for those seeking employment and Wyoming DEQ licensure to become a certified water treatment and water distribution system operator. These certificates will provide entry level training in any of the aforementioned areas and provide education to help with passing or reviewing for state licensure exams. Credit will not be offered for state operators licenses held as in the degree program.

Associate of Applied Science Degree Water Quality Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

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

1. Exploration and Participation
   - CHEM 1025 Chemistry I 3
   - CHEM 1028 Chemistry Lab I 1
   - BIOL 1010 General Biology I . . . . . or
   - MOLB 2210 General Microbiology 4
   - MATH 1000 or higher 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition . . . . . or
   - ENGL 2010 Technical Writing I 3
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- CO/M 1010 Public Speaking 3
- COSC 1200 Computer Information Systems 3
- ENVT 1500 Applied Math for Operators 2
- ENVT 1510 Distribution Systems 3
- ENVT 1520 Collection System Operation/ Maintenance 3

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.

ENVT 1530 Trenching and Shoring 1
ENVT 1540 Confined Spaces 1
ENVT 1550 Safety in Water Quality 2
ENVT 1560 Water Treatment Plant Operation I 3
ENVT 1570 Wastewater Treatment Plant Operation I 3
ENVT 2510 Applied Math for Water Plant Operators 2
ENVT 2515 Applied Math for Wastewater Plant Operators 2
ENVT 2525 Water Treatment Plant Operation II 3
ENVT 2535 Wastewater Treatment Plant Operation II 3
ENVT 2980 Cooperative Work Experience 1-16
ENVT 2990 Special Topics 1-12
MGT 1000 Introduction to Supervision 2
MGT 2100 Principles of Management 3

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

Wastewater Collection System Operations Certificate

(Certificate Requirements)

General Education	Credits
ELTR 1545 Underground Utility Locating	2
ENVT 1500 Math for Operators	2
ENVT 1520 Collection Systems	3
ENVT 1530 Trenching and Shoring	1
ENVT 1540 Confined Space	1

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

Wastewater Treatment Plant Operations Certificate

(Certificate Requirements)

General Education	Credits
ENVT 1500 Math for Operators	2
ENVT 1520 Collection Systems	3
ENVT 1550 Confined Space	2
ENVT 1570 Wastewater Treatment Plant Oper. I	3
ENVT 2515 Applied Math for Wastewater Plant Operators	2

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

Water Distribution System Operations Certificate

(Certificate Requirements)

General Education	Credits
ELTR 1545 Utility Locator Certification	2
ENVT 1500 Applied Math for Operators	2
ENVT 1510 Distribution Systems	3
ENVT 1530 Trenching and Shoring	1
ENVT 1540 Confined Spaces	1

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

Water Treatment Plant Operations Certificate

(Certificate Requirements)

General Education	Credits
ENVT 1500 Applied Math for Operators	2
ENVT 1510 Distribution Systems	3
ENVT 1550 Safety in Water Quality	2
ENVT 1560 Water Treatment Plant Operation I	3
ENVT 2510 Applied Math for Water Plant Operators	2

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

EXTRACTIVE RESOURCES TECHNOLOGY

Faculty

Kreckel

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.

Associate of Applied Science Degree Extractive Resources Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements-Instrumentation Option

DESL 1850 Basic Hydraulics 3
ELTR 1535 Electrical Power 3
ELTR 1570 Electric Circuits 4
ELTR 1605 Process Control 3
ELTR 1620 Electrical Concepts Laboratory 1.5
ELTR 2815 Programmable Logic Control 4
ENVT 1600 Industrial Safety 4
EXTR 1500 Geology of Extractive Resources 3
EXTR 2510 Introduction to Well Drilling 3.5
EXTR 2520 Introduction to Well Logging 3
EXTR 2530 Oil and Gas Production 3.5
EXTR 2540 Petroleum Refining 3
GEOG 1080 Introduction to GPS and Maps 3
GEOL 2320 Petroleum Geology 3
HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
Approved electives 5

Major Requirements-Mapping Option

ENVT 1600 Industrial Safety 4
EXTR 1500 Geology of Extractive Resources 3
EXTR 2510 Introduction to Well Drilling 3.5
EXTR 2520 Introduction to Well Logging 3
EXTR 2530 Oil and Gas Production 3.5
EXTR 2540 Petroleum Refining 3
GEOG 1080 Introduction to GPS and Maps 3
GEOG 1100 Introduction to GIS 4
GEOG 1110 Management and Implementation of GIS 4
GEOG 2150 Map Use and Analysis 3
GEOL 2320 Petroleum Geology 3
HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
Approved electives 11

* Approved electives may be any other extractive resources, geology, geography or related areas.

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

Extractive Resources Technology Certificate

(Certificate Requirements)

General Education Credits

DESL 1850 Basic Hydraulics 3
ELTR 1515 Basic AC/DC Electronics 3
ELTR 1535 Electrical Power 3
ELTR 1605 Process Control 3
ELTR 2815 Programmable Logic Control 4
ENVT 1600 Industrial Safety 4
EXTR 1500 Geology of Extractive Resources 3
GEOG 1080 Introduction to GPS and Maps 3
*Approved electives 7

* Approved electives in extractive resources, electronics, or related areas.

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.

FIRE SCIENCE

Faculty

D. Anderson

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.

Associate of Applied Science Degree Fire Science Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (Minimum 30 credits fire science)

FIRE 1500 Introduction to Fire Science 3
FIRE 1510 Fire Fighting Strategy and Tactics I. 3
FIRE 1520 Fire Fighting Strategy and Tactics II 3
FIRE 1550 Causes and Investigation 3
FIRE 1570 Fire-Related Codes and Ordinances . . . 3
FIRE 1670 Basic Emergency Care/First Responder. 2
FIRE 1700 Fundamentals of Fire Prevention 3
FIRE 1760 Building Construction 3
FIRE 1810 Intro to Wildland Fire Fighting 3
FIRE 1830 Intermediate Wildland Fire Behavior . . . 3
FIRE 2525 Rescue Practices for the Fire Service . . 3
FIRE 2560 Apparatus and Procedures 3
FIRE 2570 Managing Fire Service 3
FIRE 2625 Advanced Rescue Practices 3
FIRE 2700 Supervisory Management. 3
Electives 14

A minimum of 64 approved semester credits are required for graduation. 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 3
FIRE 1510 Fire Fighting Strategy and Tactics I. 3
FIRE 1520 Fire Fighting Strategy and Tactics II 3
FIRE 1550 Causes and Investigation 3
FIRE 1570 Fire-Related Codes and Ordinances . . . 3
FIRE 1670 Basic Emergency Care/First Responder 2
FIRE 1700 Fundamentals of Fire Prevention 3
FIRE 1760 Building Construction 3
FIRE 1810 Intro to Wildland Fire Fighting 3
FIRE 1830 Intermediate Wildland Fire Behavior . . . 3
FIRE 2525 Rescue Practices for the Fire Service . . 3
FIRE 2560 Apparatus and Procedures 3
FIRE 2570 Managing Fire Service 3
FIRE 2625 Advanced Rescue Practices 3
FIRE 2700 Supervisory Management 3

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

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.

Associate of Arts/Associate of Science Degree General Studies

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements (Minimum 32 credits)

Credits

*General studies courses. 32

*Should be chosen in consultation with an academic advisor. Consider the requirements of the institution to which you will transfer, and your personal goals.

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

Faculty

Connely, G. Nelson, Sun

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.

Associate of Science Degree Geographic Information Systems

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements (minimum 32 credits)

Basic Skills: Students taking the GIS curriculum are expected to be proficient in basic computer skills. Proficiency can be demonstrated by documented work experience, transcripts from another institution, or by taking four credits from following:

- CMAP 1505 Introduction to Computers 1
- CMAP 1510 Computer Literacy 3
- CMAP 1610 Windows I 2

Core Requirements: must be taken by all GIS majors

- GEOG 1080 Introduction to GPS and Maps 3
- GEOG 1100 Introduction to GIS 4
- GEOG 1110 Management and Implementation of GIS. 4
- GEOG 2100 Advanced GIS 4
- GEOG 2150 Map Use and Analysis 3
- Electives (minimum) 14

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, CMAP 1815, COSC 1010, 1030, 2030, 2405, 2406, ES 1060, ENTK 1010, 1510, 2500, 2505, 2550, 1500, 2520, 2550, 2560, 2570, GEOG 1000, 1050, 2480, 2490, GEOL 1100, 2150, RETK 2500. Other courses in the departments listed above, BIOL and FIRE may be taken with advisor approval.

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

Certificate in Geographic Information Systems

Certificate Requirements (minimum 32 credits)

Basic Skills: Students taking the GIS curriculum are expected to be proficient in basic computer skills. Proficiency can be demonstrated by documented work experience, transcripts from another institution, or by taking four credits from following:

- CMAP 1505 Introduction to Computers 1
- CMAP 1510 Computer Literacy 3
- CMAP 1610 Windows I 2

Core Requirements: must be taken by all GIS majors

- GEOG 1080 Introduction to GPS and Maps 3
- GEOG 1100 Introduction to GIS (spring only). 4
- GEOG 1110 Management and Implementation of GIS. 4
- GEOG 2100 Advanced GIS 4
- GEOG 2150 Map Use and Analysis 3
- Electives (minimum) 14

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, CMAP 1815, COSC 1010, 1030, 2030, 2405, 2406, ES 1060, ENTK 1010, 1510, 2500, 2505, 2550, 1500, 2520, 2550, 2560, 2570, GEOG 1000, 1050, 2480, 2490, GEOL 1100, 2150, RETK 2500. Other courses in the departments listed above, BIOL and FIRE may be taken with advisor approval.

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.

GEOLOGY

Faculty

Connely, Sundell

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.

Associate of Science Degree
Geology

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) Credits

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

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

Major Requirements (Minimum 24 credits)

- BIOL 1000 Introduction to Biology I . . . . . or
- BIOL 1010 General Biology I 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- GEOL 1100 Physical Geology 4
- GEOL 1200 Historical Geology 4
- GEOL 2010 Mineralogy and Petrography 5
- GEOL 2100 Stratigraphy and Sedimentation 4
- GEOL 2050 Principles of Paleontology 3
- College mathematics, statistics, and/or computer science 8
- Electives 7

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

Faculty

Buettner-Price, M. Christiansen, R. Christiansen, Corkill, Dalen, Fichman, Gallagher, Hall, Hand, Hentzen, Hoff, Huber, R. Johnson, Kuck, Loucks, Madariaga, Madsen, Moline, Morrison, Neubert, Politte, Roumell, Sharman, Suhr, Taulealea, Thiel, Urquijo-Arana, Weaver, Wonser

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.

Associate of Science Degree Health Science

(Recommended Curriculum)

General Education: (Minimum of 32 credits) 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 3
   - *ZOO 2041 Human Anatomy Lab 1
   - *ZOO 2110 Human Physiology 4
   - *MATH 1000 Problem Solving . . . . . or
   - *MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - *ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - *PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (Minimum of 32 credits)

See individual health science program for option specific course suggestions. Additional courses of choice will need to be taken to complete the 32 hours of major requirements.

Pre-Nursing Option

ANTH 1200 Introduction to Cultural Anthropology . . . . . or
SOC 1000 Introduction to Sociology 3
*HLTK 1200 Medical Terminology 3
MOLB 2210 General Microbiology 4
NRST 1500 Nursing Assistant 4
Electives 15
TOTAL. 29

Pre-Occupational Therapy Assistant Option

ART 1000 General Art: Studio (Recommended) 3
CO/M 1030 Interpersonal Communication (Recommended) 3
OCTH 2000 Introduction to Occupational Therapy . . 2
Electives 24
TOTAL. 32

Pre-Pharmacy Technology Option

BOTK 1655 Keyboarding Speed and Accuracy 1
*CHEM 1005 Basic Chemistry I and 3
*CHEM 1006 Basic Chemistry I Lab 1
CMAP 1500 Computer Keyboarding 1
CMAP 1610 Windows I 2
CO/M 1030 Interpersonal Communication 3
*HLTK 1200 Medical Terminology 3
PHTK 1500 Introduction to Profession of Pharmacy 1
Electives 17
TOTAL. 32

Pre-Radiography Option

COSC 1200 Computer Information Systems 3
*HLTK 1200 Medical Terminology 3
SOC 1000 Introduction to Sociology . . . . . or
PSYC 1000 General Psychology 3
Electives 23
TOTAL. 32

Pre-Respiratory Therapy Option

*CHEM 1005 Basic Chemistry I . . . . . and
*CHEM 1006 Basic Chemistry I Lab . . . . . or
PHYS 1050 Concepts of Physics 4
*HLTK 1200 Medical Terminology 3
SOC 1000 Introduction to Sociology 3
Electives 22
TOTAL. 32

Recommended Allied Health Courses

HLTK 1350 The HIV/AIDS Epidemic 2
HLTK 1370 Issues in Women's Health 2
HLTK 1500 Intro to Health Care Services 2
HLTK 1520 Non-Health Care Provider Medical Terminology 1
HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
HLTK 1975 Spanish for Health Care Workers. 3
HLTK 2400 Complementary and Alternative Therapies in Nursing 3

*Prerequisite for specific program. Please see specific program for prerequisite requirements.

DISCLAIMER: Completion of the health science degree does not guarantee admission to a specific program.

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

Faculty

Lovercheck-Saunders

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.

Associate of Arts Degree History

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

- HIST 1110 Western Civilization I. 3
- HIST 1120 Western Civilization II 3
- HIST 1211 United States to 1865 3
- HIST 1221 United States from 1865 3
- HIST 1251 History of Wyoming. 3
- World language (all in same language). 8
- Electives 9

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

Associate of Applied Science Degree Hospitality Management

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

Major Requirements

- ACCT 1905 Practical Accounting I . . . . . or
- ACCT 2010 Principles of Accounting I 4
- BADM 2010 Business Law I 3
- BADM 2340 Business Organizations and Government Regulations . . . . . or
- BADM 2350 Commercial Law 3
- HOSP 1520 Introduction to Hotel-Motel Management Industry 3
- HOSP 1540 Front Office Procedures 3
- HOSP 1560 Convention Sales and Management . . . 3
- HOSP 1570 Human Resource Hospitality Management 2-3
- HOSP 1580 Customer Service and Conflict Resolution 3
- HOSP 2980 Cooperative Work Experience (Hospitality) or electives 1-9
- IMGT 2400 Intro to Information Management 3
- MGT 2100 Principles of Management. 3
- MGT 2150 Leadership 3
- MGT 2320 Food and Beverage Management. 3
- MGT 2330 Food and Beverage Service 3
- MKT 1000 Sales 3
- MKT 2100 Principles of Marketing 3

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

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 Credits

- BADM 1005 Business Mathematics I 3
- BADM 1020 Business Communications 3
- ENGL 1010 English I: Composition. 3

Major Requirements

- ACCT 1905 Practical Accounting I . . . . . or
- ACCT 2010 Principles of Accounting I 4
- BADM 1000 Introduction to Business 3
- HOSP 1570 Human Resource Hospitality Management 3
- HOSP 2535 Planning and Control for Food and Beverage Operations 3
- HOSP 2540 Bar and Beverage Management 3
- HOSP 2980 Cooperative Work Experience (Hospitality Management) 3
- MGT 2330 Food and Beverage Service 3
- Electives 1

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 - 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	Credits
BADM 1005 Business Mathematics I	3
BADM 1020 Business Communications	3
ENGL 1010 English I: Composition	3

Major Requirements

ACCT 1905 Practical Accounting I	or
ACCT 2010 Principles of Accounting I	4
BADM 1000 Introduction to Business	3
HOSP 1520 Introduction to the Hotel-Motel Management Industry	3
HOSP 1570 Human Resource Hospitality Management	3
HOSP 2600 Leadership and Management in the Hospitality Industry	3
HOSP 2620 Training and Development for the Hospitality Industry	3
HOSP 2980 Cooperative Work Experience (Hospitality Management)	3
Electives	1

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	Credits
BADM 1005 Business Mathematics I	3
BADM 1020 Business Communications	3
ENGL 1010 English I: Composition	3

Major Requirements

ACCT 1905 Practical Accounting I	or
ACCT 2010 Principles of Accounting I	4
BADM 1000 Introduction to Business	3
HOSP 1520 Introduction to Hotel-Motel Management Industry	3
HOSP 1560 Convention Sales and Management	3
HOSP 1570 Human Resource Hospitality Management	3
HOSP 2520 Marketing of Hospitality Services	3
HOSP 2980 Cooperative Work Experience (Hospitality Management)	3
Electives	1

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.

INTERNATIONAL STUDIES

Faculty

E. Frankland

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.

Associate of Arts Degree International Studies

(Recommended Curriculum)

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.

General Education (Minimum 32 credits) 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) 8
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - POLS 1000 American and Wyoming Government 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ANTH 1200 Intro to Cultural Anthropology 3
ECON 1010 Macroeconomics. 3
GEOG 1000 World Regional Geography 3
HIST 1110 Western Civilization I . . . . . or
HIST 1120 Western Civilization II . . . . . or
HIST 1221 United States from 1865 3
POLS 1200 Non-Western Political Cultures 3
POLS 2200 The Politics of Europe and the European Union . . . . . or
POLS 2310 Introduction to International Relations. 3
SOC 1000 Introduction to Sociology. 3
World language 8
Electives 3

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

Associate of Arts Degree
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.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- Communication. 3
- PHIL 2300 Ethics in Practice . . . . . or
- PHIL 2420 Critical Thinking. 3
- Literature. 6
- World language. 8
- *Electives 12

* 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.

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

Faculty

McCool

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.

Associate of Applied Science Degree Machine Tool Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ENTK 1510 Drafting I 4
MCHT 1570 Machine Trades Computations 2
MCHT 1640 Basic Machining Practice 10
MCHT 1650 Intermediate Machining Practice 10
MCHT 1680 Blue Print Reading 2
MCHT 1980 Cooperative Work Experience . . . . . or
MCHT 2650 Advanced Machining Practice 9
MCHT 2780 Computer Numerical Control (CNC) Machining Center 4
MCHT 2790 Computer Numerical Control (CNC) Turning Center 4
MCHT 2800 Computer Assisted Manufacturing 3
WELD 1700 General Welding 2
WELD 1820 GMAW and GTAW Welding 2
WELD 2680 Welding Metallurgy 3

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

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

Machine Tool Technology Certificate

(Certificate Requirements)

CMAP 1500 Computer Keyboarding 1
ENTK 1510 Drafting I 4
MCHT 1570 Machine Trades Computations 2
MCHT 1640 Basic Machining Practice 10
MCHT 1650 Intermediate Machining Practice 10
MCHT 1680 Blueprint Reading 2
MCHT 2780 Computer Numerical Control (CNC) Machining Center . . . . . or
MCHT 2790 Computer Numerical Control (CNC) Turning Center 4
WELD 1700 General Welding 2
WELD 1820 GMAW and GTAW Welding 2
WELD 2680 Welding Metallurgy 3
Total 40

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

Faculty

Graham, Miller, McCool

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.

Associate of Applied Science Degree Manufacturing Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) 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 3
2. Communication (One course minimum) 3
3. Relationship with the World (One course minimum)
   POLS 1000 American and Wyoming Government 3
4. General Education Electives
   Must be chosen from areas 1, 2, or 3 above. 7
5. Physical Education 1

Major Requirements

CMAP 1750 Spreadsheet Applications I 1
ENTK 1510 Drafting I 4
ENTK 1650 Mechanical Drafting and Design I 4
ENTK 2510 CAD-3D Modeling 4
MCHT 1640 Basic Machining Practice 10
MCHT 2780 Computer Numerical Control (CNC) Machining Center 4
MCHT 2790 Computer Numerical Control (CNC) Turning Center 4
MCHT 2800 Computer Assisted Manufacturing 3
WELD 1700 General Welding 2.5
WELD 1820 GMAW/GTAW Welding 2.5
WELD 1910 Specialized Welding and Jointing 3
WELD 2680 Welding Metallurgy 3
*Electives 3

*Electives must be chosen from courses in the following programs: machine tool technology, welding, or robotics.

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

Manufacturing Technology Certificate

Certificate Requirements (Minimum 30 Credits)

ENTK 1510 Drafting I 4
ENTK 1650 Mechanical Drafting and Design I 4
ENTK 2510 CAD-3D Modeling 4
MCHT 1640 Basic Machining Practice 10
MCHT 2780 Computer Numerical Control (CNC) Machining Center 4
MCHT 2790 Computer Numerical Control (CNC) Turning Center 4
MCHT 2800 Computer Assisted Manufacturing 3
WELD 1700 General Welding 2.5
WELD 1820 GMAW/GTAW Welding 2.5
WELD 1910 Specialized Welding and Jointing 3
WELD 2680 Welding Metallurgy 3
*Electives in Machine Tool, Welding, or Robotics . . . 3

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

MARKETING

Associate of Science Degree
Marketing

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1400 Pre-Calculus Algebra 4
   - STAT 2050 Fundamentals of Statistics . . . . . or
   - STAT 2070 Introductory Statistics for Social Science 5
2. Communication
   - CO/M 1010 Public Speaking 3
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- ACCT 2010 Principles of Accounting I 4
- ACCT 2020 Principles of Accounting II 4
- BADM 2010 Business Law I 3
- IMGT 2400 Intro to Information Management 3
- MGT 2100 Principles of Management 3
- MKT 1300 Advertising 3
- MKT 2100 Principles of Marketing 3
- MKT 2200 Consumer Behavior 3

In addition, select 6 credits from the list below:

- BADM 1000 Introduction to Business 3
- BADM 2040 e-commerce 3
- BADM 2195 Entrepreneurship 3
- MKT 1000 Sales 3
- MKT 1100 Retailing 3

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

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

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 Credits

- CO/M 1030 Interpersonal Communication 3
- ENGL 1010 English I: Composition 3

Major Requirements

- ACCT 1905 Practical Accounting I . . . . . or
- ACCT 2010 Principles of Accounting I 4
- BADM 1000 Introduction to Business . . . . . or
- MGT 2100 Principles of Management 3
- BADM 1005 Business Mathematics I 3
- BADM 1020 Business Communications 3
- BADM 2010 Business Law I 2
- MKT 1000 Sales 3
- MKT 1300 Advertising 3
- MKT 2100 Principles of Marketing 3
- MKT 2200 Consumer Behavior 3

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

Associate of Applied Science Degree
Retail Merchandising

See Business section for recommended curriculum.

Retail Management Certificate

See Business section for recommended curriculum.

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

Faculty

Arnold, N. DeSalvo, Ginsbach, Hollister, Jacobs, Kuhlman, McDermott, McIntyre, S. Nelson, Nickodemus, Stewart, Swedberg

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.

When a combination of mathematics courses is completed, the total number of semester credits applicable toward an associate of arts degree, and associate of science degree, or an associate of business degree is shown in the following table:

Group	Credit
A. MATH 0900, 0920, 0930, 1400, and 1510	4
B. Any or all of Group A and MATH 1450	5
C. Any or all of Group A and MATH 1405	7
D. Any or all of Group B and MATH 1405	7

Full credit will be given for degree credit for combinations of mathematics courses not listed in the above table.

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.

Associate of Science Degree Mathematics

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 . . . 3
   - ENGL 1020 English II: Composition . . . 3
3. Relationship with the World
   - Human behavior . . . 3
   - U.S. and Wyoming constitutions . . . 3
   - Cultural environment . . . 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education . . . 1

Major Requirements (Minimum 24 credits)

- MATH 2200 Calculus I . . . 5
- MATH 2205 Calculus II . . . 5
- MATH 2210 Calculus III . . . 5
- MATH 2250 Linear Algebra . . . 3
- COSC 2300 Introduction to Discrete Structures . . . or
- MATH 2310 Applied Differential Equations I . . . 3
- Laboratory sciences . . . 8
- Electives . . . 18

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

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

Associate of Science Degree Mathematics - Secondary Education

For those who plan to teach high school mathematics

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science . . . 4
   - Math requirement included in the major requirements.
2. Communication
   - ENGL 1010 English I: Composition . . . 3
   - ENGL 1020 English II: Composition . . . 3
3. Relationship with the World
   - PSYC 1000 General Psychology . . . 3
   - U.S. and Wyoming constitutions . . . 3
   - Cultural environment . . . 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education . . . 1

Major Requirements

- COSC 1010 Introduction to Computer Science . . . 4
- EDEX 2484 Introduction to Special Education . . . 3
- EDFD 2020 Foundations of Education . . . 3
- EDFD 2100 Educational Psychology . . . 3
- EDUC 2100 Public School Practicum . . . 4
- ITEC 2360 Teaching with Technology . . . 3
- MATH 2200 Calculus I . . . 5
- MATH 2205 Calculus II . . . 5
- MATH 2210 Calculus III . . . 5
- MATH 2250 Elementary Linear Algebra . . . 3
- PSYC 2300 Developmental Psychology . . . 3
- PSYC 2360 Lifespan: Adulthood and Aging . . . 1
- STAT 2050 Fundamentals of Statistics . . . 5

To obtain a degree in mathematics majors, a student must obtain a grade of "C" or better in all major 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

Faculty

Program Director: A. Hentzen, Ph.D., MLS (ASCP)^{CM}
Instructor: B. Madsen, MS., MLS (ASCP)^{CM}

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

Associate of Science Degree Medical Laboratory Technician

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - SOC 1000 Introduction to Sociology 3
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment 3
4. General Education Electives
   Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- BIOL 1000 Introduction to Biology I . . . . . or
- BIOL 1010 General Biology 4
- CHEM 1005 Basic Chemistry . . . . . 3 and
- CHEM 1006 Basic Chemistry Lab. . . . . 1 or
- CHEM 1025 Chemistry I . . . . . 3 and
- CHEM 1028 Chemistry Laboratory I 1
- MATH 1000 Problems Solving . . . . . 3 or
- MATH 1400 Pre-Calculus Algebra 4
- CMAP 1505 Introduction to Computers 1
- MLTK 1500 Clinical Hematology and Hemostasis . . 3
- MLTK 1600 Clinical Immunohematology. 3
- MLTK 1700 Microscopy: UA and Body Fluids 2
- MLTK 1800 Principles of Phlebotomy 3
- MLTK 1970 Phlebotomy Practicum. 3
- MLTK 2500 Clinical Chemistry 3
- MLTK 2600 Clinical Microbiology 2
- MLTK 2700 Immunology 4
- MLTK 2971 Clinical Practicum: Hemotology 2
- MLTK 2972 Clinical Practicum: Chemistry 2
- MLTK 2973 Clinical Practicum: Immunohematology. 2
- MLTK 2974 Clinical Practicum: Microbiology 2
- MLTK 2976 Clinical Practicum: Serology 1
- MLTK 2977 Clinical Practicum: UA and Body Fluids. 1
- MOLB 2210 General Microbiology 4
- MOLB 2220 Pathogenic Microbiology. 4

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.

A minimum of 71 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

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 1
- CO/M 1505 Communication for Professional Success 3
- MLTK 1800 Principles of Phlebotomy 3
- MLTK 1970 Phlebotomy Practicum. 3
- SOC 1000 Introduction to Sociology 3

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

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.

Academic Music Faculty

Baker, Bull, Burger, Cowell-DePaolo, Fleg, Lenth, Mehta, Patton

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 [www.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 [www.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).

Music Ensemble Faculty

Bull, Cowell-DePaolo, Lenth, Mehta, Patton

Music Ensembles

MUSC 1378 College Band
MUSC 1384 Marimba Ensemble
MUSC 1388 Jazz Combo
MUSC 1390 Jazz Ensemble
*MUSC 1400 Collegiate Chorale
MUSC 1406 Women's Choir
MUSC 1408 Men's Choir
*MUSC 1410 Vocal Ensemble
*MUSC 1420 Opera Workshop
MUSC 1440 Chamber Orchestra
MUSC 1450 Percussion Ensemble
MUSC 1460 Brass Ensemble
MUSC 1470 Saxophone Ensemble
MUSC 1470 Clarinet Ensemble
MUSC 1470 Flute Ensemble
MUSC 1480 Guitar Ensemble

* Audition required.

Music Studio Faculty

Bull, Cowell-DePaolo, Fleg, Lenth, Mehta

The following courses will provide 30- or 60-minute weekly private instruction in the specific instrument. Majors attend studio classes and perform a final jury.

Students who enroll in music studio are responsible for scheduling lessons with the instructor within the first five days of each semester.

MUSC 1080 Studio: Baritone Horn I . . . . . (1-2CR) (Max. 8)
MUSC 1090 Studio: Bassoon I . . . . . (1-2CR) (Max. 8)
MUSC 1100 Studio: Cello I . . . . . (1-2CR) (Max. 8)
MUSC 1110 Studio: Clarinet I . . . . . (1-2CR) (Max. 8)
MUSC 1120 Studio: Double Bass I . . . . . (1-2CR) (Max. 8)
MUSC 1130 Studio: Flute I . . . . . (1-2CR) (Max. 8)
MUSC 1140 Studio: French Horn I . . . . . (1-2CR) (Max. 8)
MUSC 1150 Studio: Guitar I . . . . . (1-2CR) (Max. 8)
MUSC 1160 Studio: Harp I . . . . . (1-2CR) (Max. 8)
MUSC 1170 Studio: Oboe I. . . . . (1-2CR) (Max. 8)
MUSC 1180 Studio: Organ I . . . . . (1-2CR) (Max. 8)
MUSC 1190 Studio: Percussion I . . . . . (1-2CR) (Max. 8)
MUSC 1200 Studio: Piano I . . . . . (1-2CR) (Max. 8)
MUSC 1210 Studio: Saxophone I . . . . . (1-2CR) (Max. 8)
MUSC 1220 Studio: Trombone I . . . . . (1-2CR) (Max. 8)
MUSC 1230 Studio: Trumpet I . . . . . (1-2CR) (Max. 8)
MUSC 1240 Studio: Tuba I . . . . . (1-2CR) (Max. 8)
MUSC 1250 Studio: Violin I. . . . . (1-2CR) (Max. 8)
MUSC 1260 Studio: Viola I . . . . . (1-2CR) (Max. 8)
MUSC 1270 Studio: Voice I. . . . . (1-2CR) (Max. 8)

The following courses will provide 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.

MUSC 2080 Studio: Baritone Horn II . . . . . (1-2CR) (Max. 8)
MUSC 2090 Studio: Bassoon II . . . . . (1-2CR) (Max. 8)
MUSC 2100 Studio: Cello II . . . . . (1-2CR) (Max. 8)
MUSC 2110 Studio: Clarinet II . . . . . (1-2CR) (Max. 8)
MUSC 2120 Studio: Double Bass II . . . . . (1-2CR) (Max. 8)
MUSC 2130 Studio: Flute II . . . . . (1-2CR) (Max. 8)
MUSC 2140 Studio: French Horn II . . . . . (1-2CR) (Max. 8)
MUSC 2150 Studio: Guitar II. . . . . (1-2CR) (Max. 8)
MUSC 2160 Studio: Harp II. . . . . (1-2CR) (Max. 8)
MUSC 2170 Studio: Oboe II . . . . . (1-2CR) (Max. 8)
MUSC 2180 Studio: Organ II . . . . . (1-2CR) (Max. 8)
MUSC 2190 Studio: Percussion II. . . . . (1-2CR) (Max. 8)
MUSC 2200 Studio: Piano II . . . . . (1-2CR) (Max. 8)
MUSC 2210 Studio: Saxophone II . . . . . (1-2CR) (Max. 8)
MUSC 2220 Studio: Trombone II . . . . . (1-2CR) (Max. 8)
MUSC 2230 Studio: Trumpet II . . . . . (1-2CR) (Max. 8)
MUSC 2240 Studio: Tuba II . . . . . (1-2CR) (Max. 8)

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.

MUSC 2250 Studio: Violin II . . . . . (1-2CR) (Max. 8)
MUSC 2260 Studio: Viola II . . . . . (1-2CR) (Max. 8)
MUSC 2270 Studio: Voice II . . . . . (1-2CR) (Max. 8)

Associate of Arts Degree Music

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.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

MUSC 0200 Music Convocation (each semester) . . 0
MUSC 1020 Introduction to Music Technology 1
MUSC 1030 Written Theory I 3
MUSC 1035 Aural Theory I. 1
MUSC 1040 Written Theory II. 3
MUSC 1045 Aural Theory II 1
MUSC 1300 Class Piano I 1
MUSC 1301 Class Piano II. 1
MUSC 2030 Written Theory III 3
MUSC 2035 Aural Theory III. 1
MUSC 2040 Written Theory IV 3
MUSC 2045 Aural Theory IV. 1
MUSC 2050 Music History Survey I 3
MUSC 2055 Music History Survey II. 3
MUSC 2302 Class Piano III 1
MUSC 2303 Class Piano IV 1
MUSC 2395 Piano Proficiency Exam 0
MUSC 1xxx Music Studio:. 2
MUSC 2xxx Music Studio 2
Major ensemble. 4

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

Associate of Arts Degree In Musical Theater

See theater and dance section for recommended curriculum.

Associate of Fine Arts Degree
Music Education
Instrumental Music Performance
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.

(Recommended Curriculum)

General Education (Minimum 17 credits) 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 3-4
   - Science
   - Mathematics
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World. 3-4
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives 6-7
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

The major requirements for the AFA-Music Education, AFA-Instrumental Music Performance, and AFA-Vocal Music Performance are listed below and on the following page. The coursework for each degree includes the general education requirements listed above, plus the following credits.

Major Requirements – Music Education (51 credits)

EDFD 2020 Foundations of Education 3
EDFD 2100 Educational Psychology 3
MUSC 0200 Convocation (each semester, min. 4). . 0
MUSC 1020 Introduction to Music Technology 1
MUSC 1025 Introduction to Music Education 2
MUSC 1030 Written Theory I 3
MUSC 1035 Aural Theory I. 1
MUSC 1040 Written Theory II. 3
MUSC 1045 Aural Theory II 1
MUSC 1300 Class Piano I 1
MUSC 1301 Class Piano II. 1
MUSC 1310 Public School Methods: Brass I 1
MUSC 1315 Public School Methods: Brass II. 1
MUSC 1330 Public School Methods: Strings I 1
MUSC 1335 Public School Methods: Strings II. 1
MUSC 2030 Written Theory III 3

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.

MUSC 2035 Aural Theory III 1
MUSC 2040 Written Theory IV 3
MUSC 2045 Aural Theory IV 1
MUSC 2050 Music History Survey I 3
MUSC 2055 Music History Survey II 3
MUSC 2302 Class Piano III 1
MUSC 2303 Class Piano IV 1
MUSC 2395 Piano Proficiency Exam 0
MUSC 1xxx Music Studio: 2
MUSC 2xxx Music Studio 2
Major ensemble 4
If vocal emphasis, add these four credits:
MUSC 2320 Diction for Singers I 2
MUSC 2325 Diction for Singers II 2

Major Requirements –
Instrumental Music Performance (43 credits)

MUSC 0200 Music Convocation (each semester) . . 0
MUSC 1020 Introduction to Music Technology 1
MUSC 1030 Written Theory I 3
MUSC 1035 Aural Theory I 1
MUSC 1040 Written Theory II 3
MUSC 1045 Aural Theory II 1
MUSC 1300 Class Piano I 1
MUSC 1301 Class Piano II 1
MUSC 2030 Written Theory III 3
MUSC 2035 Aural Theory III 1
MUSC 2040 Written Theory IV 3
MUSC 2045 Aural Theory IV 1
MUSC 2050 Music History Survey I 3
MUSC 2055 Music History Survey II 3
MUSC 2302 Class Piano III 1
MUSC 2303 Class Piano IV 1
MUSC 2395 Piano Proficiency Exam 0
MUSC 1xxx Music Studio, major instrument 4
MUSC 2xxx Music Studio, major instrument 4
Major ensemble, instrumental 4
MUSC Recommended Elective 3
(World Music, Rock History, or Jazz History)

Major Requirements –
Vocal Music Performance (47 credits)

MUSC 0200 Music Convocation (each semester) . . 0
MUSC 1020 Introduction to Music Technology 1
MUSC 1030 Written Theory I 3
MUSC 1035 Aural Theory I 1
MUSC 1040 Written Theory II 3
MUSC 1045 Aural Theory II 1
MUSC 1300 Class Piano I 1
MUSC 1301 Class Piano II 1
MUSC 1400 Collegiate Chorale (each sem., min. 4) 4
MUSC 2030 Written Theory III 3
MUSC 2035 Aural Theory III 1
MUSC 2040 Written Theory IV 3
MUSC 2045 Aural Theory IV 1
MUSC 2050 Music History Survey I 3
MUSC 2055 Music History Survey II 3
MUSC 2302 Class Piano III 1
MUSC 2303 Class Piano IV 1
MUSC 2320 Diction for Singers I 2
MUSC 2325 Diction for Singers II 2
MUSC 2395 Piano Proficiency Exam 0
MUSC 1270 Music Studio: Voice I 1
MUSC 1270 Music Studio: Voice I 2
MUSC 2270 Music Studio: Voice II 4
Major ensemble, choral 4
MUSC Recommended Elective 3
(world music, rock history, or jazz history)

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

Faculty

Buettner-Price, Christiansen, Corkill, Fichman, Gallagher, Hall, Huber, Loucks, Madariaga, Politte, Suhr, Taulealea, Urquijo-Arana

Director of Nursing Program: Heather Huber, MS, RN, CNE

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:

National League for Nursing Accrediting Commission (NLNAC)
3343 Peachtree Road, NE
Suite 500
Atlanta, GA 30326
1-404-975-5000

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 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 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.

Associate Degree Nursing

This two-year program is approved by the Wyoming State Board of Nursing and accredited by the National League for Nursing Accrediting Commission. Graduates of this program are eligible to take the examination for licensure as registered nurses.

Associate of Applied Science Degree Nursing

(Recommended Curriculum)

General Education (Minimum 17 credits) 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 4
   - ZOO 2040 Human Anatomy 3
   - ZOO 2041 Human Anatomy Lab 1
   - ZOO 2110 Human Physiology 4
2. Communication
   - ENGL 1010 English I: Composition and
   - ENGL 1020 English II: Composition 6
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - SOC 1000 Introduction to Sociology . . . . . or
   - ANTH 1200 Introduction to Cultural Anthropology 3
   - U.S. and Wyoming constitutions 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- HLTK 1200 Medical Terminology 3
- NRST 1605 Issues in Nursing Practice 1
- *NRST 1610 Fundamentals of Nursing 7
- **NRST 1615 Nursing Process I 3
- **NRST 1625 Nursing Process II 8
- NRST 1630 Nursing Process and the Childbearing Family 2
- ***NRST 2635 Nursing Process III 9
- ***NRST 2645 Nursing Process IV 9
- NRST 2960 Nursing Role Exploration 1

* Two hours classroom, 12 hours laboratory
**Four hours classroom, 12 hours laboratory
*** Four hours classroom, 15 hours laboratory

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

Associate of Science Degree Nursing (optional)

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
   - MOLB 2210 General Microbiology 4
   - ZOO 2040 Human Anatomy 3
   - ZOO 2041 Human Anatomy Lab 1
   - ZOO 2110 Human Physiology 4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - SOC 1000 Introduction to Sociology . . . . . or
   - ANTH 1200 Introduction to Cultural Anthropology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- HLTK 1200 Medical Terminology 3
- NRST 1605 Issues in Nursing Practice 1
- **NRST 1610 Fundamentals of Nursing 7
- *NRST 1615 Nursing Process I 3
- **NRST 1625 Nursing Process II 8
- NRST 1630 Nursing Process and the Childbearing Family 2
- ***NRST 2635 Nursing Process III 9
- ***NRST 2645 Nursing Process IV 9
- NRST 2960 Nursing Role Exploration 1

* Four hours classroom, 12 hours laboratory
**Two hours classroom, 12 hours laboratory
***Four hours classroom, 15 hours laboratory

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.

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 two years, 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 2040/2041 (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 college grade point average of 2.5 or higher for admission, progression, or readmission.
10. Test of Essential Skills (TEAS V ®) is required as part of the application process.
11. An essay is required for application. Essay requirements:
    a. Topic is: "Why I want to be a nurse."
    b. Double-spaced, any typical font.
    c. 500 words or less.
    d. Do not use outside sources.
    e. Identifying information should only be on a separate cover sheet
        1. It will be removed to maintain anonymity.
        2. The essay will be reattached to the application packet after points have been awarded by a third party.
    f. Proven plagiarism is grounds for application denial.
12. Students are admitted twice a year.
13. Withdrawal from one or more courses without advisor input may delay program admission and/or progression.
14. There are several requirements (vaccinations, health exam, etc...) the first semester nursing students must meet. For specific information, see the academic assistant.
15. 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 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 the nursing program;
5. Complete fingerprinting during the first semester of the 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 nursing, 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 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. Letter grade is based on nursing department standards.
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 May 1 for fall admission, and November 2 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.

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:
   a. 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.
   b. The second is a departmental math competency exam which takes about one-half hour and is free.
   c. 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.

Licensed Practical Nursing Certificate

(Certificate Requirements)

General Education	Credits
ENGL 1010 English I: Composition	3
PSYC 1000 General Psychology	3
SOC 1000 Introduction to Sociology	or
ANTH 1200 Introduction to Cultural Anthropology	3
ZOO 2040 Human Anatomy	3
ZOO 2041 Human Anatomy Lab	1
ZOO 2110 Human Physiology	4

Major Requirements

HLTK 1200 Medical Terminology	3
NRST 1605 Issues in Nursing Practice	1
NRST 1610 Fundamentals of Nursing	7
NRST 1615 Nursing Process I	3
NRST 1625 Nursing Process II	8
NRST 1630 Nursing Process and the Childbearing Family	2
NRST 1970 Practical Nursing Roles and Practicum	3

* Enrollment limited to nursing majors.

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.

NUTRITION

Faculty

Deus

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.

Associate of Science Degree
Nutrition

(Recommended Curriculum)

General Education (Minimum 32 hours) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human Behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above..
5. Physical Education 1

Major Requirements

AGEC 1010 Agriculture Economics . . . . . or
ECON 1010 Macroeconomics. 3
AGRI 1010 Computers in Agriculture . . . . . or
COSC 1200 Computer Information Systems 2-3
BIOL 1000 Introduction to Biology I . . . . . or
BIOL 1010 General Biology I 4
CHEM 1025 Chemistry I 3
CHEM 1028 Chemistry Laboratory I 1
CHEM 2300 Introductory Organic Chemistry 4
CO/M 1010 Public Speaking 3
FCSC 1141 Principles of Nutrition. 3
FCSC 1150 Scientific Study of Food 3
MATH 1400 Pre-Calculus Algebra 4
PSYC 1000 General Psychology 3
SOC 1000 Introduction to Sociology . . . . . or
SOC 1100 Social Problems. 3
Electives as indicated by the advisor

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.

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

OCCUPATIONAL THERAPY ASSISTANT

Faculty

Program Director: M. Wonser, OTR/L, MSOT
Clinical Instructor: C. Hoff, OTR/L, MSOT
Instructor: S. Morrison, OTR/L, MSOT

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:
Marla J. Wonser, OTR/L, MSOT
Director, Occupational Therapy Assistant Program
Phone: 307-268-2867
E-mail: mwonser@caspercollege.edu

Associate of Science Degree
Occupational Therapy Assistant
(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ZOO 2040 Human Anatomy 3
   - ZOO 2041 Human Anatomy Lab. 1
   - ZOO 2110 Human Physiology 4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives 5
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- OCTH 2000 Intro to Occupational Therapy. 2
- COTA 2020 Human Occupations and Life Roles . . . 2
- COTA 2100 Psychosocial Aspects 3
- COTA 2150 Group Dynamics 1
- COTA 2160 Leadership Skills 2
- COTA 2200 Therapeutic Approaches and Media I . . 2
- COTA 2210 Therapeutic Approaches and Media II. . 2
- COTA 2220 Therapeutic Approaches and Media III . 3
- COTA 2300 Fieldwork Integration I. 2
- COTA 2310 Fieldwork Integration II 1
- COTA 2320 Fieldwork Integration III. 1
- COTA 2330 Fieldwork Integration IV. 1
- COTA 2350 Clinical Theory and Practice I 3
- COTA 2400 Clinical Theory and Practice II 3
- COTA 2420 Clinical Conditions. 3
- COTA 2450 Health Care Systems. 3
- COTA 2500 Fieldwork A 3
- COTA 2550 Fieldwork B 3
- COTA 2600 Fieldwork Options 1-3
- KIN 2050 Functional Kinesiology 3

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.

Suggested Curriculum Sequence

Fall I

ENGL 1010 English I: Composition	3
COTA 2300 Fieldwork Integration I	2
OCTH 2000 Intro to Occupational Therapy	2
PSYC 1000 General Psychology	3
ZOO 2040 Human Anatomy	3
ZOO 2041 Human Anatomy Lab	1
Elective-General Education	2
Total credits	**16**

Spring I

COTA 2020 Human Occupations and Life Roles	2
COTA 2200 Therapeutic Approaches and Media I	2
COTA 2310 Fieldwork Integration II	1
Humanities (Suggested: ART 1000)	3
KIN 2050 Kinesiology	3
ZOO 2110 Human Physiology	4
Elective	1
Total credits	**16**

Summer I

COTA 2150 Group Dynamics	1
COTA 2420 Clinical Conditions	3
ENGL 1020 English II: Composition	3
Total credits	**7**

Fall II

COTA 2100 Psychosocial Aspects	3
COTA 2160 Leadership Skills	2
COTA 2210 Therapeutic Approaches and Media II	2
COTA 2320 Fieldwork Integration III	1
COTA 2350 Clinical Theory and Practice I	3
MATH 1000 Problem Solving	3
Elective-General Education	3
Total credits	**16**

Spring II

COTA 2220 Therapeutic Approaches and Media III	3
COTA 2330 Fieldwork Integration IV	1
COTA 2400 Clinical Theory and Practice II	3
COTA 2450 Health Care Systems	3
POLS 1000 American and Wyoming Government	3
PEAC Physical education class	1
Total credits	**15**

Field Work

COTA 2500 Fieldwork A	3
COTA 2550 Fieldwork B	3
COTA 2600 Fieldwork Options	2-3

Electives

COTA 2975 Special Topics in Occupational Therapy	1-3
Curriculum total	76

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 0950, HLTK 1620 or an equivalent CPR certification.

(Certificate Requirements)

HLTK 1410 Conditions and Symptomology	3
HLTK 1420 Equine Assisted Therapy Practicum	3
HLTK 1430 Therapeutic Applications	3
SOC 1000 Introduction to Sociology	3

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

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 0950, HLTK 1620 or an equivalent CPR certification.

(Certificate Requirements)

HLTK 1405 Assistive Technology Practicum	3
HLTK 1410 Conditions and Symptomology	3
HLTK 1430 Therapeutic Applications	3
SOC 1000 Introduction to Sociology	3

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

Faculty

Kubichek, Washut

ABA Approved

Casper College offers two degrees in the paralegal department and 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.

Associate of Arts Degree
Paralegal Studies

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 4
   - Physical science with lab 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PHIL 1000 Introduction to Philosophy . . . . . or
   - PHIL 2420 Critical Thinking. 3
   - PSYC 1000 General Psychology 3
   - THEA 1000 Introduction to Theatre. 3
   - U.S. and Wyoming constitutions 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- CRMJ 2120 Introduction to Criminal Justice. 3
- CRMJ 2230 Law of Evidence 3
- LEGL 1610 Paralegalism I 3
- LEGL 1620 Paralegalism II. 3
- LEGL 1700 Legal Analysis 3
- LEGL 1710 Legal Research and Writing I. 3
- LEGL 1720 Legal Research and Writing II 3
- LEGL 2500 Civil Procedure. 3
- LEGL 2550 Litigation Support. 3
- LEGL 2610 Family Law. 3
- World language (one language) or 8
- Fine arts and humanities. 6
- Optional: Internship . . . . . or
- Independent study. 3-6
- Computer competencies

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.

Associate of Applied Science Degree
Paralegal Studies

(Recommended Curriculum)

General Education (Minimum 17 credits) 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 4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology 3
   - THEA 1000 Introduction to Theatre 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above;
5. Physical Education 1

Major Requirements

CRMJ 2120 Introduction to Criminal Justice 3
CRMJ 2230 Law of Evidence 3
LEGL 1610 Paralegalism I 3
LEGL 1620 Paralegalism II 3
LEGL 1700 Legal Analysis 3
LEGL 1710 Legal Research and Writing I 3
LEGL 1720 Legal Research and Writing II 3
LEGL 2500 Civil Procedure 3
LEGL 2550 Litigation Support 3
LEGL 2610 Family Law 3
PHIL 1000 Introduction to Philosophy . . . . . or
PHIL 2420 Critical Thinking 3
Computer competencies

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

Paralegal Certificate

(Certificate Requirements)

Requirements Credits

CRMJ 2120 Introduction to Criminal Justice 3
CRMJ 2210 Criminal Law I . . . . . or
Elective approved by director 3
CRMJ 2230 Law of Evidence 3
LEGL 1610 Paralegalism I 3
LEGL 1620 Paralegalism II 3
LEGL 1700 Legal Analysis 3
LEGL 1710 Legal Research and Writing I 3
LEGL 1720 Legal Research and Writing II 3
LEGL 2500 Civil Procedure 3
LEGL 2610 Family Law 3
LEGL 2550 Litigation Support 3
Computer competencies

The certificate program is only available to students who have a bachelor's degree.

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.

PARAMEDIC TECHNOLOGY

Program Director: Russ Christiansen
Clinical Instructor: TBA
Medical Director: Todd H. Beckstead, MD, FACS

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 2040/2041 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.

Associate of Science
Paramedic Technology
(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ZOO 2040 Human Anatomy 3
   - ZOO 2041 Human Anatomy Lab. 1
   - ZOO 2110 Human Physiology. 4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- EMT 1500 Emergency Medical Technician 9
- HLTK 1200 Medical Terminology 3
- PTEP 2500 Introduction to Paramedic Technology. . 10
- PTEP 2550 Introduction to Para Tech Clinical 2
- PTEP 2600 Para Tech Medical Emergencies 10
- PTEP 2650 Para Tech Medical Emergencies Clinical 3
- PTEP 2675 Paramedic Technology Trauma 7
- PTEP 2700 Para Tech Trauma and Spec Considerations 10
- PTEP 2750 Para Tech Field and Clinical Internship. 14

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

Program Director: Sheri Roumell, A.S., C. Ph.T.
Instructor: Jodi Thiel, A.S.

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 nonpharmacy 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 2041 for the AS degree program or BIOL 1000 for the certificate program; and
7. Have completed CHEM 1005/1006 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.

Associate of Science Degree Pharmacy Technology

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - CHEM 1006 Basic Chemistry Lab I 1
   - ZOO 2040 Human Anatomy 3
   - ZOO 2041 Human Anatomy Lab 1
   - ZOO 2110 Human Physiology 4
   - MATH 1400 Pre-Calculus Algebra 4
   - (*16 credits allowed in this field of study)
2. Communication
   - CO/M 1010 Public Speaking . . . . . or
   - CO/M 1030 Interpersonal Communication . . 3
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- CMAP 1610 Windows I 2
- HLTK 1200 Medical Terminology 3
- HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
- PHTK 1000 Calculations for Health Care 1
- PHTK 1500 Introduction to the Profession 1
- *PHTK 1600 Intro to Pharmacy Operations I 4
- *PHTK 1610 Intro to Pharmacy Operations II 4
- *PHTK 1630 Calculations for Compounding 1
- *PHTK 1650 Pharmacy Law and Ethics 2
- *PHTK 1710 Pharmaceutical Products I 3
- *PHTK 1720 Pharmaceutical Products II 3
- *PHTK 2971 Practicum I 5
- *PHTK 2972 Practicum II 7
- *PHTK 2973 Practicum III 8

* 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.

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

Pharmacy Technology Certificate

(Certificate Requirements)

General Education Credits

- CMAP 1610 Windows I 2
- CO/M 1010 Public Speaking . . . . . or
- CO/M 1030 Interpersonal Communication 3
- MATH 0930 Intermediate Algebra 4

Major Requirements

- BIOL 1000 Introduction to Biology I 4
- CHEM 1005 Basic Chemistry I 3
- CHEM 1006 Basic Chemistry Lab 1
- HLTK 1200 Medical Terminology 3
- HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
- PHTK 1000 Calculations for Health Care 1
- PHTK 1500 Introduction to the Profession 1
- *PHTK 1600 Intro to Pharmacy Operations I 4
- *PHTK 1610 Intro to Pharmacy Operations II 4
- *PHTK 1630 Calculations for Compounding 1
- *PHTK 1650 Pharmacy Law and Ethics 2
- *PHTK 1710 Pharmaceutical Products I 3
- *PHTK 1720 Pharmaceutical Products II 3
- *PHTK 2971 Practicum I 5
- *PHTK 2972 Practicum II 7
- *PHTK 2973 Practicum III 8

* Enrollment limited to pharmacy technology majors.

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

Faculty

Dalen, Moline, Sharman

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.

Associate of Science Degree
Athletic Training

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

BIOL 1000 Introduction to Biology I . . . . . or
BIOL 1010 General Biology I 4
CO/M 1010 Public Speaking 3
FSCS 1141 Principles of Nutrition 3
KIN 2050 Functional Kinesiology 3
KIN 1052 Introduction to Athletic Training 3
KIN 1058 Emergency Management of Athletic Injury/Illness 3
KIN 2057 Assessment and Evaluation of Athletic Injury/Illness I 3
KIN 2058 Assessment and Evaluation of Athletic Injury/Illness II 3
KIN 2068 Athletic Training Clinical I 1
KIN 2078 Athletic Training Clinical II 1
KIN 2098 Athletic Training Clinical III 1
MATH 1400 Pre-Calculus Algebra 4
PEPR 1005 Introduction to Physical Education Sport 2
PHYS 1050 Concepts of Physics . . . . . or
PHYS 1110 General Physics 4
PSYC 1000 General Psychology 3
STAT 2050 Fundamentals of Statistics . . . . . or
STAT 2070 Introductory Statistics for Social Science 5

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.

ZOO 2040 Human Anatomy 3
ZOO 2041 Human Anatomy Lab. 1
ZOO 2110 Human Physiology. 4
Electives (as indicated by advisor)

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).

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

Associate of Science Degree Physical Education

(Recommended Curriculum)

General Education (Minimum 32 credits) 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. 4
   - MATH 1400 Pre-Calculus Algebra 4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.

55. Physical Education 1

Major Requirements

FCSC 1141 Nutrition 3
HLED 1006 Personal and Community Hygiene . . . 3
*HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
PEPR 1005 Introduction to Physical Education and Sport 2
PEPR 2030 Motor Learning 3
ZOO 2040 Human Anatomy. 3
ZOO 2041 Human Anatomy Lab 1
ZOO 2110 Human Physiology 4

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 3
EDFD 2100 Educational Psychology 3
ITEC 2360 Teaching with Technology 3
PEPR 2012 Elementary School Physical Education 3
PEPR 2460 Field Experience 1

Coaching Certification

*HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED 33
*PEPR 1052 Care and Prevention Athletic Injuries. 3
*PEPR 2090 Foundations of Coaching. 3
PEPR 2091 Athletic Officiating I 2
*PEPR 2100 Theory of Coaching Volleyball . . . . . or
*PEPR 2150 Theory of Coaching Basketball 2

*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 3
CHEM 1006 Basic Chemistry Lab 1
COSC 1200 Computer Information Systems 3
PEPR 1052 Care and Prevention of Athletic Injuries 3
PEPR 2135 Personal Trainer Education. 3
PEPR 2460 Field Experience 1

Recommended:

CO/M 1010 Public Speaking . . . . . or
CO/M 1030 Interpersonal Communication 3
STAT 2050 Fundamentals of Statistics 5

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 3
HLTK 1200 Medical Terminology 3
PSYC 2200 Human Sexuality. 3
PSYC 2210 Drugs and Behavior. 3
Electives approved by department head. 3

Recommended:

CO/M 1010 Public Speaking. 3
STAT 2050 Fundamentals of Statistics 5

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

Faculty

Bowden, Marquard, A. Young

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.

Associate of Science Degree
Physics

(Recommended Curriculum)

General Education (Minimum 32 credits) 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. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- MATH 2200 Calculus I 5
- MATH 2205 Calculus II 5
- MATH 2210 Calculus III 5
- PHYS 1310 College Physics I 4
- PHYS 1320 College Physics II 4
- PHYS 2310 Physics III: Waves and Optics 5
- PHYS 2320 Physics IV: Modern Physics. 5
- *Electives 9

*Recommended electives

- COSC 1030 Computer Science I 4
- ES 1060 Introduction to Engineering Computing . . . 3
- MATH 2250 Elementary Linear Algebra 3
- MATH 2310 Applied Differential Equations I 3
- Biological science or earth science 4
- World language 8

*Graduation requirements for the College of Arts and Science at the University of Wyoming. Other universities may have different requirements.

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

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

POLITICAL SCIENCE

Faculty

E. Frankland, Henrichsen, Russell

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.

Associate of Arts/Associate of Science Degree Political Science

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 8
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - ANTH 1200 Introduction to Cultural Anthropology 3
   - POLS 1000 American and Wyoming Government 3
   - PSYC 1000 General Psychology . . . . . or
   - SOC 1000 Introduction to Sociology . . . . . or
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- World language 8
- At least six additional credits from the following:
- POLS 1020 Issues in Foreign Relations 3
- POLS 1030 Issues in Foreign Relations II 3
- POLS 1200 Non-Western Political Cultures 3
- POLS 2200 The Politics of Europe and the European Union 3
- POLS 2310 Introduction to International Relations . 3
- POLS 2460 Introduction to Political Theory 3
- STAT 2050 Fundamentals of Statistics . . . . . or
- STAT 2070 Introduction to Statistics for Social Sciences 5
- Electives 18

Electives should be oriented toward the emphasis at the upper division level as follows:

Political science major: computer science, economics, history, political science, or sociology.

Pre-law (social science) major: accounting, computer science, communication, economics, history, philosophy, psychology, or sociology.

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

Associate of Arts Degree International Studies

See International Studies section for recommended curriculum.

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

Faculty

Burnett, Goodwin

Associate of Applied Science Degree
Power Plant Technology

This program provides a course of study and experience that will enhance the ability of the Power Plant Technology students to provide quality energy services of a superior value in a safe and environmentally responsible nature. Students will be trained as power plant operators, a career that is not only in high demand, but is financially rewarding.

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
   - MATH 1000 Problem Solving 3
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

DESL 1850 Basic Hydraulics	3
ELTR 1535 Electrical Power	3
ELTR 1570 Electric Circuits	4
ELTR 1620 Electrical Concepts Lab	1.5
ENVT 1600 Industrial Safety	4
MCHT 1610 Machine Tool Technology I	2
POWR 1500 Power Plant Orientation	3
POWR 1565 Power Plant Water Treatment	3
POWR 1600 Power Plant Supply and Control I	3
POWR 1980 Cooperative Work Experience	8
POWR 2600 Power Plant Supply and Control II	3
WELD 1700 General Welding	2.5
Approved Electives	9

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

Power Plant Technology Certificate

(Recommended Curriculum • Certificate Requirements)

	Credits
DESL 1850 Basic Hydraulics	3
ELTR 1535 Electrical Power	3
ELTR 1570 Electric Circuits	4
ELTR 1620 Electrical Concepts Lab	1.5
ENVT 1600 Industrial Safety	4
HLTK 1620 American Heart Association Heart Saver First Aid, CPR and AED	.33
POWR 1500 Power Plant Orientation	3
POWR 1565 Power Plant Water Treatment	3
POWR 1600 Power Plant Supply and Control I	3
POWR 1980 Cooperative Work Experience	8
POWR 2600 Power Plant Supply and Control II	3

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

PRE-PROFESSIONAL

Pre-Professional Curricula

Students expecting to qualify for admission into schools of medicine, dentistry, pharmacy, optometry, physical therapy, occupational therapy, theology, education, law, journalism, engineering, or veterinary medicine are urged to study carefully the particular requirements of the institutions from which they wish to obtain a degree.

Since society imposes leadership responsibilities on professionally trained people, professional schools recommend that pre-professional training should not be highly specialized but 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 courses and familiarity with the use of the scientific laboratory method.

Associate of Arts and Business Degree Pre-Law

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.

Associate of Business Degree Pre-Law (Business)

This is a transfer degree.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

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

Major Requirements

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

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

Associate of Arts/Associate of Science Degree Pre-Law (Social Sciences)

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - World language 8
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

Coursework should be selected from the following in consultation with an academic advisor: ANTH 1200, CO/M 1010, CO/M 1030, COSC 1200, CRMJ 2350, any ECON, any ENGL, any HIST, any MATH, any PHIL, any POLS except 2130, PSYC 1000, any STAT, any science.

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.

Associate of Arts/Associate of Science Degree
Pre-Dentistry or Pre-Medicine

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.

This is a transfer degree program.

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 . . . . . or
   - BIOL 1010 General Biology I. 4
   - Mathematics 8
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- BIOL 2022 Animal Biology. . . . . or
- BIOL 2023 Plant and Fungal Biology 4
- MOLB 2210 General Microbiology 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II. 3
- CHEM 1038 Chemistry Laboratory II. 1
- PHYS 1110 General Physics I 4
- PHYS 1120 General Physics II 4
- *World language 8

* Students should refer to the requirements of their professional school or transfer institution.

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

To obtain a degree in Pre-Dentistry or Pre-Medicine, a student must receive a grade of "C" or better in all major requirements.

Associate of Science Degree
Pre-Medical Technology

This course of study prepares students to enter a baccalaureate program in medical technology.

(Recommended Curriculum)

General Education (Minimum 32 hours) 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. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- BIOL 1000 Introduction to Biology I. . . . . or
- BIOL 1010 General Biology I 4
- BIOL 2022 Animal Biology. . . . . or
- BIOL 2023 Plant and Fungal Biology 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II. 3
- CHEM 1038 Chemistry Laboratory II. 1
- CHEM 2320 Organic Chemistry I 3
- CHEM 2325 Organic Chemistry Laboratory I 1
- CHEM 2340 Organic Chemistry II. 3
- CHEM 2345 Organic Chemistry Laboratory II. 1
- MATH 1400 Pre-Calculus Algebra. 4
- MATH 1405 Pre-Calculus Trigonometry 3
- *MATH 2200 Calculus I. 5
- MOLB 2210 General Microbiology 4
- MOLB 2220 Pathogenic Microbiology. 4
- *PHYS 1110 General Physics I. 4
- *PHYS 1120 General Physics II 4

* Students should refer to the requirements of their professional school or transfer institution.

A minimum of 64 approved semester hours 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.

Associate of Arts/Associate of Science Degree
Pre-Occupational Therapy

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) 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. 4
   - CHEM 1005 Basic Chemistry I 3
   - CHEM 1006 Basic Chemistry Lab I. 1
   - Mathematics 3
2. Communication
   - CO/M 1010 Public Speaking 3
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - SOC 1000 Introduction to Sociology 3
   - U.S. and Wyoming constitutions 3
   - *Cultural environment 9
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- OCTH 2000 Intro to Occupational Therapy 2
- PSYC 1000 General Psychology. 3
- PSYC 2300 Developmental Psychology 3
- PSYC 2340 Abnormal Psychology. 3
- STAT 2050 Fundamentals of Statistics 5
- ZOO 2040 Human Anatomy. 3
- ZOO 2041 Human Anatomy Lab 1
- ZOO 2110 Human Physiology 4
- *World cultures 3*
- Electives 4

*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.

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

Associate of Science Degree
Pre-Optometry

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.

This is a transfer degree program.

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 . . . . . or
   - BIOL 1010 General Biology I. 4
   - BIOL 2022 Animal Biology. . . . . or
   - BIOL 2023 Plant and Fungal Biology . . . . . or
   - MOLB 2210 General Microbiology 4
   - Mathematics 6
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Lab I. 1
- CHEM 1035 Chemistry II. 3
- CHEM 1038 Chemistry Lab II 1
- CHEM 2300 Introductory Organic Chemistry . . . . . or
- CHEM 2320 Organic Chemistry I 3-4
- CHEM 2325 Organic Chemistry Laboratory I 1
- *MATH 2200 Calculus I. 5
- MOLB 2210 General Microbiology 4
- MOLB 2220 Pathogenic Microbiology 4
- PHYS 1110 General Physics I 4
- PHYS 1120 General Physics II 4

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.

* Students should refer to the requirements of their professional school or transfer institution.

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

Associate of Science Degree
Pre-Pharmacy

Students expecting to qualify for admission into schools of pharmacy are urged to study carefully the particular requirements of the institutions from which they wish to obtain a degree. Since society imposes leadership responsibilities on professionally trained people, professional schools recommend that pre-professional training should not be highly specialized but 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 courses and familiarity with the use of the scientific laboratory method.

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (minimum 24 credits)

- BIOL 1010 General Biology I 4
- BIOL 2022 Animal Biology . . . . . or
- BIOL 2023 Plant and Fungal Biology 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- CHEM 2320 Organic Chemistry I 3
- CHEM 2325 Organic Chemistry Laboratory 1
- CHEM 2340 Organic Chemistry II 3
- CHEM 2345 Organic Chemistry Laboratory II 1
- MATH 2200 Calculus I 5
- MOLB 2210 General Microbiology 4
- MOLB 2220 Pathogenic Microbiology 4
- STAT 2050 Fundamentals of Statistics 5
- ZOO 2040 Human Anatomy 3
- ZOO 2041 Human Anatomy Lab 1
- ZOO 2110 Human Physiology 4

***Exact entry level course is determined by ACT or Compass scores.

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

Associate of Science Degree
Pre-Physical Therapy

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.

This is a transfer degree. This course curriculum transfers to the University of North Dakota.

(Recommended Curriculum)

General Education (Minimum 32 hours) 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 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- BIOL 1000 Introduction to Biology I . . . . . or
- BIOL 1010 General Biology I 4
- BIOL 2022 Animal Biology . . . . . or
- BIOL 2023 Plant and Fungal Biology . . . . . or
- MOLB 2210 Microbiology 4
- CHEM 1025 Chemistry I 3
- CHEM 1028 Chemistry Laboratory I 1
- CHEM 1035 Chemistry II 3
- CHEM 1038 Chemistry Laboratory II 1
- MATH 1400 Pre-Calculus Algebra 4
- MATH 1405 Pre-Calculus Trigonometry 3
- PHYS 1110 General Physics I 4

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.

PHYS 1120 General Physics II 4
PSYC 2300 Developmental Psychology 3
PSYC 2360 Lifespan: Adulthood and Aging 1
SOC 1000 Introduction to Sociology 3
ZOO 2040 Human Anatomy 3
ZOO 2041 Human Anatomy Lab 1
ZOO 2110 Human Physiology 4
*Fine arts and humanistic studies/ social sciences . . 9
*World cultures course 3

*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.

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

Associate of Science Degree
Pre-Veterinary

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) 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 . . . . . or
   - BIOL 1010 General Biology I 4
   - BIOL 2022 Animal Biology . . . . . or
   - BIOL 2023 Plant and Fungal Biology 4
   - MATH 1400 Pre-Calculus Algebra 4
   - MATH 1405 Pre-Calculus Trigonometry 3
2. Communication
   - CO/M 1010 Public Speaking 3
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

CHEM 2320 Organic Chemistry I 3
CHEM 2325 Organic Chemistry Laboratory I 1
MOLB 2210 General Microbiology 4
MOLB 2220 Pathogenic Microbiology 4
PHYS 1110 General Physics I 4
PHYS 1120 General Physics II 4
STAT 2050 Fundamentals of Statistics 5
*Electives 8

*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.

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

Faculty

Doyle, Kosine, Quealy-Berge, Talbott

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 compliment to any profession or course of training that involves human interaction.

Associate of Arts/Associate of Science Degree Psychology

The following two-year curriculum identifies courses needed to meet the general education and psychology department requirements for the Associate of Science or Associate of Arts in 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) 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. 4
   - STAT 2050 Elementary Statistics . . . . . or
   - STAT 2070 Statistics for the Social Sciences 5
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1-2

Major Requirements

PSYC 1000 General Psychology 3
PSYC 2000 Research Psychological Methods 4

At least twelve additional credits from the following:

PSYC 2005 Forensic Psychology 3
PSYC 2020 Positive Psychology 3
PSYC 2050 Introductory Counseling Theories 3
PSYC 2060 Psychology of Gender. 3
PSYC 2080 Biological Psychology 3
PSYC 2200 Human Sexuality 3
PSYC 2205 Psychology of Deaf Persons 3
PSYC 2210 Drugs and Behavior. 3
PSYC 2230 Sports and Exercise Psychology. 3
PSYC 2260 Alcoholism 3
PSYC 2300 Developmental Psychology 3
PSYC 2305 Psychology of Language. 3
PSYC 2360 Lifespan: Adulthood and Aging 1
PSYC 2380 Social Psychology 3
PSYC 2330 Psychology of Adjustment 3
PSYC 2340 Abnormal Psychology 3
STAT 2150 Statistical Methods of Data Analysis. . . . 5
Approved Electives 12

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.

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.

RADIOGRAPHY

Faculty

Program Director: Laurie Weaver, M.S., R.T. (ARRT)
Clinical Coordinator: Fred Kuck, B.S., R.T. (ARRT)
Clinical Instructor: Richard Johnson, A.S., R.T. (ARRT)

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 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 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 Composition I 3
HLTK 1200 Medical Terminology 3
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 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 degrees 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.

Associate of Science Degree
Radiography

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 3
   - ZOO 2041 Human Anatomy Lab 1
   - ZOO 2110 Human Physiology 4
   - MATH 1400 Pre-Calculus Algebra 4
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - PSYC 1000 General Psychology . . . . . or
   - SOC 1000 Introduction to Sociology 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- COSC 1200 Computer Information Systems 3
- HLTK 1200 Medical Terminology 3
- HLTK 2200 Sectional Anatomy 3
- RDTK 1500 Intro to Radiologic Technology 1
- RDTK 1530 Patient Care and Management 2
- RDTK 1580 Radiographic Positioning I 2
- RDTK 1610 Radiographic Imaging I 3
- RDTK 1640 Radiographic Imaging II 3
- RDTK 1680 Radiographic Positioning II 2
- RDTK 1710 Clinical Education I 2
- RDTK 1810 Clinical Education II 3
- RDTK 1830 Pharmacology for Radiographers 1
- RDTK 1910 Clinical Education III 3
- RDTK 2580 Radiographic Positioning III 2
- RDTK 2630 Radiographic Pathology 2
- RDTK 2640 Radiation Biology and Protection 2
- RDTK 2710 Clinical Education IV 2
- RDTK 2810 Clinical Education V 5
- RDTK 2910 Clinical Education VI 5
- RDTK 2930 Transition from Student to Radiographer 2

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.

A minimum of 64 approved semester credits are required for graduation. 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 Intro to Magnetic Resonance Imaging . . 2
- RDTK 1945 MRI Clinical Education I 3
- RDTK 1950 MRI Procedures I 3
- RDTK 1955 MRI Principles I: Physics of Magnetic Resonance Imaging 3
- RDTK 2915 MRI Clinical Education II 3
- RDTK 2920 MRI Procedures II 3
- RDTK 2925 MRI Principles II: Instrumentation and Imaging 3

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 Intro to Computed Tomography 2
RDTK 1920 Computed Tomography Procedures I . . 3
RDTK 1925 Computed Tomography: Physics and Instrumentation I 3
RDTK 1930 Computed Tomography Clinical I 3
RDTK 2935 Computed Tomography Clinical II 3
RDTK 2941 Computed Tomography: Physics and Instrumentation II 3
RDTK 2945 Computed Tomography Procedures II. . 3

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.

Associate of Applied Science Degree Renewable Energy Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

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

1. Exploration and Participation (one course minimum)
2. Communication (one course minimum in written or spoken communication)
3. Relationship with the World
   - Human Behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural Environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ATSC 2000 Introduction to Meteorology	4
DESL 1850 Basic Hydraulics	3
ELTR 1535 Electric Power	3
ELTR 1570 Electric Circuits	4
ELTR 1620 Electrical Concepts Laboratory	1.5
ELTR 2945 Fiber Optic Workshop	2
ENTK 1510 Drafting I	4
ENVT 1600 Industrial Safety	4
RETK 1500 Solar Power Systems	2
RETK 1505 Small Wind Turbines	2
RETK 1520 Wind Power Systems	3
RETK 2530 Instrumentation	3
RETK 2500 Basic Site Planning	3
RETK 2550 Power Distribution	3
Electives (approved)	8

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

Renewable Energy Technology Certificate

(Certificate Requirements)

Course	Credits
DESL 1850 Basic Hydraulics	3
ELTR 1515 Basic AC/DC Electronics	3
ELTR 1535 Electric Power	3
ELTR 2945 Fiber Optic Workshop	2
ENVT 1600 Industrial Safety	4
RETK 1500 Solar Power Systems	2
RETK 1505 Small Wind Turbines	2
RETK 1520 Wind Power Systems	3
RETK 2500 Basic Site Planning	3
Electives (approved)	5

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.

RESPIRATORY THERAPY

Faculty

Program Director: Doug Neubert (RRT)
Clinical Director: Ronnette Hand (RRT)
Medical Director: Don Smith, M.D. (Pulmonologist)

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 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 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 (minimum) 3
c. HLTK 1200 Medical Terminology 3
d. ENGL 1010 English Composition I 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.

Associate of Science Degree
Respiratory Therapy
(Recommended Curriculum)

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

General Education (Minimum 32 credits)	Credits
1. Exploration and Participation	
MATH 1000 Problem Solving (minimum)	3
PHYS 1050 Concepts of Physics	or
CHEM 1005 Basic Chemistry	and
CHEM 1006 Basic Chemistry Lab	4
ZOO 2040 Human Anatomy	3
ZOO 2041 Human Anatomy Lab	1
ZOO 2110 Human Physiology	4
2. Communication	
ENGL 1010 English I: Composition	3
ENGL 1020 English II: Composition	3
3. Relationship with the World	
U.S. and Wyoming constitutions	3
Cultural environment	3
PSYC 1000 General Psychology	or
SOC 1000 Introduction to Sociology	3
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above.	
5. Physical Education	1

Major Requirements

HLTK 1200 Medical Terminology	3
RESP 1500 Introduction to Respiratory Therapy	3
RESP 1505 Cardiopulmonary Anatomy and Physiology	2
RESP 1507 Respiratory Therapy I	4
RESP 1515 Respiratory Lab I	1
RESP 1518 Respiratory Practicum I	3
RESP 1523 Respiratory Pharmacology	2
RESP 1527 Respiratory Therapy II	3
RESP 1535 Respiratory Lab II	1
RESP 1538 Respiratory Practicum II	4
RESP 1543 Respiratory Perinatal and Pediatrics	2
RESP 2500 Respiratory Specialty Practicum	3
RESP 2507 Respiratory Therapy III	3
RESP 2515 Respiratory Pathology	2
RESP 2545 Respiratory Lab III	1
RESP 2548 Respiratory Practicum III	4
RESP 2557 Respiratory Therapy IV	3
RESP 2570 Respiratory Simulations	2
RESP 2575 Respiratory Lab IV	1
RESP 2578 Respiratory Practicum IV	4

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.

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

Suggested Course Sequence

Summer I

RESP 1500 Introduction to Respiratory Therapy	3
RESP 1505 Cardiopulmonary Anatomy and Physiology	2

Fall I

RESP 1507 Respiratory Therapy I	4
RESP 1515 Respiratory Lab I	1
RESP 1518 Respiratory Practicum I	3
RESP 1523 Respiratory Pharmacology	2

Spring I

RESP 1527 Respiratory Therapy II	3
RESP 1535 Respiratory Lab II	1
RESP 1538 Respiratory Practicum II	4
RESP 1543 Respiratory Perinatal and Pediatrics	2

Summer II

RESP 2500 Respiratory Specialty Practicum	3

Fall II

RESP 2507 Respiratory Therapy III	3
RESP 2515 Respiratory Pathology	2
RESP 2545 Respiratory Lab III	1
RESP 2548 Respiratory Practicum III	4

Spring II

RESP 2557 Respiratory Therapy IV	3
RESP 2570 Respiratory Simulations	2
RESP 2575 Respiratory Lab IV	1
RESP 2578 Respiratory Practicum IV	4

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ROBOTICS TECHNOLOGY

Faculty

M. Graham

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.

Associate of Applied Science Degree Robotics Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

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

1. Exploration and Participation
   - MATH 0930 Intermediate Algebra 4
2. Communication
   - CO/M 1030 Interpersonal Communication . . 3
   - ENGL 0610 Basic Writing II 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
4. General Education Electives 3
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

DESL 1850 Basic Hydraulics	3
ELTR 1515 Basic AC/DC Electronics	3
ELTR 2815 Programmable Logic Controllers	4
ENTK 1510 Drafting I	4
ENTK 2510 CAD-3D Modeling	4
MCHT 1610 Machine Tool Technology I	2
MCHT 1620 Machine Tool Technology II	2
ROBO 1650 Electromechanics	3
ROBO 2580 LabView	2
ROBO 2590 Motion Control	3
ROBO 2595 Robot Systems	4
ROBO 2616 Robot Construction	2
ROBO 2980 Cooperative Work Experience	2-6
ROBO 2990 Special Topics in Automation and Robotics	4
WELD 1700 General Welding	or
WELD 1820 GMAW and GTAW Welding	2.5

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

Robotics Technology Certificate

(Certificate Requirements)

A minimum of 30 credits is required from the list below

Course	Credits
DESL 1850 Basic Hydraulics	3
ELTR 1515 Basic AC/DC Electronics	3
ELTR 2815 Programmable Logic Controllers	4
MCHT 1610 Machine Tool Technology I	2
MCHT 1620 Machine Tool Technology II	2
ROBO 1650 Electromechanics	3
ROBO 2580 LabView	2
ROBO 2590 Motion Control	3
ROBO 2595 Robot Systems	4
ROBO 2616 Robot Construction	2
WELD 1700 General Welding	or
WELD 1820 GMAW and GTAW Welding	2.5

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

Certificate in Automation

Certificate Requirements (Minimum 30 Credits)

ELTR 1515 Basic AC/DC Circuits	3
ELTR 1605 Process Control	3
ENTK 1510 Drafting I	4
ROBO 1650 Electro-mechanics	3
ROBO 2590 Motion Control	3
ELTR 2815 Programmable Logic Controllers	4
ENTK 1650 Mechanical Drafting and Design	4
ENTK 2510 CAD 3D Modeling	4
ROBO 2595 Robot Systems	4
ROBO 2600 Introduction to Design and Simulation	3

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

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SOCIOLOGY

Faculty

Hanson

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.

Associate of Arts Degree Sociology

(Recommended Curriculum)

General Education (Minimum 32 credits) 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. . . . . or
   - BIOL 1010 General Biology. 4
   - Four credit science with a lab 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - World language 8
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- SOC 1000 Introduction to Sociology 3
- SOC 1100 Social Problems. 3
- SOC 2325 Marriage and Family 3
- SOC 2400 Criminology 3

At least 20 additional credits from the following:

- ANTH 1200 Cultural Anthropology 3
- ECON 1010 Principles of Macroeconomics 3
- HIST 1110 Western Civilization I. 3
- HIST 1120 Western Civilization II. 3
- PHIL 1000 Introduction to Philosophy. 3
- POLS 2460 Political Theory 3
- PSYC 1000 General Psychology 3
- STAT 2070 Introductory Statistics for Social Sciences 5

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

Associate of Arts Degree Social Work

(Recommended Curriculum)

General Education (Minimum 32 credits) 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. . . . . or
   - BIOL 1010 General Biology. 4
   - Four credit science with a lab 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- PSYC 1000 General Psychology 3
- PSYC 2080 Biological Psychology 3
- SOC 1000 Introduction to Sociology. 3
- SOC 1100 Social Problems. 3
- SOWK 2000 Foundations of Social Work 3

At least 21 additional credits from the following:

- ANTH 1200 Cultural Anthropology 3
- CO/M 1010 Public Speaking. . . . . or
- CO/M 1030 Interpersonal Communication 3
- ECON 1010 Principles of Macroeconomics 3
- PHIL 1000 Introduction to Philosophy. 3
- PSYC 2210 Drugs and Behavior. 3
- SOC 2325 Marriage and Family 3
- SOC 2400 Criminology 3
- SOWK 2005 Social Work Lab. 1
- STAT 2050 Fundamentals of Statistics . . . . . or
- STAT 2070 Introductory Statistics for Social Sciences 5
- World language 4-8

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

Faculty

Russell, Steinbacher

Associate of Science Degree
Applied 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.

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- STAT 2050 Fundamentals of Statistics . . . . . or
- STAT 2070 Introductory Statistics for Social Sciences 5
- STAT 2150 Statistical Methods of Data Analysis. . . . 5
- *STAT 2220 Experimental Design. 5
- **STAT 2120 Fundamentals of Sampling . . . . . or
- ***STAT 2240 Categorical Data Analysis 5

Major Field Electives: At least 12 additional credits from the following:

- BIOL 2100 Quantitative Research in Biology 3
- ENGL 2010 Technical Writing I 3
- MATH 2200 Calculus I . . . . . or
- MATH 2350 Business Calculus I. 4-5
- PSYC 2000 Research Psychological Methods 4
- **STAT 2120 Fundamentals of Sampling 5
- ***STAT 2240 Categorical Data Analysis 5
- STAT 2485 Statistics Laboratory. 2
- STAT 2490 Special Topics: 1-3
- Laboratory Science 4

*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.

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

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

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 Credits

- CO/M 1030 Interpersonal Communication. . 3
- ENGL 1010 English I: Composition 3

Major Requirements

- STAT 2050 Fundamentals of Statistics 5
- **STAT 2120 Fundamentals of Sampling 5
- STAT 2150 Statistical Methods of Data Analysis. . . . 5
- *STAT 2220 Experimental Design. 5
- ***STAT 2240 Categorical Data Analysis 5

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.

TECHNICAL STUDIES

Associate of Applied Science Degree Technical Studies

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) 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 4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition . . . . . or
   - ENGL 2010 Technical Writing I 3
3. Relationship with the World
   - POLS 1000 American and Wyoming Government 3
   - Human behavior . . . . . or
   - Cultural environment. 3
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements (Minimum 47 Credits)

Core Technical Studies Coursework

Certification Area. 30

(Student must meet all qualifications to earn at least a certificate within one of the designated technical studies areas.)

Additional course within certification area. 10

(There is a 40 hour minimum for transfer to the University of Wyoming)

Additional Technical Studies Electives

Selected in consultation with advisor 7

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

Faculty

Burger, Burk, Conte, Garland, McIntosh, Olm, Youmans-Jones

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.

Associate of Arts Degree
Theatre Performance

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives 9
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- THEA 1010 Introduction to Theatre for Theatre and Dance Majors 3
- THEA 1100 Acting I 3
- THEA 2010 Theatrical Backgrounds Drama I 3
- THEA 2020 Theatrical Backgrounds Drama II 3
- THEA 2050 Theatre Practice 2
- THEA 2100 Acting II 3
- THEA 2140 Voice for Acting 3
- THEA 2160 Stage Makeup 3
- THEA 2220 Stagecraft 4
- THEA 2310 Auditioning 3
- Theatre dance courses 1
- Approved electives 3

Major electives must come from the following list:

- MUSC 1074 Studio: Voice 2
- MUSC 1270 Voice Class 1
- THEA 2790 Stage Management 2
- Dance courses
- Theatre courses

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

Associate of Arts Degree
Theatre Technology

This degree is recommended to any student who wishes to pursue the technical areas of theatre, including technical direction, stage management, scenic/lighting/costume/makeup design.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives 9
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- THEA 1010 Introduction to Theatre for Theatre and Dance Majors 3
- THEA 1100 Acting I 3
- THEA 2010 Theatrical Backgrounds Drama I 3
- THEA 2020 Theatrical Backgrounds Drama II 3
- THEA 2050 Theatre Practice 2
- THEA 2145 Introduction to Theatrical Costuming . . . 3
- THEA 2160 Stage Make-up 3
- THEA 2220 Stagecraft 4
- THEA 2230 Stage Lighting 3
- THEA 2311 Portfolio Preparation 1
- Electives 6

Major electives must come from the following list:

- ART 1006 Basic Drawing I 3
- ART 1110 Foundation: Two-Dimensional 3
- ART 1120 Foundation: Three-Dimensional 3
- ART 1130 Design: Color Theory 3
- ART 2010 Art History I 3
- ART 2020 Art History II 3

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.

ENTK 2500 Computer Aided Drafting I 2
ENTK 2505 Computer Aided Drafting II 2
MUSC 2410 Sound Reinforcement I 2
MUSC 2420 Sound Reinforcement II 2
THEA 1220 CAD for Theatre 3
THEA 2490 Special Topics 1-3
THEA 2790 Stage Management 2

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

Associate of Arts Degree
Dance

The curriculum is designed to provide a full range of classroom study and practical experience for the 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.

(Recommended Curriculum)

General Education (Minimum 32 credits) 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 4
   - ZOO 2040 Human Anatomy 3
   - ZOO 2041 Human Anatomy Lab 1
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment 3
4. General Education Electives 5
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

THEA 1010 Introduction to Theatre for Theatre and Dance Majors 3
THEA 1100 Acting I 3
THEA 1410 Ballet I 1
THEA 1420 Ballet II 2
THEA 1430 Modern Dance I 1
THEA 1440 Modern Dance II 2
THEA 1450 Beginning Tap Dance 1
THEA 1480 Jazz I 1
THEA 1500 Dance Performance 1-2
THEA 2160 Stage Make-up 3
THEA 2200 Backgrounds of Dance 3
THEA 2210 Dance Performance and Techniques . . . 1

THEA 2215 Intermediate Compositional Skills/ Improvisation 3
THEA 2220 Stagecraft 4
THEA 2410 Ballet II/I 2
THEA 2480 Jazz II 1
Approved electives 3

Major electives must come from the following list:

MUSC 1074 Studio: Voice 2
MUSC 1271 Voice Class 1
PEAC 1031 Western and Social Dancing 1
THEA 1125 Musical Theatre Performance Techniques I 3
THEA 2145 Introduction to Theatrical Costuming 3
THEA 2155 Movement in Acting 3
THEA 2230 Stage Lighting 3
THEA 2350 Musical Theatre History and Analysis . . 4
THEA 2370 Summer Theatre 1-3
THEA 2420 Ballet II/II 2
THEA 2450 Tap II 1

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.

Associate of Arts Degree
Musical Theatre Performance

The curriculum is designed to provide a full range of classroom study and practical experience for the musical theatre 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.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Lab science 4
   - Math 3
2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Cultural environment 3
   - Human behavior 3
   - POLS 1000 American and Wyoming Government 3
4. General Education Electives 9
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- MUSC 1030 Written Theory I 3
- MUSC 1035 Aural Theory I 1
- MUSC 1040 Written Theory II 3
- MUSC 1045 Aural Theory II 1
- MUSC 1046 Studio: Musical Theatre (4 semesters) . 4
- MUSC 1300 Class Piano I 1
- MUSC 1301 Class Piano II 1
- MUSC 14XX (Vocal Ensemble TBA) 1
- MUSC 14XX (Vocal Ensemble TBA) 1
- THEA 1010 Introduction to Theatre for Theatre and Dance Majors 3
- THEA 1100 Acting I 3
- THEA 1125 Musical Theatre Performance Techniques I 3
- THEA 1410 Ballet I 1
- THEA 1450 Beginning Tap Dance 1
- THEA 1480 Jazz I 1
- THEA 2050 Theatre Practice 1
- THEA 2100 Acting II 3
- THEA 2220 Stagecraft 4
- THEA 2350 Musical Theatre History and Analysis . . 4

Additional Recommended Courses:

- MUSC 14XX (Vocal Ensemble TBA) 1-2
- THEA 2010 Theatrical Backgrounds Drama I 3
- THEA 2020 Theatrical Backgrounds Drama II 3
- THEA 2155 Movement for Acting 3
- THEA 2160 Stage Make-up 3
- THEA 2310 Auditioning 3
- THEA 2230 Stage Lighting 3
- THEA 2370 Summer Theatre 1-3
- THEA 2790 Stage Management 2

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

Faculty

Hayward, Innella, Keogh, Madura, Olson, Riley, Ryan

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.

Associate of Arts Degree
Art

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives 9
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- ART 1006 Basic Drawing I 3
- ART 1110 Foundation: Two-Dimensional 3
- ART 1120 Foundation: Three-Dimensional. 3
- ART 1130 Foundation: Color Theory. 3
- ART 2010 Art History I 3
- ART 2020 Art History II 3
- ART 2035 Art History III 3
- ART 2210 Painting I 3
- ART 2310 Sculpture I 3
- Electives 5

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

Associate of Arts Degree
Museum/Gallery Studies

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) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - Mathematics 3
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human Behavior 3
   - U.S. and Wyoming constitutions 3
   - Cultural environment. 3
4. General Education Electives 9
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

- ANTH 1100 Introduction to Physical Anthropology . . or
- ANTH 1200 Introduction to Cultural Anthropology . . 3
- ANTH 1300 Introduction to Archaeology 3
- ART 1300 Museum Studies 3
- ART 2010 Art History I 3
- ART 2020 Art History II 3
- ART 2023 Collections Management 3
- ART 2035 Art History III 3
- ART 2990 Museum Training Internship. 6
- CO/M 1010 Public Speaking. 3
- Electives 3

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.

Associate of Fine Arts Degree
Fine Art

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) Credits

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

1. Exploration and Participation
   (Both Recommended) 3-4
   - Science
   - Mathematics

2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3

3. Relationship with the World (3 credit hours)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment

4. General Education Electives 3
   - Must be chosen from areas 1, 2, or 3 above.

5. Physical Education 1

Major Requirements

ART 1006 Drawing I 3
ART 1110 Foundation: Two-Dimensional 3
ART 1120 Foundation: Three-Dimensional 3
ART 1130 Foundation: Color Theory 3
ART 1150 Photography I 3
ART 2006 Drawing II 3
ART 2010 Art History I 3
ART 2020 Art History II 3
ART 2035 Art History III 3
ART 2050 Life Drawing 3
ART 2090 Printmaking I: Relief . . . . . or
ART 2095 Printmaking II: Intaglio 3
ART 2141 Professional Practice in the Arts 1
ART 2210 Painting I 3
ART 2310 Sculpture I 3
ART 2410 Ceramics I 3
Electives 5

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

Associate of Fine Arts Degree
Graphic Design

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) Credits

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

1. Exploration and Participation
   (Both Recommended) 3-4
   - Lab Science or
   - MATH 1000 Problem Solving (or higher)

2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3

3. Relationship with the World (3 credit hours)
   - POLS 1000 American and Wyoming Government 3

4. General Education Electives 3
   - Must be chosen from areas 1, 2, or 3 above.

5. Physical Education 1

Major Requirements

ART 1015 History of Graphic Design 3
ART 1006 Drawing I 3
ART 1110 Foundation: Two-Dimensional 3
ART 1120 Foundation: Three Dimensional 3
ART 1130 Foundation: Color Theory 3
ART 2010 Art History I 3
ART 2020 Art History II 3
ART 2035 Art History III 3
ART 2075 Illustration I 3
ART 2090 Printmaking I: Relief 3
ART 2122 Digital Design I 3
ART 2105 Digital Design II 3
ART 2110 Typography 3
ART 2112 Graphic Design I 3
ART 2130 Graphic Design II 3
ART 2113 Introduction to Time Based Media 3
ART 2141 Professional Practice 1
ART 2245 Digital Photo for Art Majors 3

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.

Associate of Fine Arts Degree
Photography

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) Credits

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

1. Exploration and Participation
   (Both Recommended) 3-4
   - Science
   - Mathematics

2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3

3. Relationship with the World (3 credit hours)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment

4. General Education Electives (3 credit hours)
   - Must be chosen from areas 1, 2, or 3 above.

5. Physical Education 1

Major Requirements

ART 1006 Drawing I 3
ART 1110 Foundation: Two-Dimensional 3
ART 1120 Foundation: Three-Dimensional . . . . . or
ART 1130 Foundation: Color Theory. 3
ART 1150 Photography I. 3
ART 1160 Photography II 3
ART 2010 Art History I 3
ART 2020 Art History II 3
ART 2035 Art History III 3
ART 2090 Printmaking I: Relief . . . . . or
ART 2095 Printmaking II: Intaglio 3
ART 2141 Professional Practice in the Arts 1
ART 2150 Color Photography I. 3
ART 2160 Color Photography II 3
ART 2180 Alternative Processes 3
BADM 2100 Small Business Practices 2
Electives 9

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

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Associate of Fine Arts Degree
Art Education

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) Credits

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

1. Exploration and Participation
   (Both Recommended) 3-4
   - Science
   - Mathematics

2. Communication
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3

3. Relationship with the World
   - PSYC 2300 Developmental Psychology . . . or
   - PSYC 2360 Lifespan: Adulthood and Aging 1-3
   - POLS 1000 American and Wyoming Government 3
   - Cultural environment 3

4. General Education Electives 3-5
   - Must be chosen from areas 1, 2, or 3 above.

5. Physical Education 1

Major Requirements

ART 1006 Drawing I 3
ART 1110 Foundation: Two-Dimensional 3
ART 1120 Foundation: Three-Dimensional. 3
ART 1130 Foundation: Color Theory. 3
ART 2010 Art History I 3
ART 2020 Art History II 3
ART 2035 Art History III 3
ART 2073 Introduction to Art Education 3
ART 2090 Printmaking I: Relief . . . . . or
ART 2095 Printmaking II: Intaglio 3
ART 2141 Professional Practice in the Arts 1
ART 2210 Painting I 3
ART 2310 Sculpture I 3
ART 2410 Ceramics I 3
EDFD 2020 Foundations of Education 3
EDFD 2100 Educational Psychology 3
EDUC 2100 Public School Practicum 4
ITEC 2360 Teaching With Technology 3

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

Faculty

Hoffman

Associate of Applied Science Degree
Web Design

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 n 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) 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 3
2. Communication
   - BADM 1020 Business Communications 3
   - BOTK 1540 Business English 3
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ACCT 1905 Practical Accounting I . . . . . or
ACCT 2010 Principles of Accounting I 4
ART 2122 Digital Design I . . . . . or
ART 2105 Digital Design II . . . . . or
ART 2245 Digital Photo for Art Majors 3
BADM 2010 Business Law I 3
BADM 2040 e-commerce 3
CMAP 1815 Database Applications 3
IMGT 2400 Intro to Information Management 3
INET 1590 Web Page Design 3
INET 1610 Dynamic Web Graphics 3
INET 1885 Adobe Photoshop for the Web 3
INET 1890 Introduction to Web Design 3
INET 1895 Introduction to Internet Marketing 3
INET 2665 New Media Communication 3
INET 2670 Internet Ethics and Cyber Law 3
INET 2675 Web Design Business Fundamentals . . . 3
INET 2895 Web Design Capstone/Seminar 3
MGT 2100 Principles of Management 3

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

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

Web Design Certificate

(Certificate Requirements)

General Education Credits

ART 2122 Digital Design I 3
ART 2105 Digital Design II 3
ART 2245 Digital Photo for Art Majors 3
BADM 1020 Business Communications 3
CMAP 1815 Database Applications 3
COSC 1010 Intro to Computer Science 4
IMGT 2400 Intro to Information Management 3
INET 1590 Web Page Design 3
INET 1610 Dynamic Web Graphics 3
INET 1650 Intro to HTML and DHTML 2
INET 2500 Intro to ASP.NET 3

All classes in the major requirements must be passed with a “C” or better.

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

Associate of Applied Science Degree
Web Development

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) 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 . . . . . or
   - MATH 1000 Problem Solving 3
2. Communication
   - BADM 1020 Business Communications . . . 3
   - BOTK 1540 Business English 3
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

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.

Major Requirements

ACCT 1905 Practical Accounting I . . . . . or
ACCT 2010 Principles of Accounting I 4
BADM 2010 Business Law I 3
COSC 1010 Intro to Computer Science 4
COSC 2240 Systems Analysis and Design. 3
IMGT 2400 Intro to Information Management 3
INET 1590 Web Page Design 3
MGT 2100 Principles of Management. . . . . or
MKT 2100 Principles of Marketing 3

Select at least 24 credits from the following electives

CMAP 1815 Database Applications 3
COSC 2210 Business Data Processing I 3
COSC 2220 Business Data Processing II. 3
COSC 2403 Linux with X-Windows. 2
COSC 2404 Java and JavaScript Programming. . . . 2
COSC 2406 Programming in Java 4
INET 1650 Intro to HTML and DHTML 2
INET 2500 Introduction to ASP.NET 3
Electives approved by department head. 2-6

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

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 TECHNOLOGY

Faculty

Miller, Steinle

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;
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.

Associate of Applied Science Degree Welding

(Recommended Curriculum)

General Education (Minimum 17 credits) 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
2. Communication (One course minimum)
   - Written or spoken communication
3. Relationship with the World (One course minimum)
   - Human behavior
   - U.S. and Wyoming constitutions 1-3
   - Cultural environment
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

WELD 1555 Welding Tech Safety (8 weeks).	1.5
WELD 1650 Print Reading (8 weeks)	2
WELD 1710 Oxyacetylene Welding	1.5
WELD 1755 Shielded Metal Arc Welding	7
WELD 1770 Gas Metal Arc Welding (GMAW)	4.5
WELD 1780 Gas Tungsten Arc Welding (GTAW) . .	4.5
WELD 1860 Welding Fabrication	4.5
WELD 1910 Specialized Arc Welding	3
WELD 2500 Structural Welding	2.5
WELD 2510 Pipe Welding I.	3.5
WELD 2520 Pipe Welding II	5
WELD 2670 Inspection	2.5
WELD 2680 Metallurgy	3
*Approved Electives	4

*Approved electives from the departments of auto body repair technology, automotive technology, construction technology, robotics, or machine tool technology.

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

Welding Certificate

(Certificate Requirements)

WELD 1555 Welding Tech Safety (8 weeks).	1.5
WELD 1650 Print Reading (8 weeks)	2
WELD 1710 Oxyacetylene Welding	1.5
WELD 1755 Shielded Metal Arc Welding	7
WELD 1770 Gas Metal Arc Welding (GMAW)	4.5
WELD 1780 Gas Tungsten Arc Welding (GTAW) . . .	4.5
WELD 1860 Welding Fabrication	4.5
WELD 1910 Specialized Arc Welding	3
WELD 2510 Pipe Welding I.	3.5
WELD 2520 Pipe Welding II	5
WELD 2670 Inspection	2.5
WELD 2680 Metallurgy	3
*Approved Electives	2
**Total	**44.5**

*Approved electives from the departments of: auto body repair technology, automotive technology, construction technology, robotics, or machine tool technology.

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

Faculty

Doyle, Hurless, Innella, Mueller, Ryan, Wheatley

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.

Associate of Arts Degree Gender Studies

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 8
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - ENGL 1010 English I: Composition. 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - Human behavior 3
   - U.S. and Wyoming constitutions 3
   - World language 8
4. General Education Electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

CO/M 2135 Gender, Communication and Culture . . 3
ENGL 2270 Modern Women Writers. 3
GNDR 1000 Introduction to Gender Studies. 3
GNDR 2000 Gender Studies Service Learning. 1-3
PSYC 2060 Psychology of Gender. 3
WMST 1080 Introduction to Women's Studies 3
WMST 2040 History of Women in America. 3
Electives 11-13

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

Gender Studies Certificate

(Certificate Requirements)

CO/M 2135 Gender, Communication and Culture . . 3
GNDR 1000 Introduction to Gender Studies. 3
GNDR 2000 Gender Studies Service Learning. 1-3
PSYC 2490 Women, Gender and Psychology 3
WMST 1080 Introduction to Women's Studies 3
WMST 2040 History of Women in America. 3

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.

WORLD LANGUAGES

Faculty

Atkins, Ewing, Hittle

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.

Associate of Arts Degree
World Languages

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.

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits

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

1. Exploration and Participation
   - Laboratory science 4
   - MATH 1000 Problem Solving . . . . . or
   - MATH 1400 Pre-Calculus Algebra 3-4
2. Communication
   - CO/M 1030 Interpersonal Communication . . 3
   - ENGL 1010 English I: Composition 3
   - ENGL 1020 English II: Composition 3
3. Relationship with the World
   - SOC 1000 Introduction to Sociology . . . . . or
   - PSYC 1000 General Psychology 3
   - U.S. and Wyoming constitutions 3
   - Fine arts 3
   - Humanities, literature or philosophy 3
4. General Education electives
   - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

World language 12-16*

Electives 16-20

Some Approved Electives include: ANTH 1200, 2000, 2200; CO/M 1040; All ENGL literature courses; EDFD 2020; GEOG 1000, 1110, 1120, 2115; HIST 1020, 1110, 1120, 2115; HUMN 2140, 2150, 2230, 2250, 2251, 2252, 2253; PHIL 1000; POLS 1020, POLS 1030, POLS 1200, POLS 2200, POLS 2310.

*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.

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.


CASPER EVENTS CENTER

Course Descriptions

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][D]: This course provides a historical survey of the people of Black African heritage prior to their arrival in America and thereafter.

ACCT 0900 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. Prerequisite: a "C" or better in ACCT 0900, 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. Prerequisite: ACCT 2010.

ACCT 2110 Microcomputer Accounting I (1L,2LB,2CR): Applying accounting fundamentals utilizing commonly used accounting software. Problems involve cash journals, general ledger, and related topics. Preparing and interpreting statements of a financial nature. Prerequisite: ACCT 2010, keyboarding skill, 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. Prerequisite: 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. Prerequisite: ACCT 2020. (Fall semester.)

ACCT 2420 Intermediate Accounting II (4L,4CR)[E]: A continuation of ACCT 2410. Prerequisite: ACCT 2410. (Spring semester.)

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. Prerequisite: 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. Prerequisite: full-time accounting major and permission of the program coordinator.

ACCT 2490 Topics: (Subtitle) (1-4CR): Uncataloged accounting courses for persons who wish advance preparation in a specific discipline. Prerequisite: permission of the instructor.

ADDN 1005 Group Process (2L,2CR): 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.

ADDN 1020 Addictions Behaviors (2L,2CR): A study of addictive behaviors including drugs and the noningestive process addictions including gambling, sex, exercise, violence, work, power, money, and risk/sensation-seeking addictions. Aspects of lifestyle and habit that can be carried to addictive extremes are examined. Focus is on clarification of theories of addiction and current treatment practices.

ADDN 1050 Crime and Drugs (2L,2CR): 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 1110 Sex Offenders (2L,2CR): An overview of sex offenders and sexual offending includes gaining some understanding of the process of sexual offending, treatment, assessment, and prevention.

ADDN 1410 Adolescents (1L,1CR): Provides an overview of the characteristics, issues, and dynamics related to addictive behaviors among adolescent populations.

ADDN 1430 Women's Issues (1L,1CR): Provides an overview of the characteristics, issues, and dynamics related to addictive behaviors unique to female populations.

ADDN 1440 The Family (1L,1CR): Provides an overview of the characteristics, treatments, issues, and, dynamics related to the family.

ADDN 1470 Inhalant Abuse (1L,1CR): Provides an overview of the characteristics, treatments, issues, and, dynamics related to inhalant use and abuse.

ADDN 1490 Topics: (Subtitle) (1-3L,1-3CR): Specialized course work, seminars, and conferences with focus on current issues in the addictions field.

ADDN 1510 Eating Disorders (2L,2CR): An examination of the most prominent eating disorders and an introduction to the addiction model.

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 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. Prerequisite: seven credit hours of psychology.

ADDN 2970 Addictionology Practicum (1L,10LB,6CR): 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. Prerequisite: permission of the instructor.

AGEC 1010 Agriculture Economics I (3L,3CR)[E][CS]: 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][CS]: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 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 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 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 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Offered periodically. Prerequisite: ANSC 1010 or ANSC 1020.

ANSC 2230 Livestock Judging II/I (4LB,2CR): A concentrated study of livestock selection with major emphasis on team competition and national livestock shows. Prerequisite: 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][SB]: 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][CS][G]: 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][L]: 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][CS][D]: 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.

APRO 1010 Activities Professionals I (3L,3CR): This course presents fundamental knowledge of therapeutic activity practice with institutionalized adults. Students will learn to function effectively as members of the health care team whose common objective is to improve quality of life for the dependent adult. Concurrent enrollment: APRO 1970. (Fall semester.)

APRO 1050 Activities Professionals II (3L,3CR): Acquaint students with the need for activity programming and care planning for the physical, psychosocial, spiritual, and recreational needs of the ill and fragile institutionalized adult. Prerequisite: APRO 1010 and APRO 1970. Concurrent enrollment: APRO 1971. (Spring semester.)

APRO 1970 Activities Professionals: Practicum I (6LB,3CR): This practicum strengthens the learning in the classroom by providing field experience in a long-term care setting. The field experience is coordinated with the primary instructor and an on-site practicum supervisor. The primary instructor will provide the student and practicum supervisor with practicum content and assignments. The student may be supervised on the job or as a volunteer. Concurrent enrollment: APRO 1010. (Fall semester.)

APRO 1971 Activities Professionals: Practicum II (6LB,3CR): A continuation of APRO 1970. This practicum strengthens the learning in the classroom by providing field experience in a long-term care setting. The field experience is coordinated with the primary instructor and an on site practicum supervisor. The primary instructor will provide the student and practicum supervisor with practicum content and assignments. The student may be supervised on the job or as a volunteer. Integrates the team approach to providing care of institutionalized adults with practical assignments and projects. Prerequisite: APRO 1010 and APRO 1970. Concurrent enrollment: APRO 1050. (Spring semester.)

APRO 2010 Advanced Management I (3L,3CR): This course focuses on how to apply management science principles to the delivery of activity services in a long-term care setting. Prerequisite: APRO 1050 and APRO 1971. Concurrent enrollment: APRO 2971. (Fall semester.)

APRO 2050 Advanced Management II (3L,3CR): This course focuses on developing skills in administrative practices, communication, and community resource development from the perspective of being the director of the activity program in a long-term care setting. Prerequisite: APRO 2010 and APRO 1971. Concurrent enrollment: APRO 2972. (Spring semester.)

APRO 2971 Advanced Management Practicum I (6LB,3CR): This practicum strengthens the learning in the classroom by providing field experience in a long-term care setting. It is designed to enhance the student's knowledge about other departments and their responsibilities, as well as deepening the student's understanding of the administration of the activity department. The field experience is coordinated with the primary instructor and on-site practicum supervision, if necessary. The primary instructor will provide the student and practicum supervisor with practicum content and assignments. The student may be supervised on the job or as a volunteer. Prerequisite: APRO 1050 and APRO 1971. Concurrent enrollment: APRO 2010. (Fall semester.)

APRO 2972 Advanced Management Practicum II (6LB,3CR): This practicum strengthens the learning in the classroom by providing field experience in a long-term care setting. It is designed to enhance the student's communication and problem solving skills with project involvement and completion. The field experience is coordinated with the primary instructor and on-site practicum supervision, if necessary. The primary instructor will provide the student and practicum supervisor with practicum content and assignments. The student may be supervised on the job or as a volunteer. Prerequisite: APRO 2010 and APRO 2971. Concurrent enrollment: APRO 2050. (Spring semester.)

ART 1000 General Art: Studio (2L,4LB,3CR) [E][CA]: 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 1010 Introduction to Art (3L,3CR) [E][CA]: A survey of the arts produced by humans from prehistory through contemporary trends. Emphasis on the basic elements of art and contemporary movements in painting, sculpture, 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 1006 Drawing I (2L,4LB,3CR)[CA]: Introductory drawing emphasizing a wide range of drawing materials and methods of visual study. Fundamentals are stressed.

ART 1065 Perspective Drawing (2L,4LB,3CR): This course will present concepts and skills in drawing the illusion of objects in three-dimensional space using principles of geometry to develop spatial logic and imagery. Theories, principles and conventions of formal and informal systems of structural drawing will be studied. Formal systems will include such topics as one, two, and three point perspective, elliptical perspective, foreshortening, compound forms, and tonal development. Informal, analytical systems will explore isometric methods. Study can be applied to fine arts, illustration, and three-dimensional imagery.

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 1150 Photography I (2L,4LB,3CR) [E][CA]: 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. Prerequisite: ART 1150.

ART 1250 Water Based Media I (2L,4LB,3CR): The basic techniques in watercolor painting, including the preparation and use of materials, and the presentation of completed work.

ART 1260 Water Based Media II (2L,4LB,3CR): The basic techniques in watercolor painting, including the preparation and use of materials, and the presentation of completed work. A continuation of ART 1250. Prerequisite: ART 1250.

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. Prerequisite: ART 1150. (Summer semester.)

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 2006 Drawing II (2L,4LB,3CR): Continuation of the principles of drawing, including contemporary esthetics and the human figure. Prerequisite: ART 1006.

ART 2010 Art History I (3L,3CR)[E][CA]: A study of the visual arts produced by humans from prehistoric times to the Renaissance. This course is required of all art majors.

ART 2020 Art History II (3L,3CR)[E][CA]: 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 20th 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. Prerequisite: 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. Prerequisite: ART 1006 and ART 2006.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 1006 and ART 1110. (Fall semester.)

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. Prerequisite: ART 1006 and ART 1110. (Spring semester.)

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 1110, ART 2122, ART 2110, ART 2112; must also have 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 1150, ART 2160, and permission of the instructor. (Spring semester.)

ART 2210 Painting I (2L,4LB,3CR)[E]: An introductory painting course presenting a variety of methods and subjects. Prerequisite: ART 1006.

ART 2220 Painting II (2L,4LB,3CR)[E]: An intermediate painting course presenting a variety of methods and subjects. Prerequisite: ART 1006 and 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. Prerequisite: 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. Prerequisite: ART 2210, 2220, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 1120 and ART 2310.

ART 2330 Sculpture III (2L,4LB,3CR): A lecture and practice course exploring in depth, the use of functional three-dimensional vocabulary to achieve sculptural expression. This course will focus on building the student's skill levels, both technically and conceptually. Prerequisite: ART 2320.

ART 2340 Sculpture IV (2L,4LB,3CR): A continuation of ART 2330. This course will focus on experience in combining materials and problems of the student's own choosing with guidance by the instructor to give the student a wide range of expression in various materials. Prerequisite: ART 2330.

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. Prerequisite: 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 oxy-acetylene, stick, (arc) and MIG welding as well as plasma cutting. Prerequisite: ART 1120 or 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: Student must be enrolled in the art department, permission of the instructor, and interview with Nicolaysen Art Museum staff member and instructor.

The special projects courses are designed for the student who has recently completed all the offered courses in a given area and still requires or wishes continued exploration of advanced study in that area. The special projects are designed only as a continuation of previous courses, not personal endeavors of the student.

ART 2480 Special Projects: Drawing (*LB,1-3CR) (Max. 6): *Laboratory to be arranged. Advanced drawing emphasizing individualized interests and projects. Prerequisite: ART 1006, 1060, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 2091, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ART 1300.

ASL 1200 Beginning Sign Language (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 Intermediate Sign Language (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. Prerequisite: successful completion (C or better) of ASL 1200.

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. Prerequisite: MATH 0920. (Taken with ASTR 1000, equivalent to ASTR 1050 [SE].)

ASTR 1050 Survey of Astronomy (3L,2LB,4CR)[E][SE]: 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. Prerequisite: MATH 0930.

ASTR 1100 Planets Around Stars (3L,2LB4CR): 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 extra-solar planets. Prerequisite: a grade of "C" or better in MATH 0920. ASTR 1000 recommended.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: AUBR 1810.

AUBR 1910 Auto Paint I (2L,2LB,3CR): A course in auto painting, with emphasis on material and equipment handling.

AUBR 1920 Auto Paint II (2L,2LB,3CR): A continuation of AUBR 1910, stressing theoretical and practical aspects of final finishing procedures for complete car refinishing and spot repairs. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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,6LB,5CR): 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 1680 Chassis Fundamentals (2L,2LB,3CR): An introduction to chassis systems, brakes, suspension and alignment. Emphasis will be on basic service and diagnostic procedures.

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 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: AUTO 1510 and 2610.

AUTO 2980 Cooperative Work Experience (Automotive) (1-6CR) (Max. 8)

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: INET 1895.

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): Uncataloged business courses for persons who wish advanced preparation in a specific discipline. Prerequisite: 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. Prerequisite: ACCT 2010.

BIOL 1000 Introduction to Biology I (3L,3LB,4CR)[SB]: 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][SB]: 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 preprofessional life science curricula. It is anticipated that students have had one year of high school biology.

BIOL 1020 Life Science (3L,3LB,4CR)[E] [SB]: 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.

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. Prerequisite: 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. Prerequisite: BIOL 1000, 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. Prerequisite: 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. Prerequisite: BIOL 1000, BIOL 1010 or equivalent.

BIOL 2410 Field Ecology I (5LB,2CR) [E]: A field and laboratory course to introduce research methods in general ecology. Includes required field trips. Prerequisite: BIOL 1010, or permission of the instructor.

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. Prerequisite: 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 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. Prerequisite: student must be a full-time business information systems major and have permission of the instructor.

BUSN 2000 International Business(3L,3CR) [E][G]: 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.

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. Prerequisite: MATH 0930, or an ACT math score of 23 or better or an appropriate COMPASS exam within the past year, or permission of the instructor. High school chemistry strongly recommended. (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. Prerequisite: 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. Prerequisite: 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. Prerequisite: CHEM 1005 or 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. Prerequisite: 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 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. Prerequisite: 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.

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 (.5L,1LB,1CR): Introductory course for students interested in personal computer use. Students will use a microcomputer to gain some hands-on experience in popular business software. Will provide exposure to software packages which could lead to more in-depth and advanced work.

CMAP 1506 Computer Keyboarding II (.5L,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. Prerequisite: 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 hands-on 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 or 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, interprocess 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 Desktop Publishing I (.5-,1.5L, 1-3LB,1-3CR): Provides desktop publishing concepts and hands-on microcomputer training. Advanced techniques of integrating text and graphics to create various business documents will be emphasized. Extra laboratory work will be required. Prerequisite: CMAP 1715 or CMAP 1700,1705 and 1710 or permission of the instructor.

CMAP 1855 Desktop Publishing II (2L,2LB,3CR): This course provides an introduction to desktop publishing. Topics include creating and editing single-page and multi-page publications, using wizards, commercial printing considerations, editing text, colors and graphic design objects, and creating flyers, newsletters, brochures, logos, calendars, and Web pages. Also included are topics covering business forms such as letterheads, business cards, envelopes, labels with mail merge, invoices, fax covers, tables, Web forms for e-commerce, and object linking and embedding. Keyboarding skills equivalent to 20 wpm are needed to succeed.

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. Prerequisite: 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 or concurrent enrollment in CMAP 1615 and CMAP 1715 or equivalent are recommended. 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. Prerequisite: 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. Prerequisite: 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 2010 Ethics and Professional Issues (3L,3CR): Provides an opportunity for study of selected ethical and professional topics in counseling.

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. Prerequisite: election to ASCC Student Senate, or permission of the instructor.

CNSL 2210 Introduction to Student Leadership II (2LB,1CR): A continuation of CNSL 2200.

CNSL 2300 Basic Counseling Skills (3L,3CR)[E]: This course is an introduction to individual and group counseling skills. Focus is on 1) the student learning and practicing the conscious use of self in applying basic individual counseling skills and 2) the student learning and practicing theory and technique of individual and group counseling approaches to provide recognition of dynamics of interpersonal interactions, accurate prediction of dynamics, and effective participation and leadership. Prerequisite: CNSL 2010 or PSYC 2050, or concurrent enrollment in one.

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 (2LB,1CR): Finishing and refinishing procedures for furniture, with emphasis on treatment of fine furniture and antiques.

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. Prerequisite: 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. Prerequisite: 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 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. Prerequisite: 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." Prerequisite: CNTK 1910.

CNTK 2995 Construction Workshop (1CR) (Max. 5): Selected construction topics taught in a seminar setting.

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. Prerequisite: 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. Prerequisite: 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.

CO/M 1000 Introduction to Mass Media (3L,3CR)[E][CS]: 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][O]: 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][CS]: 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. It may be repeated under different topics to a maximum of three credits.

CO/M 1505 Communication for Professional Success (1-3L,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. Prerequisite: permission of the instructor. Students may take this course only twice.

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. Prerequisite: CO/M 1010 or permission of instructor.

CO/M 2100 Reporting and Newswriting I (2L,2LB,3CR)[E][WB]: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: CO/M 1010 or 1030 or permission of instructor.

CO/M 2125 Family Communication (3L,3CR): Designed to explore the role that communication plays in family functioning. Prerequisite: 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 (1L,2LB,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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: CO/M 2230.

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. Prerequisite: ENGL 1010 or permission of instructor.

CO/M 2390 Independent Publications (2LB,1CR) (Max. 3): Students interested in work on the newspaper or the literary/ art magazine will work in advertising, photography, records, circulation, editorial and or writing/editing. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. A student may repeat this course under different subtitles to a maximum of 12 credit hours.

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, currently Visual Basic. Students will participate in software experimentation in a closed laboratory setting. Additional programming exercises will be assigned for students to complete in open laboratories or on their own equipment. Prerequisite: 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, currently C++. Programming assignment and experimentation with software in a closed laboratory supplement the discussion. Previous programming experience required. Prerequisite: COSC 1010 or equivalent.

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. Prerequisite: 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 operation of computers. Topics include the logical organization of computers, structured data and instruction representations in various types of languages, and extensive study of the Assembly Language of the 32 bit Intel microprocessor. Most programming is done at the Assembly Language level. Prerequisite: COSC 2030, or concurrent enrollment.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: COSC 2030, or permission of the instructor.

COSC 2405 MFC Windows Programming in C++ (2L, 2CR): An intermediate level course in developing windows-based applications using the Visual C++ project development platform. Students will use the Visual Studio to create dialog-based applications for the Windows operating systems. Topics will include C++ classes and their use, standard Microsoft components, and placing controls into C++ applications. Prerequisite: 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. Prerequisite: COSC 1010 or COSC 1030.

COSC 2409 Programming: Topic (2-4L,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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Taken concurrently with COTA 2210 and 2320. Prerequisite: COTA 2200, 2300, 2310, 2420, and PSYC 1000.

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. Prerequisite: 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. Taken concurrently with COTA 2100 and 2210. Prerequisite: COTA 2150, 2200, 2300, 2310, 2420.

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. Taken concurrently with COTA 2100 and 2350. Prerequisite: COTA 2020, 2050, 2200, 2300, 2310, and 2420.

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. Taken concurrently with COTA 2330 and 2400. Prerequisite: COTA 2020, 2050, 2200, 2210, 2300, 2310, 2320, 2350, and 2420.

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. Prerequisite: 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. Taken concurrently with COTA 2100 and COTA 2350. Prerequisite: COTA 2020, 2050, 2300, 2310, and 2420.

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. Taken concurrently with COTA 2220 and 2400. Prerequisite: COTA 2020, 2050, 2100, 2200, 2300, 2310, 2320, 2350, and 2420.

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. Taken concurrently with COTA 2210 and 2320. Prerequisite: COTA 2020, 2050, 2200, 2300, 2310, and 2420.

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. Taken concurrently with COTA 2220 and 2330. Prerequisite: COTA 2020, 2050, 2200, 2210, 2300, 2310, 2320, 2350, and 2420.

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. Prerequisite: 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. Prerequisite: COTA 2020, 2050, 2100, 2150, 2160, 2200, 2210, 2300, 2310, 2320, 2350, and 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. Prerequisite: must have successfully completed all academic course work and Level I fieldwork. (May be taken concurrently with COTA 2550 and/or 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. Prerequisite: must have successfully completed all academic coursework and COTA 2500. (May be concurrently taken with COTA 2500 and/or 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. Prerequisite: must have successfully completed all academic coursework, Level I fieldwork and COTA 2500 and 2550. (May be taken concurrently with COTA 2500 and 2550.)

COTA 2975 (Max. 6) Independent Study in OT (1-3CR): This course provides occupational therapy assistant students the opportunities to complete independent research/study in areas of interest within the field of occupational therapy. Prerequisite: Permission of the instructor.

CRMJ 1040 (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. Prerequisite: 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. Prerequisite: 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 intercomponent 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. Prerequisite: completion of, or concurrent enrollment in CRMJ 2120. (Spring semester.)

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. Prerequisite: CRMJ 2120. (Fall semester.)

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. Prerequisite: 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. Prerequisite: CRMJ 2120, or permission of the instructor.

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 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. Prerequisite: sophomore standing and permission of the instructor.

CRMJ 2980 Cooperative Work Experience (Law Enforcement) (*,2- 3CR) (Max. 3): (See "Unit of Credit.") 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.

CRMJ 2995 Workshop: (Subtitle) (2L,2CR): 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. Prerequisite: permission of the instructor.

CROP 2000 Plants, Agriculture and Civilization (3L,2LB,4CR): This course is designed to familiarize the student with agriculture in developed and developing countries, integrate ecosystem concepts in agriculture and to introduce current crises and challenges facing agriculture in the future.

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. Prerequisite: CSCO 2010.

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.

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 torquing, 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 torquing, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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][CS]: 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][CS]: 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.

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. Prerequisite: 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: BIOL 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/ASTR 1070.

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 2480 Cooperative Work Experience in Early Childhood Education (1-6CR) (Max. 6): Students are afforded the opportunity to gain practical, on-the-job experience in an early childhood group setting. Supervision is provided by both the instructional staff of the college and the work site supervisor. Enrollment is limited to majors in early childhood except by permission of the instructor.

EDCI 2495 Workshop: (Subtitle) (1-2CR): Special topics in education offered in response to specific needs or public interest.

EDCI 2505 Introduction to Disabilities (3L,3CR): This course is designed to familiarize paraeducators with the definition and classification of disabilities as recognized in the state of Wyoming and the Natrona County School District. The course also presents material, which will lead to an increased understanding and empathy for such students and the problems that they encounter. Finally, the course examines the best practices and teaching procedures available for educating students with disabilities.

EDCI 2515 Teaching and Learning Strategies (3L,3CR): This course is designed to prepare paraeducators in the use of instructional techniques, which will enhance learning in the classroom. The emphasis is not only upon sharpening classroom skills, but also upon knowledge of the theory behind program design. The course focuses on four major designs: Direct Instruction, Precision Teaching, Teaching Research and Intensive Phonics.

EDCI 2530 Classroom Guidance (3L,3CR): This class is provided as part of the ParaEducator Preparation Program. It is designed to provide an overview of the best practices in both classroom and school wide discipline models. Participants will be given the opportunity to perfect their own management procedures and become more aware of how behavior interactions are affected in the social stratus of a school setting.

EDCI 2550 Educational Interactions (3L,3CR): This course will address the changing dynamics to the educational process involving paraeducators. It is designed to provide the skills and knowledge necessary for teachers and paraeducators to work effectively as a team. Topics will include role clarification, good communication, resolving conflict, and teamwork.

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. Prerequisite: 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. Prerequisite: 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.) Prerequisite: 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.) Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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, "Numbers and Operations for Elementary School Teachers." This is a required course for all prospective elementary teachers. Prerequisite: Concurrent enrollment in MATH 1100.

EDEL 2010 Mentoring in Education (1L,2LB,2CR): This course will focus on specific teaching techniques and strategies utilized when mentoring third and fourth 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 after-school program designed to offer 24 Title I NCSD third- and fourth-grade students the opportunity to focus on a math and science curriculum. Prerequisite: Permission of the instructor.

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. Prerequisite: Concurrent enrollment in MATH 2120.

EDEX 2190 The Gifted Student (1L,1CR): A workshop designed to give teachers and parents information about the education of gifted children. Topics covered are understanding the needs of gifted children, identifying the gifted, providing guidance and counseling, developing creativity, helping the under-achieving gifted, parenting gifted children, teaching the gifted (at home and at school), and using federal, state, and community resources. S and U grade only.

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. Prerequisite: EDFD 2020.

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. Prerequisite: 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, classroom application to the teaching-learning process and examines research design in education. Prerequisite: PSYC 1000.

EDUC 2100 Public School Practicum (2L,4LB,4CR)[E]: Students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a certified mentor teacher. Students will serve a total of 60 hours during the semester (generally serving 6 hours per week for approximately 10 weeks) and also attend one weekly 100-minute class session Prerequisite: EDFD 2020, ENGL 1010 or permission of instructor.

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. Prerequisite: 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. Prerequisite: 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, integrated circuits.

ELTR 1570 Electric Circuits (4L,4CR): Fundamentals of DC and AC circuit analysis, electromagnetics, and single-phase transformers. Prerequisite: MATH 0900, a Compass score of 45 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. Prerequisite: 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. Prerequisite: completion or concurrent enrollment in ELTR 1515 or ELTR 1570, or permission of the instructor.

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. Prerequisite: 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. Prerequisite: 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) (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. Prerequisite: 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. Prerequisite: 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. Prerequisite: completion of ELTR 1700 and MATH 0930, or permission of the instructor.

ELTR 2610 Advanced Microprocessors (2L,2LB,3CR): This course will discuss the design of the HSC12NE64 Microcontroller and its peripheral devices. Advanced C programming of the HSC12NE64 Microcontroller system will also be taught. Prerequisite: 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. Prerequisite: ELTR 1770, or permission of the instructor.

ELTR 2815 Programmable Logic Controllers (2L,4LB,4CR): Assembly, programming and trouble shooting programmable logic controllers in industrial processes. This course will include variable frequency drives, robotics and data communications. Prerequisite: 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. Prerequisite: 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,3LB,3.5CR): 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. Prerequisite: ELTR 2930.

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 1530 Emergency Planning (2L,2CR): Course is designed to walk participants through development of an emergency operations plan. This will be a team approach on how to create an effective, up-to-date emergency plan that meets local, state, and federal requirements.

EMGT 1590 Leadership/Influence and Decision Making/Problem Solving (2L,2CR): Students will learn to apply situational leadership and decision making in emergency management situations.

EMGT 1610 Incident Command System (2L,2CR): An emergency management course as a management tool to assist in managing both large and small emergency events as well as pre-planned events. Topics will include command and general staff, unified command and multi-agency coordination.

EMGT 1630 Emergency Operations Center/ Operations (1L,1CR): This course will provide participants with the knowledge and skills necessary to operate an emergency operations center during an emergency and/or disaster.

EMGT 1650 Resource Management (1L,1CR): This course provides participants with the knowledge and skills to effectively identify, develop and manage a resource management system.

EMGT 1670 ICS/EPC Interface (1L,1CR): This course will review the ICS and EPC model of emergency management operations, including coordination, communication and chief executive decision making.

EMGT 1810 Developing Volunteer Resources (1L,1CR): Participants will recognize and enhance management of volunteer resources involvement in all phases of emergency management.

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.

EMGT 1830 Response to Mass Fatalities (2L,2CR): An emergency management course designed to prepare students, response personnel and other responsible professionals to handle a mass fatality incident effectively by properly caring for the dead and the living - both responders and survivors.

EMGT 2570 Basic Public Information Officer (1L,1CR): This course will provide participants with the basic skills needed to perform public information duties as they relate to emergency management.

EMGT 2610 Disaster Exercises (3L,3CR): The process of planning, executing and evaluating various types of exercises as it pertains to emergency plans of government entities and the private sector.

EMGT 2640 Disaster Resource and Recovery Operations (3L,3CR): Participants will be introduced to basic concepts and operations of a disaster environment, especially in terms of major disaster incidents, and to broaden and enhance their understanding of state and local roles and responsibilities and their importance to overall response and recovery efforts. The course also addresses the coordination and problem-solving aspects of disaster operations.

EMGT 2870 Mitigation Planning (2L,2CR): This course will provide participants with the opportunity to learn and apply skills that will enable them to carry out mitigation responsibilities in accordance with the National Mitigation Strategy and applicable regulations and standards.

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).

ENGL 0465 Introduction to Writing for the Trades (1L,1CR): This course is designed to improve student's writing performance in the genres of workplace English, as a part of improving their workplace communication skills. It focuses on improved writing skills for real work situations. Prerequisite: high school level reading ability. Placement based on COMPASS test scores and primary instructor recommendations.

ENGL 0500 Reading for Success (2-6 LB,1-3CR): Individualized, self-paced instruction in developing reading comprehension. Levels vary from seventh grade up through college. S, X or U grade only. Prerequisite: at least seventh grade reading ability.

ENGL 0510 Fundamentals of Reading I (3L,3CR): This course will focus on reading as a process and building literacy skills. Specific comprehension development will emphasize vocabulary development, locating main ideas, identifying specific details, identifying relationships, summarizing, paraphrasing, and responding to readings. Students will learn to read for different purposes through the use of fiction and non-fiction sources. S/U or letter grade. Prerequisite: High school reading level.

ENGL 0520 Fundamentals of Reading II (3L,3CR): This course will focus on reading as a process, and skills specifically emphasized include vocabulary, identifying main ideas, finding and categorizing details, and seeing relationships. It will also focus on reading for different purposes including textbooks and literary texts. S/U or letter grade. Prerequisite: Acceptable performance on Reading Placement test or satisfactory completion of ENGL 0510.

ENGL 0550 Reading Efficiency (2LB,1CR): Individualized, self-paced instruction in increasing reading speed and improving comprehension. S, X or U grade only. Prerequisite: seventh grade reading ability.

ENGL 0600 Basic Writing I (3L,2LB,4CR): A beginning course in the English composition course sequence. Basic Writing I seeks to strengthen the student's writing fluency through study of selected elements of basic composition. These include grammar, spelling, and punctuation as well as sentence and paragraph construction. The course introduces students to different patterns of organization and various types of paragraphs through assigned readings and multiple-draft writing assignments. Students have the option of receiving S/U or letter grades.

ENGL 0610 Basic Writing II (3L,3CR): This course provides a review of writing skills requisite to success in ENGL 1010. This class is designed to assist students in strengthening their writing skills and the ability to use outside readings related to their writing. Writing will consist of thesis driven essays geared toward various patterns of development. Students are given the option of receiving S/U grades. Students receiving a "C" or better in any 1000 or 2000 level English course may not subsequently earn credit in ENGL 0610. Prerequisite: acceptable performance on an English Placement Test or satisfactory completion of ENGL 0600.

ENGL 0630 Grammar and Writing Improvement (2-6 LB,1-3CR) (Max. 9): Self-paced individualized instruction in the fundamentals of grammar, usage, proofreading skills, and sentence and paragraph construction. Designed to prepare students for other writing courses or writing tasks in the workplace. Students needing an intensive review should enroll for three credits. Open entry until midterm. S, X or U grade only. Prerequisite: high school level reading ability.

ENGL 0650 Preparing and Writing the Research Paper (2LB,1CR): Individualized, self-paced course in developing library research skills, presenting research in written form, and learning the MLA and APA manuscript styles. Students will write two papers. S, X or U grade only. Prerequisite: high school level reading ability.

ENGL 0710 Vocabulary Building (2-4 LB, 1-2CR) (Max. 4): Individualized, self-paced instruction in structural and contextual analysis of words. Levels extend from ninth grade through college graduate. S, X or U grade only. Prerequisite: ninth grade reading ability.

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. Prerequisite: a high school level reading ability.

ENGL 0810 Spelling Improvement (2-4LB, 1-2CR) (Max. 4): Self-paced, individualized instruction and practice in phonics rules and memory techniques needed to spell the most common English words correctly. Students may also study the most common business and medical words. S, X or U grade only. Prerequisite: at least seventh grade reading ability.

ENGL 0895 Study Skills (2-6 LB,1-3CR) (Max. 9): Individualized, self-paced instruction in time management, goal setting, textbook reading strategies, note-taking strategies, memory techniques, library use, and strategies for preparing for taking tests. S, X or U grade only. Prerequisite: high school level reading ability.

ENGL 1010 English I: Composition (3L,3CR) [E][WA]: 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. Prerequisite: COMPASS writing and reading scores of 75 or higher or ACT English score of 20 or higher or SAT verbal score of 450 or higher or successful completion (grade of C or higher) of ENGL 0610 and ENGL 0520 or equivalent compass test scores of 75 or higher for each.

ENGL 1020 English II: Composition (3L,3CR) [WB]: 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. A research paper is required. Prerequisite: a grade of "C" or higher in ENGL 1010.

ENGL 1490 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.

ENGL 1500 Beginning Grant Writing: (Subtitle) (3L,3CR): A workshop designed for beginning grant writers who are typically the staff of nonprofit organizations, government organizations, educators and/or community citizens whose job and/or interests require them to raise funds through grants. This course covers prospect research, proposal development and budgeting for proposals submitted to private foundations.

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 Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 2010 Technical Writing I (3L,3CR) [WB]: Students develop technical reports like those generally used in business and industry. Professional publications, letters, graphs, abstracts, and technical documentation are also covered. Prerequisite: 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 filed of Young Adult fiction, and an overview of many of the subgenres of the field. Prerequisite: ENGL 1010.

ENGL 2025 J.R.R. Tolkien and C.S. Lewis: The Men, Their Careers, Their Writings (3L,3CR): This course will deal with the biographies, the professional teaching and scholarly careers, and variety of writings of two of the 20th Century's most prolific and influential writers, Tolkien and Lewis. Readings will include both authors' literary criticism as well as their more popular works. Topics will include their years at Oxford; their service in World War I; their concern with other literatures, such as Classics, Icelandic sagas, and medieval romances; and their philosophies of story and myth. Prerequisite: ENGL 1010. ENGL 1020 recommended.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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, Prerequisite: 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. Prerequisite: 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 twentieth century. Attention is given to the influence of history upon our culture and the changes in thinking brought about by scientific discovery. Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 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. Prerequisite: ENGL 1010. ENGL 1020 recommended. (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. Prerequisite: 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. Prerequisite: ENGL 1010. ENGL 1020 recommended. (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. Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 2210 English Literature I (3L,3CR) [CH]: 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. Prerequisite: 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. Prerequisite: 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 literacy critics in order to arrive at a more complete understanding of Shakespeare's plays, both as literature and performance. Prerequisite: ENGL 1010, or permission of the instructor. ENGL 1020 recommended. (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. Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 2235 Literature of the Supernatural (3L,3CR)[E]: A study of the development and traditions of the supernatural in American literature. Class readings will consist mostly of prose fiction, although there will be a few assigned readings of nonfiction. Prerequisite: 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 revision traditional roles and envision new realities for women and for society. Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 2310 American Literature I (3L,3CR) [CH]: A survey of major American writers and their significant contributions from the Colonial Era to the Civil War. Prerequisite: 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. Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 2340 Native American Literature (3L,3CR)[E]: A broad cultural study of Native American literature with attention to folklore, oral tradition, and contemporary writers. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ENGL 1010. ENGL 1020 recommended.

ENGL 2500 Grant Writing II (3L,3CR): A workshop designed for students who have some experience writing grants or who have completed Beginning Grant Writing at Casper College. Prerequisite: ENGL 1010. ENGL 1020 recommended.

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. Prerequisite: ENTK 1510, or permission of the instructor.

ENTK 1505 Introduction to GIS (2L,4LB,4CR): An introductory course in geographic information systems (GIS) and an accompanying lab session. (Cross-listed as GEOG 1100.)

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. The students learn to integrate weldments, fasteners, sheet metal parts and web-based design tools into assemblies. In addition, students realize the importance of file management tools in assemblies. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: ENTK 1510, or permission of the 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. Prerequisite: 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. These tools aid the designer during the product development phase of a project. Prerequisite: 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. Prerequisite: ENTK 1750 and 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. Prerequisite: ENTK 2505 and 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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." Prerequisite: 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. Prerequisite: permission of the instructor.

ES 1000 Introduction to Engineering Orientation (1L,1CR)[E][I][L]: Orientation course to provide students with exposure to all forms of engineering.

ES 1060 Introduction to Engineering Computing (2L,2LB,3CR)[E]: 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. Prerequisite: MATH 2200.

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. Prerequisite: 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. 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. Prerequisite: ES 2120, MATH 2210.

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. Prerequisite: MATH 2210, MATH 2310, or concurrent enrollment.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 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 nonmajors.

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. Prerequisite: 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-12 years of age. Prerequisite: PSYC 2300, or concurrent enrollment.

FDSC 2100 Meat Evaluation (4LB,2CR)[E]: The study and evaluation of beef, sheep and swine carcasses for both quality and yield grades and the identification of wholesale and retail cuts and the quality factors associated with those cuts of beef, sheep, and swine. Prerequisite: ANSC 1210.

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. Prerequisite: 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. Prerequisite: 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 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. Prerequisite: 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 fire-fighter 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 wildland 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 wildland fire fighting tactics, safety, and leadership. Prerequisite: 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 wildland fire. A field day will be required for completion of course. Prerequisite: FIRE 1810.

FIRE 1830 Intermediate Wildland Fire Behavior (3L,3CR): Designed to expose the students to a more in-depth look at wildland fire behavior. Incorporates the relations between fuels, weather, and topography. Also, a more in-depth look into firefighter safety is taken. Prerequisite: 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 handcrew and engine supervision. Prerequisite: FIRE 1810, 1820 and 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. Prerequisite: 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. Prerequisite: 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 first hand 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 0900 French for Travelers (1L,1CR): A course of simple French to help the traveler make plans, obtain tickets, order meals, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: A grade of "C" or better in FREN 2030, CLEP test result, or instructor's permission.

GEOG 1000 World Regional Geography (3L,3CR)[E][CS][G]: 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][SE]: 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. Prerequisite: 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 compliment 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. (Cross-listed as ENTK 1505.)

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. Prerequisite: GEOG 1100.

GEOG 2100 Advanced GIS (2L,4LB,4CR): An advanced GIS course. The students will be split up into teams and will be 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. Prerequisite: 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 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. Prerequisite: 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. Prerequisite: 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][SE]: 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][SE]: 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][SE]: 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. Prerequisite: 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 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. Prerequisite: 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. Prerequisite: 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 rock-forming minerals.

GEOL 2020 Introduction to Petrology (3L,2LB,4CR): Introduces the study of igneous and metamorphic rocks in hand sample and thin section. Covers textural and mineralogical features of igneous and metamorphic rocks, chemistry of igneous rocks, phase diagrams controlling mineral crystallization in igneous and metamorphic rocks and tectonic environments in which various igneous and metamorphic rocks are found. Field trip required. Prerequisite: GEOL 2010.

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][SE]: 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. Prerequisite: GEOL 1100 and at least two other geology classes.

GEOL 2100 Stratigraphy and Sedimentation (3L,2LB,4CR)[E]: A basic course in stratigraphy and sedimentation which stresses depositional, environmental, and age relationships of sedimentary rock. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 0900 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: A grade of "C" or better in GERM 2030, CLEP test result, or instructor's permission.

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. Prerequisite: 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 [CH][D] (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 (.5L-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. This course may be repeated for a maximum of three credit hours. Prerequisite: WMST 1080, GNDR 1000, PSYC 2060 or permission of the instructor.

HIST 1110 Western Civilization I (3L,3CR)[E] [CH]: 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) or (4L,4CR)[E][V]: 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)[E][V] or (4L, 4CR): 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][V]: 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 2100 Western Civilization I (4L,4CR): 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 2110 Western Civilization II (4L,4CR): 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 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 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 2475 Independent Study (1-3CR): An opportunity for students to develop projects in their particular area of interest within the history discipline.

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 0950 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).

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 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 well being. 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 1405 Assistive Technology Practicum (6L,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.

HLTK 1410 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 1420 Equine Assisted Therapy Practicum (6L,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.

HLTK 1430 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 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.

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. Prerequisite: 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. Prerequisite: 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 only be learning 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.

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. S or U grade only.

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. S/U grade.

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. S/U grade.

HMDV 2490 Topics: (Subtitle) (1-3CR) (Max. 5): Provides special consideration of focused topic areas in human development. S/U grade.

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. S/U grade.

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. Prerequisite: 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. Prerequisite: ENGL 1010. (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. Prerequisite: ENGL 1010. (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, 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. Prerequisite: 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): The student will be required to read four books concerning humanistic values for each hour 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. A student may repeat this course under different subtitles to a maximum of 12 credit hours.

HUMN 2490 Special Topics in Humanities: (Subtitle) (2-3L,2-3CR) (Max. 12): This course (with specific subtitles) will be offered periodically. A student may repeat this course under different subtitles to a maximum of 12 credit hours.

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. Prerequisite: 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. Prerequisite: 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 (3L,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 their advertising resources to take advantage of this phenomenon, web marketing is becoming an increasingly valuable and powerful tool.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: permission of the instructor.

ITEC 2360 Teaching with Technology (2L,2LB,3CR or 3L,3CR)[E]: Introduction to effective utilization 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. Prerequisite: EDFD 2020.

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. Prerequisite: 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. Prerequisite: 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 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. Prerequisite: ZOO 2040/2041.

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. Concurrent enrollment in KIN 2068 is required. Prerequisite: KIN 1052, KIN 1058, ZOO 2040, and ZOO 2041.

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. Concurrent enrollment in KIN 2078 is required. Prerequisite: KIN 2057.

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 1058 are applied in the clinical and field settings. Concurrent enrollment in KIN 1058 is required. Prerequisite: KIN 1052.

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 1058 are applied in the clinical and field settings. Concurrent enrollment in KIN 2058 is required. Prerequisite: KIN 1052 and KIN 1058.

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. Concurrent enrollment in KIN 2057 is required. Prerequisite: KIN 1052, KIN 1058, ZOO 2040, ZOO 2041.

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. Prerequisite: 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. Prerequisite: 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 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. Prerequisite: LATN 1020 or equivalent.

LEGL 1610 Paralegalism I (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 Paralegalism II (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. Prerequisite: 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. Prerequisite: 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 Wesltaw. Students complete research exercises and write an interoffice memorandum. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: LEGL 1710.

LIBS 2280 Literature for Children (3L,3CR) [E][CH]: 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. Prerequisite: ENGL 1020.

MATH 0900 Pre-Algebra Arithmetic (3L,3CR): The study of operations of addition, subtraction, multiplication, and division of whole numbers, integers, fractions and decimals. Also includes the study of percents, ratios, and if time permits, introductory algebra. Prerequisite: ACT Math score below 14; or a COMPASS placement score in the Pre-Algebra domain below 45.

MATH 0910 Elementary Algebra, Topic I: Intro/Solving Linear Equations (1L,1CR): The study of signed numbers, algebraic expressions and algebraic equations. Prerequisites: MATH 0900 with a C or better, a Math ACT of 19-20, or a Compass placement score of Pre-Algebra 45-100 or Algebra 0-39.

MATH 0911 Elementary Algebra, Topic II: Graphs/Systems of Equations (1L,1CR): The study of solution methods for linear equations, graphing linear equations and system of equations. Prerequisites: MATH 0900 with a C or better, a Math ACT of 19-20, or a Compass placement score of Pre-Algebra 45-100 or Algebra 0-39.

MATH 0912 Elementary Algebra, Topic III: Polynomials/Exponents (1L,1CR): Working with exponential and polynomial expressions. Prerequisites: MATH 0900 with a C or better, a Math ACT of 19-20, or a Compass placement score of Pre-Algebra 45-100 or Algebra 0-39.

MATH 0913 Elementary Algebra, Topic IV: Factoring (1L,1CR): Factoring polynomial expressions and solving quadratic equations. Prerequisites: MATH 0900 with a C or better, a Math ACT of 19-20, or a Compass placement score of Pre-Algebra 45-100 or Algebra 0-39.

MATH 0920 Elementary Algebra (4L,4CR): The study of signed numbers, algebraic expressions and algebraic equations. Includes study of solution methods for linear equations, graphing linear equations, system of equations and factoring quadratics. Prerequisite: 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.

MATH 0924 Pre-Algebra and Beginning Algebra (5L,5CR): An accelerated course covering both Pre-Algebra and Elementary Algebra in one semester. This course will provide students with the basics of arithmetic including the study of operations of addition, subtraction, multiplication, and division of whole numbers, integers, fractions and decimals. This course also includes the study of percents, ratios, and the basics of introductory algebra including algebraic expressions and algebraic equations. Also included is the study of solution methods for linear equations, graphing linear equations, system of equations, and factoring quadratics. Prerequisite: ACT Math score of 10-13; or a COMPASS placement score in the Pre-Algebra domain of 30-44, within the past year or a C or better in MATH 0920 or 0924.

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 equations, radical equations, quadratic equations, exponential equations and logarithmic equations. Includes numerous applications of these equations and the study of graphing. Prerequisite: ACT Math score of 21 or better; 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 0924.

MATH 0934 Elementary and Intermediate Algebra (5L,5CR): An accelerated course covering both Elementary and Intermediate Algebra in one semester. This course will provide the fundamentals of numbers, numeric and algebraic expressions and equations, fractions, exponents, radicals, linear and quadratic inequalities, systems of linear equations, and functional notation. Students enrolling in this course must have a good background in pre-algebra and must be prepared to devote sufficient time and effort to complete the standard two-course sequence in one term. Prerequisite: ACT Math score of 19-20; or a COMPASS placement score in the Algebra domain of 28-39, within the past year.

MATH 1000 Problem Solving (3L,3CR) [E][QA]: Focuses on the strategies of problem solving. Topics in the course are taken from financial mathematics, set theory, logic, probability, statistics and discrete mathematics. Prerequisite: a "C" or better in MATH 0920 or MATH 0924; or an ACT Math score of 21 or better; or a COMPASS placement score in the Algebra domain of 40-65, within the past year.

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. Prerequisite: 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][QB]: 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. Prerequisite: a "C" or better in MATH 1100.

MATH 1400 Pre-Calculus Algebra (4L,4CR) [E][QA]: Elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence. Includes exponential and logarithmic functions. Prerequisite: 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.

MATH 1405 Pre-Calculus Trigonometry (3L,3CR)[E][QA]: The study of circular functions, identities, trigonometric equations, applications of trigonometric functions, and conics. Designed for mathematics, science and engineering majors preparing for the regular calculus sequence. Prerequisite: 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][QA]: 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. Prerequisite: 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. Deletes credit for MATH 1400, and two hours of MATH 1405.

MATH 1510 Technical Mathematics I (4L,4CR): The fundamentals of mathematics for the technical fields. Topics taken from algebra and trigonometry that apply directly to technical fields. The course includes an extensive review of algebra. Use of the hand-held calculator will be stressed in problem solving. Prerequisite: 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.

MATH 2120 Geometry and Measurement for Elementary School Teachers (3L,3CR) [E][QB]: 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. Prerequisite: a "C" or better in MATH 1105. Concurrent enrollment in EDEL 2410.

MATH 2200 Calculus I (5L,5CR)[E] [QB]: Introduction to the calculus of single variables. Covers derivatives of polynomial, trigonometric, exponential and logarithmic functions. Includes limits, applications of derivatives and related theorems. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: a "C" or better in MATH 2210.

MATH 2350 Business Calculus I (4L,4CR) [E][QB]: The study of single variable calculus emphasizing applications in business, social and behavioral, or life sciences. Prerequisite: 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]: A study of finite mathematics emphasizing business, behavioral and social sciences. Topics include finance, matrix theory, linear programming, and game theory. Additional topics can include probability, statistics and exponential distributions. Prerequisite: MATH 2350 and STAT 2050 must be taken either prior to or concurrently with MATH 2355.

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. Prerequisite: sufficient mathematics to handle the project.

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. Prerequisite: MCHT 1610.

MCHT 1640 Basic Machining Practice (4L,12LB,10CR): Introduction to benchwork and machining processes. Includes work on saws, drilling machines, engine lathes, milling machines.

MCHT 1650 Intermediate Machining Practice (4L,12LB,10CR): A continuation of MCHT 1640 with more complicated machining operations and theory. Prerequisite: 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. Prerequisite: permission of the instructor.

MCHT 2650 Advanced Machining Practice (2L,14LB,9CR): Advanced theory and machine operation for second-year students. Prerequisite: MCHT 1650.

MCHT 2780 Computer Numerical Control (CNC) Machining Center (2L,4LB,4CR): An introductory course in 3-axis CNC machining center programming and 2-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 2-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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: BIOL 1000 or BIOL 1010, and MOLB 2210.

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. Prerequisite: BIOL 1000 or BIOL 1010, and MOLB 2210.

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. Prerequisite: BIOL 1000 or BIOL 1010, and MOLB 2210.

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 Phlebotomy Practicum (12LB,3CR): 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.

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. Prerequisite: CHEM 1025, CHEM 1028, MATH 1400, and MLTK 1800.

MLTK 2600 Clinical Microbiology (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. Prerequisite: MOLB 2220.

MLTK 2700 Immunology (3L,2LB,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. Prerequisite: MOLB 2220, 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. Prerequisite: MLTK 1500, MLTK 1600, MLTK 1700, MLTK 2500, MLTK 2600, and MLTK 2700.

MLTK 2971 Clinical Practicum: Hematology (40 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. Prerequisite: MLTK 1500, 1600, 1700, 2500, 2600, 2700. Access to computer technology and internet services.

MLTK 2972 Clinical Practicum: Chemistry (40 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. Prerequisite: MLTK 1500, 1600, 1700, 2500, 2600, 2700. Access to computer technology and internet services.

MLTK 2973 Clinical Practicum: Immunohematology (40 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. Prerequisite: MLTK 1500, 1600, 1700, 2500, 2600, 2700. Access to computer technology and internet services.

MLTK 2974 Clinical Practicum: Microbiology (40 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. Prerequisite: MLTK 1500, 1600, 1700, 2500, 2600, 2700. Access to computer technology and internet services.

MLTK 2976 Clinical Practicum: Serology (40 hours/2CR): 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. Prerequisite: MLTK 1500, 1600, 1700, 2500, 2600, 2700. Access to computer technology and internet services.

MLTK 2977 Clinical Practicum: Urinalysis and Body Fluids (40 hours/2CR): 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. Prerequisite: MLTK 1500, 1600, 1700, 2500, 2600, 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. Prerequisite: MOLB 2210. (Spring semester.)

MUSC 0200 Convocation (0CR): Twice-monthly recital hour for students and guest performers. In addition to the scheduled convocations, students will be required to attend ten 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. Prerequisite: music majors only.

MUSC 1000 Introduction to Music (3L,3CR)[E][CA]: 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; an introduction to the historical and philosophical foundations of music education. A field experience is required. Prerequisite: 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 sightsinging (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. Prerequisite: 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 sightsinging (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. Prerequisite: 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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. Prerequisite: 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. Prerequisite: MUSC 1030, 1035, 1040, 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. Prerequisite: MUSC 1030, 1035, 1040, 1045, 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. Prerequisite: MUSC 1030, 1035, 1040, 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. Prerequisite: MUSC 1030, 1035, 1040, 1045, 1330.

MUSC 1378 College Band (2LB,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. Prerequisite: 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. Prerequisite: 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. Prerequisite: MUSC 2060, concurrent enrollment in MUSC 2060, or permission of the instructor.

MUSC 1390 Jazz Ensemble I (2LB,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. Prerequisite: permission of the instructor.

MUSC 1400 Collegiate Chorale (2LB,1CR) (Max. 4)[E][CA]: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: permission of the instructor.

MUSC 1410 Vocal Ensemble (2LB,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. Prerequisite: audition with the instructor.

MUSC 1420 Opera Workshop (2LB,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.

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. Prerequisite: permission of the instructor.

MUSC 1450 Percussion Ensemble (2LB,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.

MUSC 1451 Mallet Reading Laboratory (1LB,.5CR): Weekly reading sessions designed to give percussion majors an opportunity to develop their music reading skills in ensemble situations. S/U grade only. Prerequisite: percussion major, or permission of the instructor.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: permission of the instructor.

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. Prerequisite: 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 sightsinging (chromatic melodies). Designed to aid the student in transforming notation into sound and sound into notation. Required for all music majors. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: MUSC 2060.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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. Nonmusic majors must have permission of the instructor. Prerequisite: 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. Nonmusic majors must have permission of the instructor. Prerequisite: 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. (Pass/fail only)

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. Prerequisite: MUSC 2410. (Spring semester.)

MUSC 2465 Directed Studies in Music: (Subtitle) (1-3CR) (Max. 6): Individualized investigation of selected topics under the supervision of a faculty member. Prerequisite: permission of the instructor.

MUSC 2475 Independent Study Audio/ Recording (1-3CR): Students will independently produce and engineer a recording project. Prerequisite: completion of or concurrent enrollment in MUSC 2410, 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. Prerequisite: 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. Prerequisite: admission to the nursing program. Concurrent enrollment: NRST 1610,1615. (Fall semester).

NRST 1610 Fundamentals of Nursing (4L,9LB,7CR): 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 a means of assisting persons across the lifespan to adapt to stressors in the environment. Guided learning experiences in the laboratory are correlated with classroom instruction. Prerequisite: admission to the nursing program. Concurrent enrollment in NRST 1605, 1615.

NRST 1615 Nursing Process I (2L,3LB,3CR): 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 neurosensory, cardiovascular, respiratory, and integumentary systems. Guided learning experiences in various community facilities are correlated with classroom and laboratory instruction. Prerequisite: NRST 1610. 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. Prerequisite: NRST 1605, 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. Prerequisite: NRST 1615, concurrent enrollment: ZOO 2020 (if not taken previously), NRST 1625.

NRST 1970 Practical Nursing Roles and Practicum (.5L,7.5LB,3CR): The focus is on the role of the Licensed Practical Nurse (LPN). It includes an exploration of the role and scope of practice of the LPN with re-emphasis on professionalism and ethical/ legal dimensions.. Emphasis will be placed on the practicum and clinical skills. At the conclusion of this course, students will be eligible to apply for licensure as an LPN. Students are encouraged to continue their ADN education with the last two semesters following this course. Prerequisite: NRST 1625, 1630.

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. Prerequisite: NRST 1625, NRST 1630, ZOO 2020, 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. Prerequisite: 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. Prerequisite: NRST 2635. Concurrent enrollment in NRST 2645. (Spring semester.)

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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: 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 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 Firefighter Fitness (1L,2LB,2CR): This course is designed to give students an understanding of the importance of physical fitness, cardiovascular conditioning, muscular strength, muscular endurance and flexibility, and its relevance to the fire service.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: permission of instructor.

PEAT 1075 Varsity Basketball I (2LB,1CR) (Max. 4)[E]: Team competition with regular practice sessions. Prerequisite: permission of the instructor.

PEAT 1076 Varsity Basketball II (2LB,1CR) (Max. 4)[E]: Team competition with regular practice sessions. Prerequisite: permission of the instructor.

PEAT 1080 Varsity Volleyball I (2LB,1CR) (Max. 2)[E]: Team competition with regular practice sessions. Prerequisite: permission of the instructor.

PEAT 1085 Varsity Volleyball II (2LB,1CR) (Max. 2)[E]: Team competition with regular practice sessions. Prerequisite: permission of the 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. Prerequisite: 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. Prerequisite: permission of the instructor.

PEAT 2076 Varsity Basketball IV (2LB,1CR) (Max. 4)[E]: Team competition with regular practice sessions. Prerequisite: permission of the instructor.

PEAT 2080 Varsity Volleyball III (2LB,1CR) (Max. 2)[E]: Team competition with regular practice sessions. Prerequisite: permission of the instructor.

PEAT 2085 Varsity Volleyball IV (2LB,1CR) (Max. 2)[E]: Team competition with regular practice sessions. Prerequisite: permission of the instructor.

PEPR 1005 Introduction to Physical Education and Sport (2L,2CR)[E][I][L]: 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, 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. Prerequisite: BIOL 1000, FCSC 1141, ZOO 2040, 2041, and 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. Prerequisite: permission of the instructor.

PHIL 1000 Introduction to Philosophy (3L,3CR)[E][CH]: 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. Prerequisite: ENGL 1010.

PHIL 2300 Ethics in Practice (3L,3CR)[E] [CH]: 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. Prerequisite: ENGL 1010.

PHIL 2420 Critical Thinking (3L,3CR)[E] [CH]: The art of critical thinking: how to analyze logical arguments, to construct logical arguments, and to expose fallacies in fallacious reasoning. Prerequisite: 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; 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. Prerequisite: 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 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. Prerequisite: PHTK 1500. Concurrent enrollment in PHTK 1650 and 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. Prerequisite: PHTK 1600. Concurrent enrollment in PHTK 1630, 1720 and 2971.

PHTK 1630 Calculations for Compounding (1L,1CR): Application of basic mathematics as it applies to compounding and dispensing prescriptions. Prerequisite: HLTK 1000 and PHTK 1600. Concurrent enrollment in PHTK 1610, 1720 and 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. Prerequisite: PHTK 1500. Concurrent enrollment in PHTK 1600 and 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. Prerequisite: 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 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. Prerequisite: PHTK 1710. Concurrent enrollment in PHTK 1610, 1630, and 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. Prerequisite: PHTK 1500, 1600, 1650, 1710, CMAP 1615, and BOTK 1655. Concurrent enrollment in PHTK 1610, 1630, 1720, or permission of the instructor.

PHTK 2972 Retail Pharmacy Tech: Practicum II (2L,10LB,7CR): Provides practical application and integration of pharmacy skills in an actual retail pharmacy environment (on-the-job training). Prerequisite: PHTK 1600, 1610, 1630, 1720, 2971.

PHTK 2973 Pharmacy Tech: Practicum III (2L,12LB,8CR): Provides practical application of pharmacy skills in acute care hospitals, ambulatory care, and long-term care in skilled facilities. Prerequisite: PHTK 1600, 1610, 1630, 1720, and 2971.

PHYS 1050 Concepts of Physics (3L,3LB,4CR)[E][SP]: One semester course for those students whose curricula call for an introduction to elementary physical concepts. Prerequisite: MATH 0920.

PHYS 1090 Fundamentals of Physical Universe (3L,2LB,4CR)[E][SP]: 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][SP]: 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. Prerequisite: MATH 0930 or an ACT math score of 23 or better or an appropriate COMPASS exam within the past year.

PHYS 1120 General Physics II (3L,3LB,4CR)[E][SP]: 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][SP]: First semester course in physics designed for those majoring in physics, engineering, mathematics, or physical sciences. Topics covered are mechanics and heat. Prerequisite: MATH 2200.

PHYS 1320 College Physics II (4L,2LB,4CR)[E][SP]: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: PHYS 1320 concurrently and MATH 2205.

POLS 1000 American and Wyoming Government (3L,3CR)[E][V]: 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 yearlong 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. Prerequisite: 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. Prerequisite: Application, POLS 1020, and permission of the instructor.

POLS 1200 Non-Western Political Cultures (3L,3CR)[E][CS][G]: 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. Prerequisite: POLS 1000, or permission of the instructor.

POLS 2200 The Politics of Europe and the European Union (3L,3CR)[E]: Examines formal and informal aspects of politics in Britain, other West European countries, and the European Union.

POLS 2310 Introduction to International Relations (3L,3CR)[E][G]: 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. Prerequisite: 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. Prerequisite: POLS 1000.

POLS 2460 Introduction to Political Theory (3L,3CR)[E]: A survey of selected writings in the history of Western political theory from the classical period to the present. Prerequisite: 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. Prerequisite: Admission to Power Technology program.

POWR 1565 Power Plant Water Treatment (3L,3CR): An introduction to the basic water treatment processes that may be 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: successful completion of POWR 1500 or concurrent enrollment in POWR 1600.

PSYC 1000 General Psychology (3L,3CR) [E][CS]: 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][WB]: 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. Prerequisite: an introductory course in psychology, completion of ENGL 1020, STAT 2050, 2070 or other four-hour statistic course with lab. Earned letter grade of "C" or better is required in each prerequisite course.

PSYC 2005 Forensic Psychology (3L,3CR): This is an introductory level course that surveys the application and practice of forensic psychology in both the civil and criminal justice systems. The following topics are included: police and investigative psychology, family forensic psychology, psychology of crime and delinquency, victimology and victim services, legal psychology, expert witness testimony, and correctional psychology. Prerequisite: PSYC 1000 or equivalent.

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. Prerequisite: PSYC 1000 or SOC 1000.

PSYC 2030 Psychology of Health (3L,3CR): This course will provide an introduction to the field of health psychology which is concerned with understanding how biological, psychological, social and cultural factors are involved in physical health and the prevention of illness. Prerequisite: PSYC 1000 or equivalent.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: three to four hours of a 1000 level introductory psychology or biology course. (Cross-listed as SOC 2200.)

PSYC 2205 Psychology of Deaf Persons (3L,3CR): This course provides an introduction to the field of deafness from a psychological perspective. The effect of deafness on sensory, perceptual, cognitive, intellectual, linguistic and social-psychological processes will be considered. Clinical topics related to the impact of deafness and hearing impairment on children and families will also be covered. Selected contemporary issues such as the communications controversy, mainstreaming and the role of technology will be discussed. Students will have an opportunity to study basic concepts in American Sign Language (ASL) in the context of deaf culture. Prerequisite: PSYC 1000.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: three to four hours of 1000 level introductory psychology.

PSYC 2305 Psychology of Language (3L,3CR): This course will explore the psychological processes involved in language use. Topics include the perception of speech, parsing, memory for language, slips of the tongue, conversation, acquisition of a first language, brain mechanisms associated with language, and cultural facets of language. Prerequisite: PSYC 1000.

PSYC 2330 Psychology of Adjustment (3L,3CR)[E]: This course is designed to bring students to an understanding of the more common problems of personal adjustment in terms of the general principles of psychology. Prerequisite: PSYC 1000.

PSYC 2340 Abnormal Psychology (3L,3LB,3CR)[E]: A general study of abnormal behaviors including types, etiology, and treatment approaches. Prerequisite: seven hours of psychology or PSYC 1000 and four credits of biology.

PSYC 2345 Adult Psychology (3L, 3CR): This is an introductory course to overview the life span from adulthood to later maturity, the theoretical and research bases for adult development, successful aging and adult transitions. Research methodology on adult development will be emphasized. Prerequisite: PSYC 1000.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: PSYC 1000, BIOL 1000 (or equivalent), HLTK 1200.

PSYC 2395 Gero-Psychology (3L,3CR): This is a course in the psychological and gerontological study of the meaning of age, the aging process, and the aged. Paradigms of elderhood and senescence as well as the mental, physical and self aspects of aging are emphasized. Prerequisite: PSYC 1000.

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. Prerequisite: 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,3LB,2CR) : Supervised experience in working with individuals who have acquired brain injuries (ABI) in several community based settings. A minimum of 60 hours per credit is spend during this off-campus practicum at cooperating treatment agencies/facilities to provide the opportunity for trainees to gain work experience in the field and to apply knowledge acquired in previous course work. This time will be scheduled, structured, and supervised by a certified or licensed professional. S/U grading only. Prerequisites: PSYC 2390, HLTK 0950, HLTK 1620, CPR and AED.

PTEP 2500 Introduction to Paramedic Technology (8L,6LB,10CR): 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. Prerequisite: 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. Prerequisite: Successful completion of PTEP 2500, concurrent enrollment in PTEP 2600 and permission of the instructor.

PTEP 2600 Paramedic Technology Medical Emergencies (8L,6LB,10CR): 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. Prerequisite: 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. Prerequisite: 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 (8L,6LB,10CR): 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. Prerequisite: 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,32LB,13.66CR): 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 eduction 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: RDTK 1610 and 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 (1.5LB,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; coccyx, bony thorax, digestive, urinary systems including a study of contract media and fluoroscopy. Pediatric studies will also be included. Prerequisite: 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. Prerequisite: ZOO 2040, 2041, 2110, and RDTK 2810. (Fall semester.)

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. Prerequisite: RDTK 1610, 2710, and ZOO 2040, and 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 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. 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: sophomore standing or graduate technologist.

RELI 1000 Introduction to Religion (3L,3CR) [E][CH][G]: 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 and an introduction to respiratory pathology. Prerequisite: admission into the respiratory therapy program and BLS certification. (First year summer semester.)

RESP 1505 Cardiopulmonary Anatomy and Physiology (2L,2CR): This course will cover the anatomy and physiology of the cardiopulmonary systems. Prerequisite: admission into the respiratory therapy program. (First year summer semester.)

RESP 1507 Respiratory Therapy I (3L,3CR): This course will cover physical assessment, oxygen administration, humidification, bronchial hygiene and airway management. This course will also include continuation of study in respiratory pathologies. Prerequisite: RESP 1500, 1505. (First year fall semester.)

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 and lung expansion therapy. Prerequisite: RESP 1500, 1505. (First year fall semester.)

RESP 1518 Respiratory Practicum I (12LB,3CR): Students will rotate to several clinical sites in order to observe and practice under direct supervision. These rotations will include patient assessment, oxygen administration, aerosol and humidity therapy, medication delivery and lung expansion theory. Prerequisite: RESP 1500, 1505.

RESP 1523 Respiratory Pharmacology (2L,2CR): This course will cover material on respiratory specific drugs and delivery methods, and an overview of drugs that are commonly used in association with respiratory disease. Prerequisite: RESP 1500, 1505. (First year fall semester.)

RESP 1527 Respiratory Therapy II (3L,3CR): Course material will cover subjects of respiratory failure, and mechanical ventilation for the adult, pediatric and newborn patient. Prerequisite: RESP 1507, 1515, 1518, 1523. (First year spring semester.)

RESP 1535 Respiratory Lab II (4LB,1CR): Course material will include mechanical ventilation and patient monitoring, pulmonary hygiene and chest physical therapy. Prerequisite: RESP 1507, 1515, 1518, 1523. (First year spring semester.)

RESP 1538 Respiratory Practicum II (16LB,4CR): Continuation of clinical site observation and practice. Additional skills in airway management and ventilator initiation will be introduced under direct supervision. Case studies will be researched and presented to the class. See program handbook for clinical clock hours vs credit

hours description. Prerequisite: RESP 1507, 1515, 1518, 1523. (First year spring semester.)

RESP 1543 Respiratory Perinatal, Neonatal and Pediatrics (2L,2CR): Course material will cover prenatal, neonatal, and pediatric respiratory care. Prerequisite: RESP 1507, 1515, 1518, 1523. (First year spring semester.)

RESP 2500 Respiratory Specialty Practicum (12LB,3CR): Students will rotate to a Level III nursery and adult critical care facilities. Clinical rotation will be condensed into thirteen (13) rotations at clinical sites located in and out of state. During this clinical rotation, students will become familiar with the newborn and pediatric ICU along with increased exposure to the adult critical care setting. The students will be required to complete NRP certification before the clinical rotation starts. Prerequisite: RESP 1520, 1525, 1540, 1575.

RESP 2507 Respiratory Therapy III (3L,3CR): This course will cover pulmonary functions, EKG's, chest tubes, bronchoscopy and hemodynamic monitoring as well as continuation of ventilator management. Prerequisite: RESP 2500. (Second year fall semester.)

RESP 2515 Respiratory Pathology (2L,2CR): This course will cover pathophysiologic mechanisms and clinical manifestations commonly seen in critical care such as smoke inhalation and thermal injuries, chest and pleural trauma, manifestations and management of shock, myocardial infarction, congestive heart failure and neurological diseases. Case studies will be reviewed encompassing respiratory pathology. Prerequisite: RESP 2500. (Second year fall semester.)

RESP 2545 Respiratory Lab III (4LB,1CR): Course material will cover additional mechanical ventilation modalities along with ABG's, EKG's, PFT's NPPV and other respiratory modalities. Prerequisite: RESP 2500. (Second year fall semester.)

RESP 2548 Respiratory Practicum III (16LB,4CR): Continuation of respiratory clinical rotations with an emphasis on ICU, critical care and advanced ventilator management. The student will also participate in critical thinking classes on a weekly basis to improve their clinical decision making skills. Case studies will be researched and presented. See program handbook for clinical clock hours vs credit hours description. Prerequisite: RESP 2500. (Second year fall semester.)

RESP 2557 Respiratory Therapy IV (3L,3CR): Course material will cover the transitioning from student to the respiratory care professional. Also there will be a segment on pulmonary rehabilitation, hyperbaric oxygen, intra aortic balloon pumping, as well as becoming ACLS certified. Prerequisite: RESP 2507, 2515, 2545, 2548. (Second year spring semester.)

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. Prerequisite: RESP 2507, 2515, 2545, 2548. (Second year spring semester.)

RESP 2575 Respiratory Lab IV (4LB,1CR): Laboratory practice for passing the advanced cardiopulmonary life support (ACLS) test. Introduction of advanced, specialty respiratory modalities. Prerequisite: RESP 2507, 2515, 2545, 2548. (Second year spring semester.)

RESP 2578 Respiratory Practicum IV (16LB,4CR): Continuation of clinical rotation with students becoming more independent with therapies. Emphasis will be on all aspects of ventilator management, the acute respiratory patient and preparation for the CSE portion of the RRT exam. Critical thinking class participation will also develop skills to pass the CSE. Students will research, present and critique case studies. See program handbook for clinical clock hours vs credit hours description. Prerequisite: RESP 2507, 2515, 2545, 2548. (Second year spring semester.)

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 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: completion of concurrent enrollment in MATH 0920, or permission of the instructor.

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. Prerequisite: MATH 0920 or permission of the instructor.

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 Prerequisite: 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. Prerequisite: 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. Prerequisite: ROBO 1615, or permission of 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 (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. Prerequisite: RUSS 1010 or equivalent.

RUSS 2030 Second Year Russian I (4L,4CR): This course utilizes a multi-skill approach to learning Russian to enable students to understand, speak, read, and write the Russian language at a more advanced level, and to give students an appreciation of the Russian speaking world. Students who want to take for credit the next course in the sequence must complete this course with a grade of "C" or better. Prerequisite: RUSS 1010 and 1020, or 1-2 years of high school Russian.

SOC 1000 Introduction to Sociology (3L,3CR)[E][CS]: 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][CS]: 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. Prerequisite: 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. Prerequisite: a 1000 level introductory social science or biology course. (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. Prerequisite: 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. Prerequisite: SOC 1000, or permission of the instructor.

SOIL 1000 Elementary Soils (3L,3CR): Designed to develop an understanding of fundamental properties of soil and how they relate to plant growth and development. Consideration is given to origin and classification of soils, their physical, chemical and biological properties and principles underlying good soil management. (Spring semester.)

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.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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][CH][G]: 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. Prerequisite: 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. Prerequisite: SPAN 2140, or permission of the instructor. Students speak in Spanish. Emphasis on Spanish literature.

SPAN 2410 Introduction to Oaxacan Culture (3L,3CR): 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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][QB]: 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. Prerequisite: 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][QB]: 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. Prerequisite: 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. Prerequisite: 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 multi-variate methods — step-wise Regression, ANOVA, ANCOVA, MANOVA, and Non-Parametric Testing. Emphasis is on interpretation of analyses provided by the statistical computer package SPSS. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: a grade of "C" or better in STAT 2220.

THEA 1000 Introduction to the Theatre (3L,3CR)[E][CA]: 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 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][CA]: 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 1105 Acting Company (2LB,1CR): This course provides opportunities for theatre performance majors to explore techniques in an ensemble environment. Acting Company uses the format of collaborative work in the manner of the Actor's Studio, where company members share in exploration and criticism as they explore diverse techniques.

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 1400 Stage Dance (3LB,1CR): Will emphasize the fundamentals of dance for the stage. It will focus on technique, terminology, and the execution of the basic steps used to choreograph stage production and will work on auditioning skills.

THEA 1410 Ballet I (3LB,1CR)[E][CA]: This course will emphasize the fundamentals of ballet. Will focus on technique, terminology, and the execution of the basic steps.

THEA 1420 Ballet II (4LB,2CR)[E][CA]: 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. Dancers will begin work in the study of early dance forms (Pavane, Galliard, Allemande, Canary, etc., early through late Renaissance forms only). Prerequisite: THEA 1410, or permission of the instructor.

THEA 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.

THEA 1430 Modern Dance I (3LB,1CR)[E] [CA]: 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.

THEA 1440 Modern Dance II (4LB,2CR)[E] [CA]: A second level course covering the principles and techniques of modern dance. This course will also begin to expose students to the principles of choreography and composition. Prerequisite: THEA 1430, or permission of the instructor.

THEA 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.

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 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.

THEA 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. Prerequisite: permission of the instructor.

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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: THEA 1100, or permission of the instructor.

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 2200 Backgrounds of Dance (3L,3CR) [E][CA][G]: 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. Prerequisite: ENGL 1010, or permission of the instructor.

THEA 2210 Dance Performance and Technique (3LB,1CR) (Max. 4)[E]: This class covers technique and performance focusing specifically on technique skills and performing at an advanced level (various styles and genres). Prerequisite: permission of the instructor and previous dance experience.

THEA 2215 Intermediate Composition Skills/ Improvisation (2L,2LB,3CR): This course further develops the student's abilities to compose and choreograph their own ideas into dance works. Both group and individual improvisation is used to further choreographic techniques. Prerequisite: THEA 1440, or permission of the instructor.

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. Prerequisite: ENGL 1010, or permission of the instructor. (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 2310 Auditioning (2L,2LB,3CR): Practical experience in preparing and presenting audition material, and a preparation for a career in theatre, film or television. Prerequisite: THEA 1100, 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 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. Prerequisite: permission of the instructor. (Summer term.)

THEA 2410 Ballet II/I (4LB,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. Prerequisite: THEA 1420.

THEA 2420 Ballet II/II (4.5LB,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. Prerequisite: THEA 2410.

THEA 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. Prerequisite: THEA 1440, or permission of the instructor.

THEA 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. Prerequisite: THEA 1450, or 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 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. Prerequisite: THEA 1480, or permission of the instructor.

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. Prerequisite: WELD 1650, 1710 1755, 1770, AUBR 1820,1970.

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, thermoplastic welding. Prerequisite: WELD 1710, 1755,1770,1820, 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: WELD, 1710, 1760 and 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: WELD 1755, 1770, 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. Prerequisite: 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][CH][D]: 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 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. Prerequisite: 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. Prerequisite: WMST 1080 and permission of the instructor.

ZOO 2040 Human Anatomy (3L,3CR)[E][SB]: 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. (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 at UW as KIN 2040.)

ZOO 2041 Human Anatomy Lab (3LB,1CR)[E][SB]: To be taken concurrent with ZOO 2040 Human Anatomy. (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. (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 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. Prerequisite: successful completion of ZOO 2040/2041 and ZOO 2110, or permission of the instructor. (Spring only.)

Notes

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What is distance education and is it right for me?

Distance education refers to courses that are offers outside of a traditional classroom using a variety of technologies for delivery. Distance education courses provide more flexible scheduling options and the opportunity to participate from convenient locations and conform to the standard college instructional calendar.

Visit. www.caspercollege.edu/distance_ed to learn more.

How are distance education courses delivered?

- Online – 100 percent course work is delivered online. These courses are identified as N1, N2, etc., sections and NET under the delivery mode.
- Hybrid – Combination of online and in-class instruction with reduced in-class seat time for students There courses are identified as H1, H2, etc., sections and LAB or LAL and NET under delivery mode. Check with your instructor for more information.
- Compressed Video – Compresses video courses are transmitted at schedules times/days via Wyoming Equality Network (WEN) system. These courses are identified as C1, C2, etc., and CVT under the delivery mode. Locations are listed on the Wyoming Department of Education website (www.k12.wy.us/wenvideo/site.asp). Please check with your instructor for available classroom sites. Compressed video courses may require an internet component.
- Telecourses – Telecourses are transmitted via Wyoming PBS (for scheduled programs see www.wyoptv.org). These courses are identified as T1, T2, etc., sections and TV under the delivery mode. Telecourse fees are assessed in addition to normal tuition to cover licensing costs. Please see a schedule of classes to determine the fee amount. Please note that telecourses also require an internet component, Check with you instructor for more information.

How do I register for distance education courses?

Are you a current Casper College student? If **YES**, please register using WebAdvisor.

Would you like to earn a Casper College degree? If yes, follow the steps to apply for admission.

Would you like financial aid through Casper College? If **YES**, follow the steps to apply for admission.

If **NO** to ALL questions above, please follow the steps to register for a class as a Non-degree seeking student.

Steps to Apply for Admission

- Apply for Admission: in person or online at www.caspercollege.edu/admission/gettingin
- Submit official high school or GED transcript
- Submit college transcript from all institutions attended
- Apply for financial aid at www.caspercollege.edu/financialaid
- Request an academic advising appointment consult with an academic advisor to choose courses
- Obtain your Casper College username and pin. Register for classes on WebAdvisor.

Steps to register for a class as a "Non-degree" seeking student

- Select the class(es) you wish to take using the class schedule www.caspercollege.edu/schedules
- Submit the "Non-degree" registration form in the mail, via fax, or in person. Form available at www.caspercollege.edu/admissions

Mail:
Enrollment Services Office
125 College Drive
Casper, WY 82601

Fax:
307-268-2611

In person:
Gateway Building, Room 334

Paying for Classes

Make payment for classes at the Accounting and Financial Management Office by the due date. You may pay in full, or set up a payment plan. Payment can be received by credit card, cash or check. You can stop by the Gateway Building, Room 302 or call 307-268-2622 or toll free 800-442-2963, ext. 2622 if you have any questions.

Technical Requirements

Be sure your computer is up to date and ready to be used for your online class! Go to the distance education website www.caspercollege.edu/distance_ed, click on the "Technical Requirements" tab.

Casper College Google Account

Once you are assigned your WebAdvisor login information, you will also be given a Casper College Google account (username@my.caspercollege.edu). You will need to confirm your account the first time you log in at http://my.caspercollege.edu using WebAdvisor login. Please check this account often, as all important messages from the school offices and you instructors will be sent to this account. The CC Google account is yours even after you leave Casper College.

Moodle

Casper College uses the Moodle Learning Management System (LMS) for online, hybrid or web-enhanced courses, The link (http://moodle4me.caspercollege.edu) can be found at the Casper College website under the A-Z Index or the Distance Education site. To login to Moodle, use the same login as WebAdvisor and Casper College Google mail.

After registering for a course, contact you instructor listed in the class schedule for questions regarding your course. Antispyware and pop-up blockers may cause one browsers to operate incorrectly; make sure you allow pop-ups for the Moodle site.

System requirements are listed on distance education site, www.caspercollege.edu/distance_ed, under the "Technical Requirements" tab. There are known issues with Microsoft Internet Explorer. The recommended browser for Moodle is Mozilla Firefox (www.mozilla.com/en-US/).

If you are a first-time distance education student and have questions or if you need to inquire about your WebAdvisor username/PIN, call Distance Education Student Support at 307-268-3882 or 800-442-2963, ext. 3882 or email us at distance_ed@caspercollege.edu.

You can also contact the DoIT Service Desk at 307-268-3648 or 800-442-2963, ext. 3648

Academic Testing Center:

The Casper College Academic Testing Center (ATC) is located in the Thorson Institute of Business Room 123. The ATC offers a secure, proctored environment for a wide range of testing needs. Students must call the Academic Testing Center at 268-3850 or e-mail testing@caspercollege.edu to schedule appointments at least 24 hours in advance during ATC business hours. For ACT licensure tests given in the ATC, you may register by calling 800-205-6366.

Upon arrival at the Academic Testing Center, students must present a valid photo ID that includes their signature **OR THEIR CURRENT CASPER COLLEGE STUDENT ID**. Please allow sufficient time for orientation and identification prior to your scheduled test.

Continuing Education

Continuing Education is the outreach branch of the college. Training and learning opportunities for business and industry and the community are offered through six divisions: Adult Basic Education/GED, Camps, Center for Training and Development, Community Education, Conferences, and the Osher Lifelong Learning Institute.

Adult Basic Education/GED

The Adult Basic education program provides adults an opportunity to improve their basic reading, writing, and arithmetic skills. Small group and individual instruction are available during the day and evening hours at no cost to participants. 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 General Educational Development (GED) high school equivalency exams. Casper College is a GED testing center and arrangements for GED testing can be made with a testing specialist.

Camps

For over twenty-five years Casper College has been offering the Knowledge Enrichment for Youth (KEY) program each summer. KEY is a one-week residential program for youth who will be entering the sixth or seventh grade in the fall with special abilities and talents (academic, intellectual, creative, visual, or performing arts). 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 the areas of 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 non-class times.

Center for Training and Development

The Center for Training and Development provides customized training, professional development, Continuing Education units (CEU), institutes, workshops, and conferences. Programs are delivered at a time and location that meets the needs of the contracting organization. Provided are professional trainers, just-in-time training, and solutions to training issues. CTD is designed to be self-supporting and costs of services are negotiated on an individual contract basis with clients. Services and programs are available to businesses and industry, non-profits, and governmental organizations of all sizes.

Community Education

Hundreds of fun, educational, and inexpensive general interest courses are offered each year through Community Education. 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 for multiple weeks. New and exciting classes are being offered all of the time.

Conferences

Casper College provides comprehensive conference management services. From pre-conference planning and on-site support to post-conference reporting, we will give your organization the innovative solutions and conference experience it desires. We manage conferences, programs, events, and workshops of all sizes. We serve as your personal planner by providing the experience and knowledge to guide you through all aspects of the planning, implementation and evaluation of your event. Your conference coordinator will work to ensure that the smallest details are handled efficiently, professionally, and responsively.

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 non-credit, academic courses, field trips, and lectures of particular interest to mature adults. A college background is not need participate and enjoy these courses; all that is required is a love of learning. Activities take place on the easily accessible Casper College campus as well as offsite in other community locations.

Members of OLLI at Casper College enjoy the following benefits: Meeting new friends with similar interests; interesting classes; and the satisfaction of supporting OLLI in its mission to promote lifelong learning and personal growth for adults over age 50.


THUNDERBIRD
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Casper College

UNIVERSITY PARTNERSHIPS

University Partnerships are an initiative to provide access to post-associate degree programs for students in Wyoming. This is accomplished by forming partnerships with accredited institutions throughout the nation that offer programs in a distance-delivered format. The distance delivery is an important component, since many of our students are place-bound. In some cases, the partner institutions choose to use adjunct faculty and offer their programs on our campus in a traditional classroom setting. Others deliver courses via the Internet.

For information on University Partnership programs, contact

University Partnerships

307-268-2376 • 800-442-2963 ext 2376

Post-associate degrees offered through these partner institutions:

Ashford University

Bachelors:
- Accounting
- Business Administration
- Business Economics
- Business Information Systems
- Communication Studies
- Early Childhood Education
- Early Childhood Education Administration
- Education and Public Policy
- English
- English Language Learners Studies
- Entrepreneurship
- Environmental Studies
- Health and Human Services
- Health Care Administration
- Health Care Studies
- History
- Homeland Security and Emergency Management
- Human Resources Management
- International Business
- Journalism and Mass Communication
- Operations Management and Analysis
- Organizational Management
- Political Science and Government
- Psychology
- Public Administration
- Public Relations and Marketing
- Social and Criminal Justice
- Social Science
- Social Science with Education Concentration
- Sociology
- Sports and Recreation Management

Franklin University

Bachelors:
- Accounting
- Business Administration
- Computer Science
- Digital Communication
- Health Care Management
- Human Resources Management
- Info. Tech. and Management
- Management of Info. Systems
- Marketing
- Public Safety Management
- Technical Management

Masters:
- Business Administration

University of Mary

Bachelors:
- Business Management

Masters:
- Business Administration
- Business Management
- Healthcare Management Concentration
- Human Resources Concentration
- Nursing Management (MSN)

Mayville State

Bachelors:
- Early Childhood Education

National American University

Bachelors:
- Applied Management
- Criminal Justice

University of North Dakota

Masters:
- Occupational Therapy

University of Phoenix

Bachelors:
- Business Management
- Criminal Justice Administration
- Healthcare Administration
- Human Services
- Information Technology

Masters:
- Admin. of Justice and Security
- Business Administration
- Healthcare Administration
- Information Systems
- Nursing

Regis University

Bachelors
- Accounting
- Business Administration
- Business Technology Management
- Communication
- Computer Information Systems
- Computer Networking
- Computer Science
- Criminology
- Finance

Rush University

Doctorate:
- Nursing Practice

Seton Hall

Doctorate:
- Executive Ed.D Program

Upper Iowa University

Bachelors:
- Accounting
- Business Administration
- Criminal Justice
- Finance
- Human Resource Management
- Management
- Marketing
- Public Administration (fire science or law enforcement)
- Psychology
- Social Services
- Technology and Information Management

Masters:
- Business Administration
- Public Administration

Valley City State

Bachelors:
- Elementary Education

Walden University

Masters
- Education

Doctorate:
- Management and Decision Making
- Education

Western Governors

Bachelors:
- Human Resources Management
- IT Management
- Marketing Management
- Business Management
- Finance
- Accounting
- Mathematics
- Science
- Social Science
- Special Education (PK-12)

Masters:
- Mathematics (5-9) or (5-12)
- Science (5-9) or (5-12)
- Social Science (5-9) or (5-12)
- Masters of Business Administration
- Informational Technology
- Health Care Management

University of Wisconsin Green Bay

- BSN-Nursing Bachelors

University of Wyoming

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M.A. (Central Washington University);
M.F.A. (West Virginia University)

Darby Sawyer, English
B.S. (University of Wyoming);
M.Ed. (Grand Canyon University)

Michael Sawyer, Physical Plant Director
B.S. (Chadron State College);
M.B.A. (University of Colorado)

Deanna Schaff, Tate Museum Director
B.S. (St. Mary of the Plains College, Kansas); M.S.T. (University of Wyoming)

Thomas P. Schellberg, Economics
B.A. (University of Wisconsin, Madison);
Ph.D. (University of Minnesota)

Angel Sharman, Volleyball Coach/ Physical Education
A.S. (Mid-Plains Community College);
B.S., M.S. (Ft. Hays State University)

Deborah Shugart (Business Law)
B.S. (University of Alabama, Huntsville);
J.D. (Cumberland School of Law at Samford University)

David Siemens, Distance Education Technical Coordinator
A.S. (Westward Tech of Denver);
B.S. (University of Mary)

Susan A. Sigler, Adult Learning Ctr.
B.A. (Biola University);
M.A. (Talbot Seminary)

Joseph Simon, Business
A.A., A.S. (Penn State University); B.A., M.A. (California University of Pennsylvania); Advanced Graduate Study (Colorado State University)

Leanne Sims, Student Success Counselor
B.A., M.S. (University of Wyoming)

Donna Sonesen, Director, Early Childhood Learning Center
A.A., (Central Wyoming College); B.A., M.A. (University of Wyoming)

Ebba Stedillie, Communication
B.A. (Wayne State College); M.A. (Chadron State College)

Raymond Steinbacher, Statistics
B.S., M.S. (Penn State); M.S. (Ohio State University); Advanced Grad Study (University of Delaware)

Mark Steinle, Construction, Welding
A.B., A.S. (Casper College); B.S., M.B.A. (University of Wyoming); Ph.D. (Colorado State University)

Claudia Stewart, Mathematics
B.S. (University of Hawaii, Honolulu); M.S. (University of Wyoming)

Dan Straka, Systems Coordinator
B.S. (Southern Indiana University)

Tracy Suhr, Nursing
A.S. (Casper College); B.S.N. (Walden University)

Jeffrey A. Sun, Geographic Information Systems
B.S. (University of Wyoming); M.S.GIS (Texas State University)

Kent Sundell, Geology
B.S., M.S. (University of Wyoming); Ph.D. (University of California, Santa Barbara)

Debra Swedberg, Mathematics
A.S. (Casper College); B.S., M.B.A., M.S. (University of Wyoming)

Kim Talbott, Psychology
B.A. (Kent State University); M.S. (Syracuse University)

Jennifer L. Taulealea, Nursing
A.S. (Casper College); B.S.N. (University of Wyoming); M.S. (University of Wyoming)

Kathleen Thatcher, Director of Assessment
B.S. (Southern Illinois University, Edwardsville); M.A. (Northern Arizona University)

Jodi Thiel, Pharmacy Technology
A.S. (Casper College)

Ana Thompson, Director of Distance Education
A.S. (Western Wyoming Community College); B.S. (Utah State University); M.S. (University of Phoenix)

Lesley Travers, Dean, School of Business and Industry
B.S. (University of Montana); M.S. (University of Wyoming/Casper College); Ph.D. (University of Wyoming)

Eric Unruh, Dean, School of Fine Arts and Humanities
B.A. (Bethany College); M.M., D.M. (Northwestern University)

Nubia Urquijo-Arana, Nursing
A.S. (Casper College); B.S.W. (Colegio Mayor de Cundinamarca); M.S.N. (University of Phoenix)

Peter Van Houten, Communications
B.A., M.B.A. (University of Wyoming)

Darry Voigt, Executive Director, Enrollment Services
B.A. (University of Wyoming); M.S. (University of Arizona)

Randal Waldron, Automotive
Senior/Certified Master Technician

Stewart Walker, Enterprise System Coordinator

Teresa Wallace, Director of Counseling
B.A. (Purdue University); M.S. (Kansas State University)

Art Washut, Criminal Justice
A.S. (Casper College); B.S. (Chadron State College); M.P.A. (University of Wyoming)

Laurie Weaver, R.T.R., Director, Radiology
A.S. (Casper College); B.S. (Weber State University); M.H.A. (St. Joseph's College)

Holly Wendt, English
B.A. (Lycoming College); M.A. (Ohio University); Ph.D. (Binghamton University)

Georgia Wheatley, Gender Studies
A.S. (Casper College); B.S. (Colorado State University); M.A. (Norwich University)

Gretchen E. Wheeler, Communication, Service Learning
B.S.Ed., M.S.Ed. (Chadron State College)

Donielle Williams, Computing Coordinator
A.S. (Casper College)

Grant W. Wilson, Interim Dean, School of Science
B.S. (University of Wisconsin — Whitewater); M.A. (Northern Illinois University); Ph.D. (University of Texas - Austin)

Marla Wonser, Director, Occupational Therapy Assistant Program
B.S.O.T. (University of North Dakota); M.S.O.T. (San Jose State University)

Todd Wykert, Director, Media Services
B.U.S. (University of New Mexico)

Jodi Youmans-Jones, Theatre/ Dance
B.A. (University of Wyoming); M.F.A. (University of Illinois-Champaign)

Andrew Young, Physics
B.A. (Boston University); M.S., Ph.D. (University of Minnesota)

David Zoby, English
B.A. (Virginia Tech); M.F.A. (Virginia Commonwealth University)

Rosenthal Outstanding Educator Award

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

Willard Robinson [1996]
Biology Instructor

Gary Becker [1996]
Physical Education, Business Instructor, Women's Basketball Coach

Pete Wildman [1997]
Mathematics Instructor

Kelly Burch [1997]
Agriculture 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

Mellissa 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

Outstanding Administrator Award

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

Robert Durst Classified Staff Award

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

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

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

Francis Dunston (1967)
B.S. (University of Wyoming), M.A.T. (Colorado State University)
Division Chair Emeritus, Business 1991

Lynda L. Durham (1983)
B.A. (University of Colorado), M.A. (University of Northern Colorado)
Instructor Emeritus, Spanish 2008

Stanton P. Durham (1976)
B.A., M.A. (Cornell University), Ph.D. (University of Michigan)
Instructor Emeritus, French, Italian, Humanities, Philosophy, English 1999

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

Miles Hecker (1976)
B.S.E.E. (The Cooper Union for Advancement of Science and Art)
Instructor Emeritus, Electronic Technology 2006

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

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

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

Lawrence G. Lofgren (1957)
B.A., M.A. (University of Wyoming)
Instructor Emeritus, Biology 1992

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

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

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

Lynn Munns (1971)
B.S., M.F.A. (Utah State University)
Division Chair Emeritus, Fine Arts 2006

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

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

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

Alan G. Skillman (1965)
B.S. Ed.D. (Montana State University), M.S. (University of Utah)
Instructor Emeritus, Mathematics 2000

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

A. LeRoy Strausner (1965)
A.A. (Casper College), B.A., M.A. (University of Northern Colorado), Ph.D. (University of Wyoming)
President Emeritus 2004

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

Alumni Association

Casper College Alumni Association Board

Kevin Bromley - '77
President

Mike Stepp - '80
Vice President

William Brauer - '56
Treasurer

Charlotte Babcock - '49
Virginia 'Virg' Bodyfelt - '01
Darrel Carruth - '65
Janette 'Jan' Cundy - '80
Nancy Curtis - '67
Kyla Cochran Foltz - '02
Nancy Gerlock - '95
Richard Hepner - '92
Luella Hinderliter - '66
Gigi Leman - '92
Doug Leonard - '87
Mary Litzel - '82, '87
David Long - '72
Ron Salveson - '74
Lea Schoenewald - '72
Debbie Werner Simon - '75
Mark Vincent - '69

Distinguished Alumni

(As nominated by their peers and chosen by the Board of Directors, Casper College Alumni Association)

1986 - Marlan O. Scully, 1959
1987 - Dean Conger, 1945
1987 - Richard A. "Dick" Tobin, 1953, (Posthumous)
1988 - Charles W. Hord, 1957
1989 - Stephen W. Nicholas M.D., 1974
1990 - Richard Cheney, 1963
1991 - Leslie M. Lawson, 1967
1992 - F. Russell Huson, 1957
1993 - Douglas M. Crowe, 1969
1994 - Joe Alexander, 1967
1994 - Roxana Boyles, 1971, (Posthumous)
1996 - William J. Phillip, 1952
1997 - Ben Boedeker, 1973
1998 - Paul R. "Bob" Streich, 1948
1999 - Nancy Johnson Curtis, 1967
2000 - Karen Higgins, 1968
2001 - Kurt Stamm, 1984
2002 - Ellyn Cavanagh, 1972
2003 - Ron Franscell, 1978
2004 - A. LeRoy Strausner, 1960
2005 - Steven Bealer 1969
2006 - Holly Nye 1973
2007 - Raymond Jacquot, 1958
2008 - Wayne D. Hunter, 1983
2009 - Diana J. Ohman, 1970
2010 - Havriet Hageman, 1983
2011 - Dan and Patricia Goble, 1978-1980

Commitment to Excellence Award

1991 - Harold Josendal
1992 - William Curry
1992 - Campbell McWhinnie
1993 - Norman Ball
1994 - Dale Stiles
1996 - Bill Henry
1998 - Lloyd Loftin
1998 - Swede Erickson
1999 - Jane Katherman
2000 - Jean Wheatley
2001 - Arlene Larson
2002 - Michael Sarvey
2003 - James Howard
2004 - Richard R. Means
2005 - Gail Zimmerman
2006 - William Seese
2008 - Jeannine Jones
2009 - Jack Romanek
2010 - Christian Michelson
2011 - Marialyce Tobin


CC

Application for Admission

Casper College

Application for Admission

PERSONAL INFORMATION

Legal Name: _____
Last Fir st Middle

Maiden/Previous Name: _____ **Gender:** ☐Male ☐Female

Social Security No.: _____-_____-_____ **Birthdate:** _____/_____/_____

Permanent Mailing Address: _____
Street/Po box City State Zip

Local Mailing Address: _____
Street/Po box City State Zip

Home phone (_____) _____-_____ **Cell phone (_____) _____-_____**

E-mail: _____

U.S. Citizen?: ☐Yes ☐No **If no, are you a permanent resident?:** ☐Yes ☐No **Citizen of:** _____

Colleges and universities are asked by many, including the federal government, accrediting associations, college guides, newspapers, and our own college/university communities, to describe the racial/ethnic backgrounds of our students and employees. In order to respond to these requests, please answer the following two questions:

Do you consider yourself to be Hispanic/Latino? ☐Yes ☐No

In addition, select one or more of the following racial categories to describe yourself:

☐American Indian or Alaska Native ☐Asian ☐Black or African American ☐Native Hawaiian or Pacific Islander ☐White

ACADEMIC INFORMATION

Applying as a:

☐New Student ☐Transfer Student ☐Returning CC Student ☐Other (specify)_____

Applying for term beginning: **Fall** _____(year) **Spring** _____(year) **Summer** _____(year)

Please list the high school you attended or the state that issued your GED.

High School: _____ **City/State** _____

Graduation Year: _____ ☐Diploma ☐Certification of Completion ☐GED **Year Issued:** _____

Please list the high school you attended or the state that issued your GED.

High School: _____ **City/State** _____

Graduation Year: _____ ☐Diploma ☐Certification of Completion ☐GED **Year Issued:** _____

Please list the colleges you have attended in order of attendance. Official transcripts must be sent directly to Casper College from the high school and ALL colleges attended.

College Attended	City/State	Years of Attendance
_____	_____	_____
_____	_____	_____
_____	_____	_____

RESIDENCY

Have you resided in Wyoming continuously for the last year? ☐Yes ☐No

If no, when did your most recent period of continuous presence in Wyoming begin? **Month** _____ **Year** _____

Please list your mailing addresses for the past two years:

Year _____ **Address** _____ **City/State** _____ **Zip** _____

Year _____ **Address** _____ **City/State** _____ **Zip** _____

Do you have a current Wyoming driver's license? ☐Yes ☐No **Issue date** _____ **Expiration date** _____

Do you own a motor vehicle? ☐Yes ☐No **If yes, date and state of registration:** _____

Did you attend college during the past year? ☐Yes ☐No **If yes, list institution:** _____

CONTACT

In case of emergency please contact:

Name _____ **Phone Number (_____)_____-_____**

How did you hear about us?

☐Internet ☐Admissions Representative ☐Other _____

☐Job Fair ☐Friend

☐High School Counselor ☐Advertisement : Where?_____

Please complete both sides of the application.

Continued on next page.

Casper College Application for Admission

Please circle your proposed major at Casper College. Circle only one please.

- Accounting (AAS, AB, C)
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- Chemistry (AS)
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- Construction Technology (AAS, C)
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- Dance (AA)
- Diesel Power Technology(AAS, C)
- Drafting and Design (AAS)
- Early Childhood Education (AA, AAS, AS)
- Economics (AS)
- Electronics Technology (AAS, C)
- Elementary Education (AA, AS)
- Emergency Management (AAS)
- Engineering (AS)
- English (AA)
- Entrepreneurship (AAS)
- Environmental Science (AS)
- Equine Assisted Therapy (C)
- Extractive Resources Technology (AAS, C)
- Fine Art (AFA)
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- Forensic Science (AS)
- Gender Studies (AA, C)
- General Studies (AA, AS)
- Geographic Info. Systems (AS, C)
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- Range Management (AS)
- Renewable Energy Technology (AAS, C)
- Respiratory Therapy (AS)
- Retail Merchandising (AAS, C)
- Robotics Technology (AAS, C)
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- Social Work (AA)
- Sociology (AA)
- Software Support Specialist (AAS, C)
- Technical Studies (AAS)
- Theatre Performance (AA)
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- Wastewater Collection System Operation (C)
- Water Distribution System Operations (C)
- Water Treatment Plant Operations (C)
- Water Treatment System Operation (C)
- Water Quality Technology (AAS)
- Web Design (AAS, C)
- Web Development (AAS)
- Welding (AAS, C)
- Wildlife Management (AS)
- World Language (AA)

C – Certificate
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ACADEMIC PROGRAMS

Educational Goal: ☐Associate Program ☐Certificate Program

How do you plan on attending classes? ☐On campus ☐Distance Education ☐Both

Directory information includes student name, local address, and local phone number. The college may disclose any of these items without prior written consent, unless notified in writing by the first day of class.

MMR Immunization Required: Students born Jan. 1, 1957, or later who enroll in six credit hours or more are required to provide proof of immunization for measles, mumps, and rubella after the age of 15 months. Verification must be submitted before registration. Doctors' signatures will be verified by our Student Health Services before the beginning of each semester.

It is the policy of Casper College that discrimination based on race, color, religion, sex, age, handicap, national origin or veteran status shall not exist in the college's treatment of employees and students.

Please read the following statement before signing and returning:
To the best of my knowledge, the information given on this application is true and correct.
I understand that admission granted on the basis of false information will be voided.

SIGNATURE

Signature: _____ **Date:** _____

Priority deadline for applications is August 1 for fall semester and December 1 for spring semester.

THANK YOU for applying for admission to Casper College.

Mail this form to: Casper College Attn: Enrollment Services • 125 College Drive, Casper, WY 82601
or call either 307-268-2100 or 800-442-2963, ext. 2323

Casper College

Application for Admission

PERSONAL INFORMATION

Legal Name: _____
Last Fir st Middle

Maiden/Previous Name: _____ **Gender:** ☐Male ☐Female

Social Security No.: _____-_____-_____ **Birthdate:** _____/_____/_____

Permanent Mailing Address: _____
Street/Po box City State Zip

Local Mailing Address: _____
Street/Po box City State Zip

Home phone (_____) _____-_____ **Cell phone (_____) _____-_____**

E-mail: _____

U.S. Citizen?: ☐Yes ☐No **If no, are you a permanent resident?:** ☐Yes ☐No **Citizen of:** _____

Colleges and universities are asked by many, including the federal government, accrediting associations, college guides, newspapers, and our own college/university communities, to describe the racial/ethnic backgrounds of our students and employees. In order to respond to these requests, please answer the following two questions:

Do you consider yourself to be Hispanic/Latino? ☐Yes ☐No

In addition, select one or more of the following racial categories to describe yourself:

☐American Indian or Alaska Native ☐Asian ☐Black or African American ☐Native Hawaiian or Pacific Islander ☐White

ACADEMIC INFORMATION

Applying as a:

☐New Student ☐Transfer Student ☐Returning CC Student ☐Other (specify)_____

Applying for term beginning: **Fall** _____(year) **Spring** _____(year) **Summer** _____(year)

Please list the high school you attended or the state that issued your GED.

High School: _____ **City/State** _____

Graduation Year: _____ ☐Diploma ☐Certification of Completion ☐GED **Year Issued:** _____

Please list the high school you attended or the state that issued your GED.

High School: _____ **City/State** _____

Graduation Year: _____ ☐Diploma ☐Certification of Completion ☐GED **Year Issued:** _____

Please list the colleges you have attended in order of attendance. Official transcripts must be sent directly to Casper College from the high school and ALL colleges attended.

College Attended	City/State	Years of Attendance
_____	_____	_____
_____	_____	_____
_____	_____	_____

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remember!

Casper College offers campus housing!

Call 307-268-2364 or visit www.caspercollege.edu/housing/

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
- Family and Consumer Science
- Humanities and Fine Arts
- Journalism
- Mathematics and Science
- Nursing
- Psychology
- Secondary Science Education, Biology
- Social Science
- Social Work
- Technical Education

MASTER'S DEGREES

- Adult and Post-Secondary Education
- Business Administration
- Counseling
- Curriculum and Instruction
- Education Leadership
- Instructional Technology
- Kinesiology and Health
- Nursing
- Public Administration
- Social Work
- Special Education
- Speech-Language Pathology

CERTIFICATES

- Early Childhood Program Director
- Land Surveying

ENDORSEMENTS

- Early Childhood Birth to Five
- Early Childhood Special Education
- English as a Second Language
- Principal
- Wyoming Reading

SERVING CASPER **FOR OVER 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/Casper College Center. 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 the UW/CC Center each semester, and more than 3,000 students have received their UW degrees. Part of the Outreach School, UW/CC Center is the location in Casper at which students have access to UW statewide degree programs and courses.

The center was established to meet the needs of students unable to move to Laramie. These students tend to be nontraditional students who may be older or have families, homes, or jobs in the Casper area. The center 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.

Classes are taught on the Casper College campus and at the separate UW Outreach Building. The Outreach Building has facilities designed to receive the delivery of statewide classes and degree programs via video conferencing and audio teleconferencing technologies. Audio and video technologies also are available in 4 Administration Building and 136 Administration Building on the Casper College campus.

DIRECTOR'S MESSAGE

Dear Student,

Winston Churchill once gave a commencement speech that ran only 9 words long: "Never give up. Never give up. Never give up." A reasonable commencement speech today could run the same length: "Never stop learning. Never stop learning. Never stop learning." How can a person hope to remain economically competitive if he or she doesn't add new skills? For the sake of one's career, we must never stop learning. Many UW/CC students are parents. How will our children learn about the importance of ideas, the wonders of science, and the beauty of the arts unless we model for them how these things impact our lives? For the sake of our families we should never stop learning. Finally, how will our community grow unless persons challenge themselves to try new things by volunteering, serving on a non-profit board, or establishing a civic group? For the well-being of our community, we need to never stop learning.

Sincerely,

Brent Pickett, PH.D.

ASSOCIATE DEAN, OUTREACH SCHOOL
DIRECTOR, UW/CC CENTER

University Studies Checklist for USP 2003 (taken from the UW Transfer Guide, 2004-05)

The University Studies Program ensures that each student's program includes the elements essential to a lifetime of personal and professional growth: habits of mind, practices of active citizenship, and development of intellectual skills. Students who enter UW or a Wyoming community college beginning fall 2003 will be required to meet the USP 2003 requirements for graduation. Requirements of the USP are divided into core components which are mutually exclusive of each other, and embeddable components, which may be taught as part of another course.

1. [E] after the course title and credits denotes University of Wyoming equivalent.

2 [I], [WA] [WB] [WC] [O] [QA] [QB] [S] [SB] [SP] [SE] [C] [CH] [CS] [CA] [V] [P] [L] [G] [D] after the course title and credits denotes University of Wyoming University Studies requirements.

Core Components: Credits

Intellectual Community [I]: 1-3

Provide the skills and philosophy necessary for success as a student and as a life-long learner. Academic content-based courses are individually tailored to each discipline. May be taken for 1-3 credits.

Writing I [WA]: 3

College Composition and Rhetoric must be completed with a grade of C or better.

Oral Communication [O]: 3

Quantitative Reasoning 1 [QA]: 3

All students must fulfill the QA requirement, either by placing into a QB course or through successfully completing a QA course.

Quantitative Reasoning 2 [QB]: 3

Students are required to satisfy both QA and QB requirements. All QB courses have a QA prerequisite.

Science [S, SB, SP, SE]: 4-8

Complete any two approved courses from the three categories (SB-Biological, SP-Physical, or SE-Earth Science). One of these must have a laboratory component. OR complete one approved integrated science course (S).

Cultural Context [C, CH, CS, CA]: 9

Complete nine approved credit hours, three from each of the three categories (CH-Humanities, CS-Social and Behavioral Sciences, CA-Fine Arts). OR complete three hours of approved integrated cultural context coursework © plus three approved credit hours from two of the three categories (CH, CS, CA).

U.S. and Wyoming Constitutions [V]: 3

Approved V courses fulfill both U.S. and Wyoming constitutions requirements.

Physical Activity and Health [P]: 1

Embeddable Components

Embeddable Components may be taught as part of another course and will ordinarily be fulfilled in the context of three credit hour courses.

Information Literacy [L]
Writing 2 [WB]
Writing 3 [WC]
Global Awareness [G]
Diversity in the US [D]

UNIVERSITY OF WYOMING
Casper College Center

www.uwyo.edu/uwcc
307-268-2713 or 877-264-9930

UW Photo Service

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Casper College

Experience

education for a lifetime

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800-442-2963 • 307-268-2100
www.caspercollege.edu