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GENERAL INFORMATION

2012-2013 Academic Calendar
Fall Semester
New Faculty In-Service
In-Service
New Student Registration Program
Kick-Off Day
Begin Fall Semester
**Start of: Full-semiter classes, 1st 5-week Block (A)**
And **1st 8-week Block (E)**
Last Day to Add: Full Semester Classes
  1st 5-week Block (A)
  1st 8-week Block (E)
Last Day to Drop: Full Semester Classes
  1st 5-week Block (A)
  1st 8-week Block (E)
Labor Day Holiday
**Start of 12-week Block (D)**
Last Day to Add 12-week Block (D)
Last Day to Drop 12-week Block (D)
End of 1st 5-week Block (A)
**Start of 2nd 5-week Block (B)**
Last Day to Add 2nd 5-week Block (B)
Last Day to Drop 2nd 5-week Block (B)
End of 1st 8-week Block (E)
**Mid-Semester**
Fall Break
Midterm Grades Due (by 11:59pm)
**Start of 2nd 8-week Block (F)**
Last Day to Add 2nd 8-week Block (F)
Last Day to Drop 2nd 8-week Block (F)
End of 2nd 5-wk block (B)
**Start of 3rd 5-week Block (C)**
Last Day to Add 3rd 5-week Block (C)
Last Day to Drop 3rd 5-week Block (C)
Early Registration/Assessment Day – No Day Classes
Thanksgiving Holiday
End of Fall Semester
Examination Period
All Grades Due (by noon)

*No Activities from December 10 through December 19 without Permission of the President*
Spring Semester
In-Service January 7 – 11 - Monday - Friday
New Student Registration Program January 11 - Friday
Begin Spring Semester
Start of: Full-semester classes January 14 - Monday
1st 5-week Block (A)
1st 8-week Block (E)
Last Day to Add: Full Semester Classes January 16 - Wednesday
  1st 5-week Block (A)
  1st 8-week Block (E)
Last Day to Drop: Full Semester Classes January 30 - Wednesday
  1st 5-week Block (A)
  1st 8-week Block (E)
Martin Luther King Holiday February 8 - Friday
Start of 12-week Block (D) January 21 - Monday
Last Day to Add 12-week Block (D) February 11 - Monday
Last Day to Drop 12-week Block (D) February 13 - Monday
Presidents’ Day Holiday March 18 - Monday
End of 1st 5-week Block (A) March 28 - Thursday
Start of 2nd 5-wk Block (B) January 30 - Wednesday
Last Day to Add 2nd 5-week Block (B) February 8 - Friday
Last Day to Drop 2nd 5-week Block (B) January 30 - Wednesday
End of 1st 8-week Block (E) February 8 - Friday
Mid-Semester March 11 - Monday
Midterm Grades Due (by Midnight) March 18 - Monday
Spring Recess March 28 - Thursday
Start of 2nd 8-week Block (F) March 30 - Monday
Last Day to Add 2nd 8-week Block (F) April 15 - Monday
Last Day to Drop 2nd 8-week Block (F) April 3 - Wednesday
End of 2nd 5-week Block (B) April 4 - Thursday
Start of 3rd 5-week Block (C) April 5 - Friday
Last Day to Add 3rd 5-week Block (C) April 22 - Monday
Last Day to Drop 3rd 5-week Block (C) April 9 - Tuesday
Early Registration/Assessment Day – No Day Classes April 6-9 - Friday-Monday
Good Friday - Easter Monday Holidays May 9 - Thursday
End Spring Semester May 10,13,14 - Friday, Monday, Tuesday
Examination Period May 15 - Wednesday
All Grades Due (by noon) May 17 - Friday
Commencement

No Activities from May 6 through May 17 without Permission of the President
Equal Opportunity

Western Wyoming Community College is an Equal Opportunity institution and as such, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability status, disabled veteran, or veteran of the Vietnam, Gulf, or any other era in admission or access to, or treatment or employment in, its educational programs or activities.

Inquiries concerning Title VI, Title IX, Section 504, ADA, and other related laws may be referred to the V.P. for Administrative Services, WWCC Administrative Offices, P.O. Box 428, Rock Springs, Wyoming 82902-0428, (307) 382-1609; or Office for Civil Rights, Denver Office, U.S. Department of Education, Cesar E. Chavez Memorial Building, Suite 310, 1244 Spear Avenue Blvd., Denver, CO 80204-3582, (303) 844-5695, FAX (303) 844-4303 or TDD (303) 844-3417 or the Wyoming Labor Standards Department, 1510 East Pershing Blvd., Cheyenne, Wyoming 82002 (307) 777-7261.

WWCC History

Western Wyoming Community College, the fifth of seven community colleges in Wyoming, was established in the Fall of 1959. Through the efforts of a citizens’ committee, a campaign was begun, an election was held, and the College and the original district were created.

• In September, 1959, forty students enrolled for college credit courses with five full time faculty teaching during the evening. The first classes were held in the Rock Springs High School building.

• In 1960-61, the College moved to Reliance, five miles from Rock Springs, to occupy the former Reliance High School and daytime classes began. In September, 1964, the original district was expanded to include all communities within Sweetwater County, a new Board of Trustees was elected, and the official name of the College became Western Wyoming Community College.

• Consistent growth of the College led to the inauguration of a $1,822,000 building program on October 4, 1966. On November 11, 1967, groundbreaking ceremonies marked the beginning of construction on a new campus, and completion in June, 1969. Growth continued. In March, 1973, voters approved a $1,780,000 bond issue to provide additional instructional facilities. The new vocational-technical education building was ready for occupancy in Fall, 1974, and the college center building was completed. In 1976, three residence halls were constructed to provide on-campus housing, made possible by a loan from the State Farm Loan Board. The College was granted accreditation by the North Central Association in April, 1976.

• Again, in 1981, the citizens of Sweetwater County demonstrated their support for Western Wyoming Community College by authorizing a building project that cost in excess of $63,000,000. This major expansion created one of the most modern and beautiful community college campuses in the West. Students who enrolled in 1985 were the first to use new student housing, the Green River Center and the Technology and Industry shops. Between the Fall of 1987 and Fall of 1988, a new student commons area, classrooms and labs, offices, Children's Center, studios, and theatre were occupied. A new chemistry laboratory was completed for the Fall of 1993. Construction of a fifth residence hall was approved in December, 1994, and completed in August, 1997. A sixth, 48 bed, residence hall was completed in Fall 2008. A compression technology building was completed in Spring 2007 and a diesel technology addition was completed Spring 2008.

• In 2009 Western Wyoming Community College celebrated its 50th Anniversary.

• Student numbers have increased from 40 in 1959 to over 6,000 in 2011. These figures include all students – varying ages and interests, enrolled in the credit, non-credit and extension programs. The number of full-time students enrolled for college credit courses has increased to over 1,100, and full-time equivalent students (FTE) has increased to over 2,500.

Western’s Vision Statement

Western Wyoming Community College envisions providing lifelong learning opportunities in an environment characterized by a commitment to quality and success.

Western’s Mission

As a community college keenly aware of community in its name, Western Wyoming Community College (Western) dedicates its resources to providing high quality learning opportunities for students and employees, to enriching the community’s cultural life, to enhancing the awareness of the community’s unique heritage and environment, and to adapting to changing needs of local business and industry primarily within its service area of southwest Wyoming.

In 1991, the Wyoming State Legislature adopted the following mission statement for Wyoming community colleges under the Post Secondary Omnibus Act:

The mission of Wyoming’s community colleges is to provide access to post-secondary educational opportunities by offering broad comprehensive programs in academic as well as vocational-technical subjects. Wyoming’s community colleges are low-tuition, open access institutions focusing on academic transfer programs, career and occupational programs, developmental and basic skills instruction, adult and continuing education, economic development training, public and community services programming and student support services.

Western has chosen to enhance this mission statement as follows:

Western’s fundamental purpose is to provide high quality learning opportunities to students who are at various stages of life and have differing needs and expectations. Committed to quality and success, Western encourages flexibility, innovation, and active learning for students, faculty and staff. The College understands that learning occurs inside and outside the classroom and, therefore, seeks to create an environment where lifelong learning is encouraged and where students and employees interact in an atmosphere of mutual respect.

Western has developed a curriculum designed to introduce students to multiple modes of intellectual inquiry that are believed to be fundamental to human knowledge and to successful learning. Through the College’s Goals for Student Success, students expand their capacity to solve problems both critically and creatively, to consider multiple perspectives, to retrieve relevant information, to communicate clearly, and to develop life skills that promote health and well-being.

Outside the classroom, Western provides additional learning activities, such as presentations, exhibits, performances, athletic events, internships, leadership opportunities, and residence hall programs. Support services complement Western’s focus on learning and assist the faculty and staff in helping students pursue their educational goals. Recognizing that the college experience influences the social, emotional, and physical well-being of each student, Western maintains a modern facility which contributes to a supportive environment that fosters interaction and student and employee development. Learning, both in and out of the
classroom, provides students a foundation for succeeding in an ever-changing global environment.

Western recognizes that employees are our most important resource. Key factors of employee job satisfaction are growth opportunities, involvement, and recognition. The College provides funding and learning opportunities for continued professional development and access to new technologies. The College, furthermore, recognizes the value of employees by encouraging involvement in planning and decision-making, maintaining open communications, and supporting efforts to recognize their contributions.

Western’s students and employees seek to demonstrate integrity and professionalism in their relations with one another and the community. Ethical behavior, thus, is a priority in developing and implementing fair solutions, in communicating with outside entities, and during interactions between employees.

Western strives to achieve its institutional values through its Guiding Principles, principles that help the College adapt to change, plan for the future and make sound decisions.

**Western’s Guiding Principles**

Western has a set of guiding principles that help to guide the college’s planning effort and decision-making. The Guiding Principles are the basis for the College’s culture and approach to teaching and learning.

**Learning is Our Purpose**

Our purpose is to provide quality experiences that foster lifelong learning. We assess learning through our five Goals for Student Success, and we then adapt to improve learning.

**Goals/Objectives**

- Provide support for faculty and staff to learn new skills and new technologies that strengthen learning.
- Emphasize active learning experiences that require higher levels of thinking.
- Document and publicize the improvement of student learning at WWCC.
- Provide more learning options so that students can complete a degree or continue to learn without the barriers of distance, time, or place.
- Create a more student-driven schedule of classes each summer and semester based upon student needs and feedback.

**Students are our Focus**

As students succeed in meeting individual goals, WWCC succeeds. Our task is to provide an environment that encourages success for a diverse student population. Underlying every decision should be the question: ‘Does this contribute to the success of our students?’

**Goals/Objectives**

- Analyze and improve campus services for different segments of students, and inform all students of the services available.
- Create new and adapt existing targeted marketing efforts in order to reach diverse student populations and to be responsive to annual goals.
- Provide equipment and facilities that are conducive to learning.
- Provide for student life experiences and learning outside the classroom.

- Review and refine the orientation, academic advising, and career counseling programs at Western Wyoming Community College.

**Employees are our Most Important Resource**

Growth opportunities and recognition are important in creating leaders and professionals and in enhancing employee satisfaction.

**Goals/Objectives**

- Involve employees in the decision-making process.
- Encourage and support college-wide communication.
- Acknowledge each individual’s contributions and reward excellence.
- Provide and promote opportunities for individuals to grow as leaders and professionals.
- Promote pride and ownership in the college.

**The Community is Our Partner**

We interact with community members, organizations, local business and industry to enrich community life.

**Goals/Objectives**

- Promote more active connections and involvement in the community.
- Provide access to facilities that are safe, comfortable, and welcoming.
- Serve as a center for discussion and debate of community issues.
- Serve as a cultural resource.
- Assess and respond to the community’s needs.

**Adapting to Change Defines Our Future**

We must meet the changing needs of our community, students, and employees by encouraging and supporting innovation and informed risk-taking.

**Goals/Objectives**

- Provide an environment in which students and staff can adapt positively to change.
- Conduct research on which to base decisions while encouraging and supporting innovation and informed risk-taking.
- Evaluate and integrate appropriate technology into our institutional processes.

**Ethical Standards Guide Our Actions**

We commit ourselves to treating all individuals with respect, demonstrating integrity and professionalism, developing and implementing fair solutions to problems, and assuming responsibility for our work.

**Goals/Objectives**

- Value our students, employees and all people with whom we interact, and treat them with respect.
- Adhere to high standards of academic integrity and professionalism. Implement college policies consistently.
- Practice ethical decision-making.

**Our Governance and Administration**

Western Wyoming Community College is under the control of a locally elected Board of Trustees responsible for governing
Western Wyoming Community College District. It is a public, non-profit, tax-supported, co-educational, two-year community college.

Board of Trustees:
- President: Ms. Shannon Honaker, Rock Springs
- Vice President: Mr. James Roth, Rock Springs
- Secretary: Ms. Lynne Chadey, Rock Springs
- Treasurer: Mr. Robert Reese, Green River
- Members: Mr. Dick Boettcher, Rock Springs; Mr. Dick Boettcher, Rock Springs; Mr. George Eckman, Green River; Mr. Robert Reese, Green River; Mr. Chris Plant, Rock Springs

Administrative Staff:
- President: Dr. Karla Leach
- V.P. for Student Success Services: Dr. Jackie Freeze
- V.P. for Student Learning: Mr. Lou Flaim
- Associate V.P. for Planning and Improvement: Dr. Sandra Caldwell
- V.P. for Administrative Services: Mr. Marty Kelsey
- Associate V.P. for Administrative Services: Ms. Laurie Watkins
- Ms. Carla Budd

Institutional Overview
Western Wyoming Community College is:
- A public, non-profit, tax-supported, two-year, co-educational institution granted legislative authority to award degrees
- Recognized by the Wyoming State Department of Education
- Recognized by the Veteran’s Administration
- An Equal Opportunity Employer

Accreditation
Western Wyoming Community College is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges & Schools. Western is one of approximately 200 institutions that participate in the Academic Quality Improvement Program within the Higher Learning Center. The Commission can be reached at:
30 N. LaSalle Street, Suite 2400
Chicago, IL 60602-2504
313-263-0456
http://www.ncahigherlearningcommission.org

Other Accreditation:
- American Medical Technologist (Phlebotomy)
- American Welding Society (AWS) Accredited Testing Facility

Our Locations

Rock Springs (Main Campus)
The WWCC main campus is located in Rock Springs. All college functions and operations are coordinated and supervised from the main campus. The all-enclosed facility provides a modern and attractive learning environment for students from the county, the 29,000 square mile service area, the remainder of Wyoming and others states and countries. The institution provides on campus living for students from the local and surrounding areas. The main campus offers a comprehensive array of transfer, technical and continuing education programming and services. The campus serves as focal point for the local area providing meeting space, cultural and social programming, lectures and other educational events, as well as an art gallery, and natural history, wildlife, and dinosaur museums. Local schools utilize the college for field trips and cultural events. The campus, consisting of 435 acres, can be easily reached by car on Interstate 80 and U.S. 191, as well as by Greyhound Bus Lines and two airlines. The College serves as a resource for current events and information. The Green River Center and Outreach Sites, in WWCC’s service area, round out the comprehensive offerings of the college.

Green River Center
The Green River Center, located in Green River, WY, is an extension of WWCC’s Rock Springs campus. Its focus is multipurpose to serve the needs of Green River and the surrounding areas. At the GRC, WWCC offers educational opportunities for students through a variety of formats including evening courses, high school dual enrollment, and industry training. Additionally, the offices for Workforce Development and Community Education are housed at the GRC. The Workforce Business Development program provides workforce training and professional/continuing education for business, industry, and government agencies as well as community education through a variety of personal growth and life development courses and workshops.

Services Available:
- Registration and advising
- Test Proctoring Services
- Workforce Trainings
- Accommodations for shift workers, Non-traditional, & part-time student
- Professional/Continuing Education
- Evening Courses
- MSHA Certification
- Compressed Video

Community Education
- Weekend & Flexible Courses
- Community/Cultural Events
- Conference and Seminar Facilities
- Public Computer Kiosks
- High School Dual Enrollment Courses
Outreach Centers

In this rapidly changing society, many people need to obtain new skills and knowledge in order to succeed in their professions or to be more active and committed members of their community. WWCC is committed to providing such learning experiences, not only to students who can attend on campus but also to students who are bound to jobs and responsibilities in the College’s Outreach areas.

The mission of WWCC is to provide courses and programs to educational opportunities throughout Sweetwater, Sublette, Carbon, Lincoln, and Uinta counties. The Distance Education department coordinates credit offerings in Afton, Big Piney, Baggs, Cokeville, Hanna/Elk Mountain, Evanston, Farson, Kemmerer, Lyman, Mountain View, Pinedale, Rawlins, Saratoga, Wamsutter and their surrounding areas. Each of these communities has a coordinator who initiates and implements the local credit programs. To meet the varied needs of these students, Western offers courses through a variety of distance education media including internet and compressed video. Credit courses at all sites adhere to the same standards and requirements set by Western Wyoming Community College.

Non-credit community service and continuing education courses are provided at most Outreach sites through WWCC’s partnership with BOCES. Citizens in these communities can enhance their personal knowledge or improve their job skills. These courses can vary in length from a few hours to an entire semester.

Residents seeking additional information about the WWCC programs or courses in their area should contact their local coordinator. Coordinators’ names and telephone numbers may be obtained by calling the WWCC Distance Education office at 382-1807 or looking at our web site at www.wwcc.wy.edu/dist_ed/outreach.htm

Western Wyoming Community College Service Area and Outreach Centers

The Western Wyoming College Foundation

The Western Wyoming College Foundation is a nonprofit corporation organized to promote, support and extend financial support to Western Wyoming Community College. It aids the College’s educational programs and services by providing scholarships and other financial assistance to the College.

The Foundation is authorized by its Articles of Incorporation to accept gifts, bequests, and donations for the use and benefit of Western Wyoming Community College and its students in accordance with the instructions of the various donors and testators.

The various scholarships and grants offered through the Civic Grant program administered by the Western Wyoming College Foundation may be found in the Financial Aid section.

The Foundation is managed by seven directors of which two are members of the Board of Trustees of the College. The remaining five are from the public at-large. Public at-large vacancies on the Board of Directors are filled by a vote of the majority of the remaining directors.

The current members are:
Mr. John Hay, III, President
Mr. Dick Boettcher, Secretary/Treasurer
Dr. Karla Leach, Director
Ms. Shannon Honaker, Director
Mr. Mike Yedinak, Director
Ms. Cindy Bailey, Director

Gifts for the Future

Western’s Foundation is currently overseeing a “Gifts for the Future” campaign where donations can be matched, dollar for dollar, up to 4.5 million, by the state of Wyoming. This effort will add endowment funds that will be utilized to assist students, industry, and the general public and allow the college to take advantage of unexpected opportunities. The three initiatives are closely aligned with the College’s Guiding Principles: Excellence in Learning, Excellence in Student Support Activities, and Excellence in Employee Support. For more information on the campaign, or to make a donation, please contact the Community Relations Office at 307-382-1882.
STUDENT SERVICES

Getting Admitted
Western Wyoming Community College is an open access institution, and all residents age 16 or older can be admitted to the College. All students working toward a degree are required to show evidence of high school graduation from an accredited high school, or successful completion of the General Education Development (GED) examination. Students may be conditionally admitted; however, completion of high school equivalency must be accomplished by the end of the student’s freshman year (completion of 30 semester hours of college credit). Students pursuing certificate programs must complete their high school education or equivalency by the midpoint in their program. If high school completion is not achieved, credit is not applicable toward a WWCC degree or certificate.

There are four types of students at Western Wyoming Community College. Each follows a different admissions procedure.

Degree or Certificate Students
Persons applying for a degree or certificate program should do the following: (All full-time students must follow this procedure.)

1. Complete the application for admission online.
2. Submit official transcripts from the last high school attended (must be an accredited high school) and previous colleges attended (if any). Students who completed high school equivalency five or more years before the date of application are only required to submit a copy of their diploma or GED certificate. Students who have not graduated from high school should submit a copy of the General Education Development (GED) scores or arrange to take the GED Examination at the College (no later than the end of the freshman year). Students in certificate programs must complete high school equivalency by the midpoint of their program. Students who have been home schooled should contact Admissions regarding specific requirements.

Once a student has submitted official transcripts from another school, they become the property of WWCC and original transcripts or transcript copies will not be returned to the student. This applies even if the student does not enroll. Copies are not made for third parties.

3. Whenever possible, submit ACT or SAT test scores. These tests are not required for admission; however, information from the tests can be used to assist the student in educational and vocational planning. They are also required for those students who wish to be considered for academic scholarships (Institutional and State Hathaway) and recommended for those who plan to transfer to a four-year college.
4. Students interested in the Nursing program should contact the Director of the program. In addition to the regular application process, they should also complete the special Nursing program application. Acceptance into the College does not constitute acceptance into the Nursing program. Screening information for the Nursing program is listed later in this catalog.
5. International students must complete additional application requirements listed below.

Prospective degree seeking students are issued an acceptance letter as soon as these requirements are completed. Students who have not received high school equivalency or who are currently attending college and cannot submit the college transcript, are granted conditional acceptance until all requirements are met. Exceptions to any admission requirements should be addressed to the Director of Admissions.

Non-degree Students
Non-degree seeking students are those who are taking credit courses on a part-time basis but are not working toward a degree or certificate. Non-degree seeking, part-time students do not have to complete the application process prior to registration.

High School Students
Juniors and Seniors who wish to take courses for credit are required to submit the High School Registration Form signed by their high school counselor. They should complete any special tests or other admission requirements for individual classes. Exceptional sophomores may also be allowed to take courses.

High school students should contact their Guidance Counselor for information about concurrent courses, which are WWCC courses taught at the high schools.

Non-Credit Students
Non-credit students complete a non-credit registration form at the time of registration.

Transfer Admission
Western Wyoming Community College will accept earned credit (in semester hours) from other accredited two-year and four-year colleges in the United States. Academic status at the time of admission and credits acceptable toward an Associate of Arts Degree, Associate of Fine Arts Degree, Associate of Nursing, Associate of Science Degree, and Associate of Applied Science Degree, or a certificate program, will be determined by Registration Records. A maximum of 50 semester hours of transfer credit is accepted toward WWCC degrees.

In addition to the requirements for degree or certificate students, policies relating to transfer admissions are as follows:

1. Students must submit official copies of transcripts from each institution attended.
2. Credit is accepted from accredited institutions as listed in the American Council on Education’s Accredited Institutions of Post-Secondary Education.
3. Transcript evaluations are completed for students who are accepted for admission. (Walk-ins or late applicants will not be evaluated until after the add period is over.) The transcript evaluation indicates which coursework is equivalent to WWCC courses as well as courses accepted under general divisions (i.e. History of Germany would be accepted as a history course even though the College doesn’t have a direct equivalent). Questions about equivalency are referred to the appropriate department for determination.
4. All coursework completed by the student is listed on the evaluation and on the WWCC transcript, although only 50 credit hours may be applied toward the WWCC degree or certificate program. Fourteen hours of the degree program must be completed through WWCC.
5. All grades of ‘D’ or better will transfer to WWCC except for freshman English, U.S. Government and the first college-level math class. GPA does not transfer or add into the WWCC
cumulative (CUM). For those graduates who complete less than half of their credit at WWCC, the previous CUM’s will be added into the CUM GPA to determine that a 2.00 GPA has been maintained.

6. WWCC does not accept religion courses.

7. Students may be required to submit course descriptions to prove equivalency if the content of any course is not readily apparent or a catalog is not on file with Registration Records.

8. Credit from an institution on the quarter system is converted to semester hours (a quarter hour is two-thirds of a semester hour). Fractions of hours are not rounded up.

9. Coursework completed more than ten years ago is subject to review. All credit will transfer and will fulfill general education requirements. Prerequisite courses and courses requiring current knowledge for specialized and technical certificates or degrees will not be accepted. Students may challenge or retake these courses. Examples of specialized or technical requirements include:
   a. Degree coursework (i.e. computer science courses for a student receiving an A.S. degree in Computer Science).
   b. Any technical or specialized skill course required for a certificate program.
   c. Courses requiring current knowledge prior to entry into the Nursing program (i.e. Anatomy and Physiology).

10. Students transferring U.S. Government courses from out-of-state will still be required to complete the Wyoming Government requirements for graduation.

11. Once a student submits an official transcript to WWCC, it becomes the property of the College and will not be released to a third party. If the student wants a copy of his/her record from another institution, he/she must request it directly from the college attended. This protects the student’s rights as well as the credibility and integrity of the other institution and its transcripts.

International Student Admission

In addition to the regular admissions procedures, an international student must submit the following information to the Admissions office:

1. WWCC requires documentation of English ability:
   Documentation of English ability is required for all non-U.S. citizens except native English speakers from the United Kingdom, Australia, New Zealand, or non-French speaking Canada. Waivers may be granted for (1) transfer students with demonstrated success in college level English courses or (2) students whose secondary education was taught in English. Contact the Director of Admissions with any questions.
   a. Official SAT score report or TOEFL score of 500 regular / 173 computer / 61 iBT or STEP Eiken Grade 2A or Cambridge ESOL exam or IELTS 5 for regular course enrollment.
   b. Official TOEFL score of 400 regular / 97 computer / 32 iBT or STEP Eiken Grade Pre-2 or Cambridge ESOL exam or IELTS 4 for ESL course enrollment.

2. English as a Second Language
   a. WWCC offers an ESL program for students who must reach higher levels of English ability before taking regular classes. Anyone with a TOEFL score below 97 must start in ESL preparatory courses.

3. Official high school and any college transcripts (if transfer credit is requested) translated to English. Attested copies are accepted.

4. A completed Health Form, signed by a physician.

5. Evidence of financial responsibility is also required. Expenses include tuition, fees, books, room and board, and health insurance. It does not include student’s personal expenses or transporta-tion costs.
   a. A statement of financial support from the bank of the person who will be sponsoring your stay in this country (stating how much will be available for your stay in this country). A minimum of $14,000 (US dollars) must be on the statement.
   b. A $100 non-refundable application fee, and a partially refundable $150 housing deposit (if on-campus housing is requested). Send a bank draft, money order, or American wire transfer payable to Western Wyoming Community College. The student must submit $7,000 to cover first semester costs upon arrival. This amount will be applied toward the first semester’s tuition, room, board, books, health insurance, and other fees.

All international students must have medical insurance. Proof of international medical coverage or purchase of the College’s insurance is required. After the applicant has completed the above, an admis-sion decision will be made. Accepted students will be sent an official letter of acceptance and a Certificate of Eligibility (Form I-20) will be issued for visa purposes.

Placement Testing

All students who are degree-seeking or full-time are required to take the COMPASS placement test. (Part-time, non-degree seeking students who take math, English, government and several other specific courses must also complete the COMPASS.)

Students with high ACT and SAT scores may be exempt.

Contact the ACE IT Center for more information. The tests are designed to determine the student’s level of ability – they are not pass/fail exams. The College’s aim is to place the student in the course best suited to meet his/her particular skills. In some cases, developmental courses are required before students may enter college-level courses in these areas. Tests are offered at various times prior to each semester and at the Outreach Centers. Students may retake the exam once per semester for a fee. Students must bring a photo ID when taking the test. Scores are valid for three years or as long as the student has continuous attendance at WWCC.

Advising

All full-time students are assigned to an academic advisor. Part-time students may be assigned an advisor upon request, and are encouraged to do so. Advisor assignments are made on the basis of the student’s career and educational interests.

Students must obtain their advisors’ signature on the advisement and registration form prior to registering each semester.

Students are encouraged to see their advisors on a regular basis regarding choice of classes, scheduling, and career interests.

The student is ultimately responsible for his or her decisions and must gather information through the catalog, class schedule and other sources.

In order to change advisors, the student must do so officially through Registration Records.
Registration Programs/Orientation
A Registration Program is offered for all new students. It consists of group meetings which address advisement, testing and registration policies and procedures. An online orientation is also available. Information may be obtained from the Student Engagement office.

All WWCC students are required to attend Kick Off Day on the day before Fall classes begin. The day includes information sessions with Student Success Services staff, department lunches and time with faculty.

All new degree-seeking freshmen (including students with dual or co-enrollment credits from high school) are required to attend one of the Registration Programs and the Kick Off Day program. Transfer students and returning WWCC students who have completed fewer than 12 hours and/or have a cumulative Grade Point Average of less than 2.00 are also required to attend a Registration Program. Part-time degree seeking and non-degree seeking students are welcome to participate.

Registration Programs are scheduled at several times throughout the summer and just prior to the start of the Fall and Spring terms for students who are unable to attend an earlier session.

The College wants students to know what is expected of them, what they need to do to succeed, and who they can look to for assistance. This is the focus of the Registration and Kick Off Day programs.

Military Service Credit
Students who have had military service may be granted credit in physical education (2 hours) in accordance with the recommendations of the Commission on Accreditation of Service Experiences. Credit for successful completion of military courses may be counted toward the credit requirements for graduation. Appropriate military documentation is required. Western Wyoming Community College may award credit, as recommended by the American Council on Education, for formal military service school courses and USAFI courses.

Service Members Opportunity College
Western Wyoming Community College is a member of the Servicemen Opportunity Colleges. As a SOC member, we are committed to easing the transition of relevant courses credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and work experiences. SOC functions in cooperation with fifteen national higher education associations, the Department of Defense, and Active and Reserve Components of the military Services.

Transfer of Credits
Students who wish to transfer course credits earned at Western Wyoming Community College to four-year colleges, universities, and professional schools should have no difficulty if their credits meet the following standards. Students planning to transfer to a four-year college or university should fulfill the requirements for the A.A., A.F.A., A.N., or A.S. Degrees.

1. Acceptable Grades: Grades of “C” or better are normally necessary to gain credit transferable to four-year schools. Some colleges and universities accept “D’s”. Students should check with the institution to which they plan to transfer.

2. Careful Selection of Courses: A student must choose courses at Western Wyoming Community College which are required by the four-year school for the student’s proposed major field of study. A student should check the catalog of that school and follow the program as closely as possible. If a course is numbered below the first listed course in a four-year program, credit will generally not be granted for the lower course.

3. Courses carrying a number less than 1000 after the department prefix (ENGL 0950) will not transfer or count toward WWCC transfer degrees.

4. Specialty courses listed under directed study, topics, cooperative education, or student leadership transfer at the discretion of the transferring institution.

Since each educational institution prescribes its own standards and its own prerequisites to transfer, a transfer student should discuss his/her program with the academic advisor. There is no limit to the number of hours students may transfer from WWCC to the University of Wyoming. However, they must complete 48 hours of upper division credit so the average acceptable transfer hours are 70-80. Students enrolled at the University of Wyoming who have accumulated 60 hours of college credit may, with the approval of a petition to the UW college dean, take additional courses at Western Wyoming Community College within the above limitations.

Because of the specialized nature of certain courses in occupational-vocational education, students majoring in these areas and wishing to transfer should familiarize themselves with the curricula of the institution to which they plan to transfer. Programs in WWCC’s Office Information Systems, Health Science and Technology and Industry areas are not designed to be transfer programs. Students should discuss their program at the College with their academic advisor, Coordinator of Academic Advising, Registrar, the Student Development Center, or the Vice-President of Student Learning.

Transfer Agreements with Other Institutions
WWCC has transfer articulation agreements with a number of colleges including:

- University of Wyoming
- Franklin University
- University of Utah
- Utah State University
- Black Hills State
- Chadron
- University of Northern Colorado
- Colorado State University
- Regis
- South Dakota School of Mines and Technology
- Kaplan University
- Upper Iowa University
- Weber State University (select majors)
- National American University
- Mayville State
- Ashford University
- Valley City State
- Idaho State University
- Mesa State University
- Utah Valley University

These agreements provide for guaranteed transfer of general education and other required courses.

Credit for Extra-Institutional Learning
Life Experience
Western Wyoming Community College recognizes the viability of “extra-institutional learning.” Extra-institutional learning is defined as learning that is attained outside the sponsorship of legally authorized and accredited post-secondary institutions. The term
There are two major ways by which a student may test for college credit by examination:

1. College Level Examination Program (CLEP) examinations.
2. An institutional course challenge examination if no CLEP test is available in that course area.
4. By submitting documentation of formal training to Registration & Records. The College Faculty reviews the material and, if appropriate, makes a recommendation for credit. This process can only be applied to work which corresponds to a specific course offered at Western. To qualify for Life Experience credit, the student must be enrolled at WWCC. Graded U's will be assigned when appropriate.

A maximum of forty hours can be granted for extra-institutional learning toward an associate degree.

Credit by Examination

There are two major ways by which a student may test for college credit without enrolling in a college course:

1. College Level Examination Program (CLEP) is sponsored by Educational Testing Service, and is a nationally accepted alternative college credit program. WWCC is an approved National Test Center for CLEP, and administers computer-based CLEP examinations to any person who wishes to be tested, however credit will only be transferred to WWCC transcripts for testing candidates with an active WWCC transcript. CLEP exams are administered on an individual basis, and are proctored in the Student Development Center. The Student Development Center should be contacted directly for more information on fees, subject tests, and scheduling. Students can also visit the CLEP website at www.collegeboard.com/CLEP.

2. For any subject in which a CLEP Test is not available credit by exam may be an option (see below). Through examination, it is determined if the student’s pro-ficiency is equivalent to that which could be expected upon completion of a college level course in the subject. If the student is found to have this level of proficiency, he/she is awarded credit for that course and allowed to proceed with the more advanced course or with other courses in other areas. The following stipulations apply:
   a. To qualify for credit by examination, the student must be enrolled at Western Wyoming Community College. No credit by examination will be permit- ted within the last month of a semester.
   b. A student may not earn credit by examination in a course if he/she has completed a course in the subject matter area above the level of the course in which he/she wishes to be examined.

Forty hours of credit earned through challenge and CLEP may be counted toward graduation from Western Wyoming Community College.

Advanced Placement

The Advanced Placement program is sponsored by The College Board and offers secondary school students the opportunity to participate in college-level coursework in high school and to take a national test at the end of their course.

WWCC accepts AP scores of 3 or higher: 3 = Qualified (C); 4 = Well Qualified (B); 5 = Extremely Well Qualified (A).

There is no charge for this credit, and credit is listed on the student’s WWCC transcript at the time of matriculation.

WWCC Equivalences are listed below:

<table>
<thead>
<tr>
<th>AP Examination</th>
<th>WWCC Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ART 2010 Art History</td>
</tr>
<tr>
<td>Art General</td>
<td>ART 1000 General Art</td>
</tr>
<tr>
<td>Biology</td>
<td>BIOL 1010 General Biology 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHEM 1020 General Chemistry I</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>COSC 1200 Comp. Info. Systems</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>ECON 1010 Macroeconomics</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>ECON 1020 Microeconomics</td>
</tr>
<tr>
<td>English, Lang and Comp</td>
<td>ENGL 1010 and 1020</td>
</tr>
<tr>
<td>French Language</td>
<td>FREN 1010 French I</td>
</tr>
<tr>
<td>German Language</td>
<td>GERM 1010 German I</td>
</tr>
<tr>
<td>Government &amp; Politics</td>
<td>POLS Elective Credit</td>
</tr>
<tr>
<td>History/European</td>
<td>Elective Credit</td>
</tr>
<tr>
<td>History/US</td>
<td>HIST 1210 US History</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MATH 2200 Calculus I</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MATH 2205 Calculus II</td>
</tr>
<tr>
<td>Physics B</td>
<td>PHYS 1110 General Physics I</td>
</tr>
<tr>
<td>Psychology</td>
<td>PYSC 1000 General Psychology</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPAN 1010 Spanish I</td>
</tr>
</tbody>
</table>

Honors Program

The Western Wyoming Community College Honors Program is designed for students with excellent academic records, intellectual curiosity, and above-average enthusiasm for learning. The Honors Program’s mission is to challenge bright students by encouraging learning communities within the classroom and opportunities for growth outside the classroom. Through field trips, classroom interaction, service-learning projects and other activities, students have the opportunity to meet and form friendships with a diverse group of individuals who share their commitment to learning.

Enrolling in Honors Courses

The Honors Program offers four to six honors courses in a wide range of disciplines each semester. These courses are designed to bring together talented students from all majors. Taught by some of Western’s best faculty, they are innovative, intellectually stimulating, and limited in size. Honors courses are open to:

- new freshmen with a 25 ACT, or 1700 ACT, or a 3.5 high school GPA
• students with a cumulative 3.25 GPA in college coursework
• students with instructor permission
• students who are members of the Honors Program

Applying to the Honors Program
• Incoming freshmen can apply for admission to the Honors Program if they have a 25 ACT, or 1700 SAT, or 3.5 high school GPA.
• Students with a cumulative 3.5 GPA in college coursework may apply to be in the Honors Program their second year.
• WWCC faculty may also nominate students, who are then invited to apply.
• Students who receive the WWCC Superior Student Scholarship and students transferring to WWCC from other honors programs will automatically be admitted to the WWCC Honors Program.

Becoming a Member of the Honors Program
A smaller number of students choose to apply to the college’s Honors Program, a distinction that affords them certain benefits and opportunities. Each year, 20 to 25 new students are admitted to the Honors Program. Roughly half are first-year students and half second-year. In addition, there are roughly 10 to 15 returning honors students each year. Total program size thus ranges between 30-40 students.

The following students are eligible to apply for admission to the Honors Program:
• Incoming freshmen with a 25 ACT, or 1700 SAT, or 3.5 high school GPA.
• Students with a cumulative 3.5 GPA in twelve or more hours of college-level coursework
• Students who are nominated by a member of the WWCC faculty (whether or not they meet the above requirements)

Students who receive the WWCC Superior Student Scholarship and students transferring to WWCC from other honors programs will automatically be admitted to the WWCC Honors Program.

To get a copy of the application form, see the Honors Program page on the WWCC website (www.wccc.wy.edu/programs/honors.htm) or contact the Honors Program Director Rick Kempa (rkempa@wccc.wy.edu; 382-1731; WWCC Room 1414). Applicants are selected on the basis of academic records, recommendations from faculty or mentors, and a short essay. Applications are screened and selected on an ongoing basis throughout the year. Priority deadlines for application for the fall semester are April 1 for returning sophomores and May 10 for incoming freshmen.

Benefits and Responsibilities of Honors Program Membership
Almost all Honors Program students participate in a special Honors Introduction to Humanities Seminar, offered in the fall semester. This seminar includes several field trips, as students examine the role of the arts and humanities in the human experience. As part of this course, students attend symphonies, plays, museums, and other cultural events at College expense.

Top Honors Program students may also be invited to attend regional or national honors conventions, funds permitting.

Honors Program students are required to maintain an average of three or more credits of honors courses for each semester of full-time study that they are in the program; or, if they are enrolled part-time, three credits of honors courses for each academic year. They must also maintain a GPA of at least 3.25. Any student who fails to meet these requirements has one semester on probation before being dropped from the Honors Program.

Students who have been members of the Honors Program for at least one semester, who meet certain program requirements, and who are deemed eligible by the college’s Financial Aid office will receive an Honors stipend of up to $500 in the spring semester. No student can receive more than two such stipends.

Being a WWCC Honors Program Graduate
Students will be recognized at graduation as WWCC Honors Program graduates if they:
• are accepted and remain in the Honor’s Program for at least two semesters of full-time study or four semesters of part-time study
• complete the Honors Introduction to Humanities seminar (or a suitable alternative, as determined in a meeting with the Honors Program director)
• complete, on average, three credits of honors courses for each semester of full-time study that they are in the program; or, if they are enrolled part-time, three credits of honors courses for each academic year
• maintain a grade point average of 3.25 or better

Transferring to Other Honors Programs
Students who have graduated from the WWCC Honors Program are typically welcomed, with application, into the honors programs at the University of Wyoming, Weber State University, Utah State University, and numerous other colleges as well. Honors scholarships are sometimes available at other schools for WWCC program graduates. In addition, colleges and universities throughout the nation recognize the Honors Program designation on a student’s transcript as a sign of superior work.

Getting Registered
Registration for courses takes place prior to the beginning of each semester (see the College calendar for specified dates). Students may register for certain non-credit and late start courses through the first class session. Tuition and fees are payable at the time of registration. Students may register, on a space available basis, for full semester courses during the first three class days. Students taking eight-week and five-week blocks may register through the first two class days.

Students are able to obtain a full refund prior to the first official day of classes. After that point, the refund schedule and payment obligations are in effect.

New students who plan to work toward degree or certificate programs should complete the application for admission, submit transcripts of previous high school and college work, take the American College Test (recommended but not required), and attend a Registration Program.

Registration Options
Students may register through the following methods:
• On-line via the WWCC web page, using Mustang WebAdvisor or the Part-Time registration form.
• In person in Registration Records, at the Green River Center, or at an Outreach Office.
• By mail (Part-time students)
• By telephone (Part-time students)

Late Registration
Students are encouraged to register on the dates specified in the College calendar. If this is not possible, students may register for full semester courses during the first three class days. Students taking courses block courses may register through the second day of the course. Contact Registration Records for specific dates. Students who enroll in flexible entry courses are not eligible for refund after the designated last day to add the course if it were not flexible.

Financial Aid
Responsibility for coordinating all student financial assistance is assigned to the Financial Aid Office. This responsibility includes scholarships, grants, loans, VA benefits, and federal work study. Each student is urged to consider the various financial aid options available.

The types of financial assistance at WWCC include:
• Aid based on assessed financial need
• Academic excellence
• Foundation and Institutional aid

All Federal, and most Foundation aid, requires completion of the Free Application for Federal Student Aid (FAFSA).

Supporting information may be required. Some institutional scholarships require the student to write a personal essay that details their career goals and educational plans, and submit two letters of recommendation to support the application. Additionally, students must be accepted for admission to WWCC and be in an eligible educational program before any financial aid award is disbursed.

How should I apply?
For institutional scholarship inquiries and applications, students should contact the WWCC Admissions Office. Western's priority funding date for most academic and institutional scholarships is July 1 and April 1 for Federal and Foundation Aid programs. Since aid programs are in high demand, students are encouraged to meet the priority dates while funds are still available. Aid is not reserved for late applicants and awards are made as files are completed.

For federal aid programs, students must file the FAFSA (Free Application for Federal Student Aid), and are responsible for submitting additional information requested by WWCC within the established deadline. Funds are limited and the process may be lengthy, so students should plan accordingly.

For WWC Foundation aid, students must submit the Civic Grant application to the Financial Aid Office. As many of these grants are need based, students are strongly encouraged to file the FAFSA. WWCC must have the civic grant application and FAFSA results on file in the Financial Aid Office by April 1 for priority consideration.

All financial aid applicants must have graduated from high school or completed their GED requirements and be degree seeking at WWCC.

How are selections made?
Selection for aid is made following the priority dates. Applications received by those dates will receive priority consideration for all available monies. Applications received after the date will be processed and considered for available funds. Students should begin receiving award notifications in early spring through summer. Once an award is made students can access the award notification on WWCC’s webpage through WebAdvisor. Login and password are required.

Often a combination of federal and institutional aid programs are offered to students to help meet their cost of attendance. The cost of attendance is comprised of the average costs for elements determined by financial aid office policies and federal guidelines as necessary to complete an educational program at WWCC. These elements include but are not limited to; tuition, fees, books, room and board, travel expenses, childcare and miscellaneous living expenses. There are other elements that can be included on a case-by-case basis in the cost of attendance. Two examples of these are expenses incurred due to disability and the cost of a computer. Contact the Financial Aid Office for more specific about these and other additional elements.

Federal Aid Programs:
Federal Pell Grant: Need based grant money that may be available to students attending approved post-secondary institutions. Application is made to and eligibility is determined by the Central Processing System.

Federal Supplemental Educational Opportunity Grant (FSEOG): Federal grants to students with the lowest family contribution and greatest financial need.

Federal Work Study (FWS): Student employment available to a limited number of students with need, who choose to earn part of their educational funding.

Leveraging Educational Assistance Partnership Program (LEAP): Federal money used to match state funds for grants to Wyoming residents with need in an amount greater than $900.

Subsidized Direct Loan: Need-based federally subsidized loan to college students which are funded by the Federal Direct Loan Program. While a student is enrolled at least half-time the interest is being paid by the Federal Government. The interest rate is fixed at 6.8% and repayment obligations begin six months after a student completes their education or stops attending on a part-time basis. Entrance counseling is required prior to disbursement.

Unsubsidized Direct Loan: Federal loans available to students funded by the Federal Direct Loan Program. Interest payments begin within 60 days after loan disbursement unless students choose to defer these payments. It has a fixed interest rate of 6.8%. Entrance counseling is required prior to the final disbursement.

Federal Direct PLUS Loan: Federal loan available to parents whose dependent children attend post-secondary institutions. The interest rate is fixed at 8.5% and repayment begins immediately after loan disbursement.

Institutional Aid Programs
Scholarships
WWCC's academic scholarship program is funded through a combination of resources including WWCC institutional funds, the state of Wyoming’s Hathaway Scholarship program, and the WWC Foundation. Scholarships with a specified fund amount are distributed over a two term period and eligibility criteria must be maintained to receive the second scheduled award.
WWCC Superior Student Scholarship: Awarded to students exhibiting academic excellence and requires a minimum GPA of 3.75 and ACT composite of 27, or SAT composite of 1830 (Critical Reading, Math, and Writing) to qualify. A personal interview is required, in addition to a personal essay and two supporting letters of recommendation. These scholarships are awarded for a four-semester period and are intended to provide in-state tuition, books, residence hall suite and limited board. Recipients are required to enroll in one honors course per semester. For continuation, the student must complete 15 credit hours per semester with a minimum GPA of 3.5 and must be enrolled in the Honors Program.

Honors: Awarded to high school seniors for four consecutive semesters. Requires a minimum 3.5 high school GPA and ACT composite of 25. This $4,400 award is an entitlement through July 1. After that point, out-of-state students no longer qualify and in-state students will receive the $3,200 Hathaway award only. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

Performance: Awarded to high school seniors for four consecutive semesters. Requires a minimum 3.0 high school GPA and ACT composite of 21. This $3,400 award is an entitlement through July 1. After that point, out-of-state students no longer qualify and in-state students receive the $2,400 Hathaway award only. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

Opportunity: Awarded to high school seniors for four consecutive semesters. Requires a minimum 2.5 high school GPA and ACT composite of 19. This $1,600 award is an entitlement through July 1. After that point, out-of-state students no longer qualify. For continuation, students must complete 12 credit hours per semester with a 2.25 GPA.

Provisional Opportunity: Stipend awarded to high school seniors for four consecutive semesters. Requires a minimum 2.5 high school GPA and ACT composite of 17 or Workkeys score of 12. This $1,600 award is available only to in-state students majoring in occupational areas. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

Sweetwater County High School Graduate Scholarship: A four semester scholarship awarded to students that graduated from a Sweetwater County high school in 2006 or after. This $2,000 award requires that applicants file the FAFSA, complete the financial aid application process and attend WWCC full-time. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

Transfer: A four semester scholarship awarded to students transferring to WWCC after attending another post secondary educational institution and do not qualify for Hathaway funding. Transfer must occur within 5 years of last college attendance. This $3,500 award requires that the student has a minimum 3.50 college GPA and completed a minimum of 12 college credit hours. For continuation, students must complete 14 credit hours per semester with a 3.0 GPA.

Part-Time: Awarded to incoming or current part-time students at WWCC and will provide tuition for one three credit hour course each semester for one academic year. Students must complete the required application and personal essay. For continuation, students must complete the 3 credit hour course with a 3.0 GPA.

Non-traditional Student: A four semester scholarship awarded to entering or returning adult students attending WWCC full-time that have been out of high school for at least five years. This $1,800 award requires that the student have a minimum high school GPA of 2.5 or college GPA of 2.75. For continuation, students must complete 12 credit hours per semester with a 3.0 GPA. Amounts prorated for less than full-time attendance.

Excellence in Academics: A four semester scholarship awarded to degree seeking students who have completed a minimum of 12 credits at WWCC with a minimum cumulative GPA of 3.5. This $2,500 award requires that students complete 12 credit hours per semester with a 3.0 GPA for continuation.

WWCC Divisional Scholarship: Developed to reward academic excellence and student interest within WWCC academic disciplines. Students generally must have a minimum GPA of 3.00 to qualify and must be majoring in that division. Selection criteria is developed by each division and recipients are identified accordingly. Students must complete 12 credits each semester with a minimum 2.0 GPA. Value varies and is generally limited to two semesters.

Athletic Grant-In-Aid: Provided by the College in recognized competitive sports areas which require the student athlete to actively compete in order to qualify. The value is dependent on the specific contract, but may include in-state tuition, board, books, and room. Students must also submit the FAFSA.

Special Ability Grant: Offered to students with exhibited special abilities in performing areas such as art, music, theatre or dance. Students must actively participate in the area to receive these grants and the value may include in-state tuition and/or residence hall suite costs.

WWCC Competition Grant: Awarded in recognition of college-sponsored competitive events in academic or vocational areas to competition winners. Value is limited to in-state tuition for four consecutive semesters.

Vietnam Era Veterans Program: Provides in-state tuition costs for up to ten semesters to Wyoming residents who have a Vietnam Service Medal for the period between August 5, 1964 to May 7, 1975. Discharges must be other than dishonorable and veterans must have resided in Wyoming for not less than one calendar year. Veterans may not be receiving any educational benefit funded through the Veteran’s Administration to receive this tuition grant.

WWC Foundation Civic Grant Program: With sincere gratitude, Western Wyoming Community College acknowledges the scholarships and grants provided through the generosity of businesses, industries, civic groups, and individuals. The grants vary in value from $250 to $2000 per academic year. These funds are available to student applicants meeting criteria established by the donors.

Rights and Responsibilities

All students receiving financial aid are required to adhere to the Academic Standards for financial aid recipients. Awards are reviewed after each semester and considered for renewal. Renewal is required via the appropriate application following every Spring semester.

Upon request the Financial Aid Office will provide the following types of information: 1) descriptions of aid programs available to students enrolled; 2) procedures for applying for aid; 3) criteria for awarding aid; 4) rights and responsibilities of students receiving aid; 5) comprehensive costs; 6) description of academic programs and facilities; 7) loan repayment terms and schedules.

Academic Standards for Financial Aid Recipients

Students who receive financial assistance at Western Wyoming Community College through Federal, State, or Institutional Financial Aid Programs have a legal responsibility to maintain satisfactory progress towards a degree objective. This requires the Financial Aid Office to determine whether applicants are eligible for financial assistance based on their prior academic record, whether or not they received aid. These guidelines represent minimal
standards. They do not necessarily coincide with the requirements students must fulfill to initially receive aid nor the number of credits a student is expected to earn in order to complete an associates degree in two years’ time. Students will be considered in good standing and eligible to receive financial assistance at WWCC if maintaining normal academic progress towards their degree as required by Federal, State, and Institutional regulations and the following policies and conditions.

**Duration of Eligibility:** Students will be eligible for financial assistance for a specified number of credit hours not to exceed 150% of the credit hours needed to complete the average academic program at WWCC. All transfer and attempted credit hours will be counted in determining the quantitative measure of satisfactory academic progress. The maximum number of credit hours allowed for the Associate of Art, Science and Applied Science Degrees is 96. This is 150% of the 64 credits needed to complete these degrees. Based on 80 credit hours needed for the Associate of Fine Arts Degree, 120 credit hours are the maximum a student can attempt and maintain Satisfactory Academic Progress for this degree. Based on the 72 credit hours needed for the Associate of Nursing Degree, 108 credit hours are the maximum a student can attempt and maintain satisfactory academic progress for this degree.

**Satisfactory Completion:** Satisfactory completion of credits means a student has received a minimum grade of D. Grades of I (incomplete), F (failure) and W (withdrawal), are not adequate or acceptable in maintaining satisfactory progress. Repeat courses will be counted in attempted and completed credits. The Financial Aid Office will include costs for a repeat course only once and has the right to refuse aid to students who abuse the inclusion of repeat courses. Inappropriate selection of courses is not an acceptable reason for failure to maintain satisfactory academic progress. Students should contact an advisor as needed.

**Minimum GPA and Credit Completion For Federal Financial Aid Recipients:** Students must maintain at least a 2.00 cumulative GPA. There are also minimum completion standards per semester. These are outlined below:

<table>
<thead>
<tr>
<th>Status:</th>
<th>Credits</th>
<th>Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>12 + credits</td>
<td>12 or more</td>
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<tr>
<td></td>
<td>6-11</td>
<td>Warning</td>
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<td></td>
<td>0-5</td>
<td>Suspension</td>
</tr>
<tr>
<td>9-11 credits</td>
<td>9 or more</td>
<td>Satisfactory</td>
</tr>
<tr>
<td></td>
<td>6-8</td>
<td>Warning</td>
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<td></td>
<td>0-5</td>
<td>Suspension</td>
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<tr>
<td>6-8 credits</td>
<td>6-8</td>
<td>Satisfactory</td>
</tr>
<tr>
<td></td>
<td>0-5</td>
<td>Suspension</td>
</tr>
</tbody>
</table>

**Financial Aid Warning:** Financial Aid recipients who do not complete the minimum credits for which they were awarded are placed on Financial Aid warning status. Students who are on warning may still receive financial aid. First time freshman will be placed on warning if their first semester GPA is within a .25 range of the GPA required for their particular type of funding. Students who do not pass the minimum required credits during the next semester will be suspended from financial aid and will be ineligible to receive financial aid.

**Financial Aid Suspension:** Financial Aid recipients will be automatically placed on suspension status if they (1) withdraw from WWCC; (2) fail to satisfactorily complete a minimum of six (6) credit hours (3) fail to achieve satisfactory progress while in probationary status, or (4) have a GPA below 2.0

**Appeal of Suspension:** Students may appeal in writing to the Financial Aid Director. It is the responsibility of the students to know if their grade reports, when compared to the satisfactory progress standards, will cause immediate suspension of their financial aid. It is not the responsibility of the Financial Aid Office to notify students. Further, it is the student’s responsibility to notify the Financial Aid Office when reinstatement conditions have been met or to initiate an appeal.

**Transfer Students:** Students who transfer to WWCC with satisfactory progress deficiencies are required to appeal for probationary funding.

**Non-Degree Students:** A non-degree student is, by definition, not considered to be in a degree program and is, therefore, not eligible for financial aid.

**Return of Funds:** Financial aid recipients who drop classes before earning 100% of the aid offered are subject to the Department of Education Return of Funds policies. Refund monies will be used to repay any financial aid awards before any refund is made to the student. Students may be required to repay financial aid when they withdraw before the end of the semester. The amount of repayment is determined according to Federal regulations which take into account the number of class days attended and the total dollar amount of aid received.

**Remedial Courses:** WWCC students can receive funding for remedial courses not to exceed 24 credit hours.

**Changes in Satisfactory Progress Standards:** Changes to any of the specific provisions regarding this policy may be made at any time, without publication, due to changes in Federal, State, and/or Institutional Regulations or Policies. Questions should be addressed to the WWCC Financial Aid Office.

**Scholarship/ Civic Grant Recipients:** Many Scholarship recipients are required to maintain higher academic standards than outlined in this policy. Students unable to maintain minimum acceptable standards should contact the Financial Aid Office. Scholarship/Grant recipients will not receive a semester of probationary funding if the scholarship/grant requirements are not met. Students must appeal for this option.

**Advisement:** All financial aid recipients are encouraged to use an advisor in preparing class schedules each semester. Inappropriate course selection is not considered a mitigating circumstance in failing to maintain satisfactory academic progress.

**Non-Credit Courses:** Recipients enrolling in a non-credit course for continuing education or community service may not use those classes to meet satisfactory progress. Non credit courses do not qualify for financial aid funding.

**Flexible Entry:** Aid recipients who enroll in a flexible entry course are not excused from completing the required number of credits each semester, even though a course is designed for flexibility. Students must complete the required number of credit hours for the type of aid they receive.

**Repeats:** A student who elects to repeat a course may use the resulting grade point in calculation of their cumulative GPA. Students are eligible to repeat a course once and receive funding. The Financial Aid Office has the right to refuse aid to students who abuse the inclusion of repeat courses to obtain funding.

**Financial Aid Review Board:** The WWCC Financial Aid Review Board is available to hear requests for special circumstance
appeals which the Director of Financial Aid has denied or has
referred to the Review Board. At this level, students are required to
appear in person. Request to go before the Review Board is a one
time option.

Note: Students on academic scholarships should make
themselves aware of the maintenance hours and grade point
average required for their scholarships.

Refunds and Repayments for Students
with Scholarship, Title IV Grant, or Title IV
Loan
1. A student who is in default or owes a refund to any institution
any of any funds received under Title IV grant or loan programs for
attendance at any institution is not eligible to receive Title IV funds.
2. A student who receives a scholarship, Title IV Grant, or Title IV
Loan funds, and withdraws, drops out, or is expelled before the
first day of classes in the payment period must repay the full
amount of all such awards.
3. A student who receives scholarship, Title IV Grant, or Title IV
Loan funds and subsequently withdraws, drops out, or is expelled must make repayment of such awards
in accordance with established policy.
4. Return of Title IV Funds: If the student described in (3) above
is due a refund of payment made to Western Wyoming Community College for tuition and fees, housing, or board,
such refund will be assigned to Title IV and scholarship
categories in accordance with Federal and Institutional policy.
Within the scholarship category, repayments to the respective funds will be made in the same proportion as awards were
received from those funds. Within the Title IV category,
repayments will be prioritized with repayment first to the Direct Loan program, Perkins and any other Title IV aid loan account,
then successively (if funds remain) to the Pell Grant. No
repayment to a fund may exceed the amount the student received from that fund. Any unassigned refund will be paid to the
student.
5. Overpayments: If the student described above received Title IV
Grant and scholarship funds in excess of tuition, book
allowance, housing, and board payments made to Western Wyoming Community College, such excess constitutes an
overpayment to the student if it exceeds the standard living
cost allowance for the student’s period of attendance. If an
over payment has been made, the student will be billed for
repayment of that amount. Within the scholarship category,
repayments to the respective funds will be made in the same
proportion as awards were received from those funds. Within
the Title IV category, repayments will be prioritized with
repayment successively to the Pell Grant fund, SEOG fund,
and the LEAP fund. No repayment to a fund may exceed the
amount the student received from that fund.

Verification Policies and Procedures for
Federal Student Aid Applications
1. Conditions requiring verification
An applicant will be required to verify, or validate by
documentation, application information if the application is
selected for verification in the federal processing and edit
system. An application may also be selected for verification if the
Financial Aid Office has reason to believe that any
application information critical to the calculation of the student’s
expected family contribution is inaccurate.
2. Notice of verification requirement
If an application is selected for verification, the Financial Aid
Office will give the applicant timely written notice of the fact.
The notice will specify what items of information must be
verified, will detail what documents and procedures are
required for verification, will 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.
3. Deadline for submission of verification documents
While the time period granted 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, 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) before the end of the
term to be funded.
4. Consequences of failure to comply with verification
requirements
Should the applicant fail to provide required documentation
within the specified time period, the Financial Aid Office must
consider the application invalid, and the applicant will forfeit
eligibility for assistance from the federal Title IV, and any other,
student aid programs for the program year for which the invalid
application was filed.
5. Notice of results of verification
If the verification documents provided within the specified time
period confirm the accuracy of all application items requiring
verification, the application is finalized and, if all other
requirements have been met, an award letter is sent to the
applicant. If the verification documents reveal inaccuracies in
the application, the Financial Aid Office will resubmit corrected
data to the federal processor. If incomplete or inadequate
verification documents are submitted, the applicant is notified
of deficiencies and instructed how to correct them. The
applicant will be notified of his/her eligibility or non-eligibility by
letter.
6. Fraudulent application information
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 Financial
Aid Office must refer for investigation all relevant information to
the Office of the Inspector General of the U.S. Department of
Education. Examples of such information include false claims
of independent student status, false claims of citizenship, use
of false identities, forgery of signatures or certificates, and false
statements of income.

Veterans’ Benefits
Applications for veterans’ educational assistance should be filed
two months prior to enrollment to avoid any delay in payment.
Information and forms can be obtained from the Financial Aid
Office at Western Wyoming Community College.

General information on VA Work Study, VA Educational Loans,
Tutorial Assistance, Group Life Insurance and home loans is also
available. Specific questions on any VA program can be answered
by contacting the Dept. of Veteran’s Affairs at 1-888-442-4651.

Wyoming Vietnam Veterans
The Wyoming legislature has passed legislation providing 10
semesters of free in-state tuition for Vietnam Veterans who attend
the University of Wyoming or any Wyoming community college. A
Vietnam Veteran is defined as any person who:
1. Was in active service with the military forces of the United States and received a Vietnam service medal between August 5, 1964 to May 7, 1975; and

2. Received a discharge from the military forces of the United States other than dishonorably; and

3. Has been a resident of Wyoming for not less than one (1) year.

Veterans may not be receiving any educational benefits funded through the Veteran’s Administration to receive this tuition program.

Further information can be obtained in the Western Wyoming Community College Financial Aid Office.

**Wyoming Overseas Combat Veteran’s Waiver**

Provides free tuition at the University of Wyoming and community colleges for overseas combat veterans, combat veteran widows and orphans. To qualify as an overseas combat veteran, a person was a resident of Wyoming for at least one year prior to entering into active service, was honorably discharged and was awarded the armed forces expeditionary medal or other authorized service or campaign medal indicating service to the United States in any armed conflict in a foreign country. For additional information, contact the veteran’s representative in the financial aid office.

**Veterans’ Satisfactory Progress Guidelines**

All students who are veterans receiving educational benefits at Western Wyoming Community College are required to adhere to satisfactory progress guidelines:

1. They must complete a certain number of credit hours according to:
   a. Students who are registered for 12 or more credit hours at the beginning of the semester must complete a minimum of 12 credit hours with a minimum grade point average of 2.00.
   b. Students who are registered for 11 or fewer credit hours at the beginning of the semester must complete a certain number of the courses for which they are enrolled with a minimum grade point average of 2.00. Specifically:
   2. Students taking between 9 and 11 hours must complete a minimum of 9 hours with a 2.00 GPA, and;
   3. Students taking between 6 and 8 hours must complete a minimum of 6 hours with a 2.00 GPA. Students who fail to meet the specified number of hours will be placed on probation. Students on probation have one semester in which to perform satisfactorily. If they do not meet the above standards during the pro-bationary semester, they are not certified for VA benefits during the following semester or semesters.
   4. They must verify that they have been attending class by submitting a certification of VA enrollment form. This form is mandatory and must be submitted to the Financial Aid Office before the fifth of each month.
   5. They must advise the VA Representative in the Financial Aid office of any course changes (drops/adds) within 10 days of the changes. Failure to provide certification of VA enrollment form or not advising VA Representative of course changes, could result in non-certification of a student’s courses with the Veterans’ Administration.

The Financial Aid Office will maintain appropriate veteran’s files which will include progress and attendance records. Veterans will be informed during registration of their responsibilities with regard to the standards of progress guidelines.

**Student Rights**

**Privacy Rights of Students (FERPA)**

Privacy rights of Western Wyoming Community College students are in compliance with amended Section 438 of the General Education Provision Act, the Buckley Amendment.

Students who are attending or have attended Western Wyoming Community College and with respect to whom Western Wyoming Community College maintains education records or personally identifiable information are the exclusive claimants to the rights listed below. Parents who declare a student as a dependent, as defined in Section 1512 of the Internal Revenue Code of 1954, are also included; but in such cases, the particular student also retains his or her rights. Applicants for admission to Western Wyoming Community College are not included until they have officially enrolled. In the case of violations of law and policy and threat to safety of the student or others, FERPA rights may be suspended.

Western Wyoming Community College respects and actively seeks to protect the privacy rights of its students and their parents in regard to education records and personally identifiable information formulated and/or maintained by the College. These rights are generally defined as:

1. Right to inspect and review educational records within 45 days of the day the request is received. Submit your request in writing to Registration Records. Please be sure to identify all records you wish to review. Only records originating at Western Wyoming Community College will be copied for the student. We will not copy transcripts from other schools, or other information, originating elsewhere.

2. Right to seek to amend educational records. If you think that something in your file is inaccurate, you may make a written request to have that record changed. Supporting documentation must be provided. We will notify the student in writing when the decision is made whether the record will be amended.

3. Right to have some control over the disclosure of information from educational records except to the extent that FERPA authorizes disclosure without consent. WWCC officials with legitimate educational interests may view a student’s records. This includes student or Board of Trustees members of disciplinary or grievance committees.

4. Right to file a complaint with the U.S. Department of Education concerning alleged failures by WWCC to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are:

   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Ave., SW
   Washington, DC 20202-4605

**Directory Information**

Western has identified the following information as directory information, meaning we will release it if the student has granted permission on the application for admission or registration information sheet. We do not publish a directory, so every situation is handled case-by-case based on the privacy code entered on the administrative computer system.
Equal Opportunity and Affirmative Action

Western Wyoming Community College is an Affirmative Action/Equal Opportunity institution and as such, does not discriminate on the basis of race, color, national origin, sex, age, religion, handicap status, disabled veteran, or veteran of the Vietnam era in admission or access to, or treatment of employment in, its educational programs or activities. Inquiries concerning Title VI, TITLE IX Section 504 or the Americans with Disabilities Act in acquisitions and development of equipment, programs and facilities to assist students with disabilities. On-campus adapted housing, modified computer workstations and various adaptive equipment are available to students with disabilities. Individuals who believe they have been treated unfairly or unlawfully under the provisions of this Act should contact the College’s Associate V.P. for Administrative Services, who serves as the ADA Compliance Coordinator.

Accessibility for Individuals with Disabilities

Western Wyoming Community College has met requirements of the Americans with Disabilities Act in acquisitions and development of equipment, programs and facilities to assist students with disabilities. On-campus adapted housing, modified computer workstations and various adaptive equipment are available to students with disabilities. Individuals who require specific accommodations should contact the Student Development Center.

Student Completion and Transfer

According to WWCC’s Student Right to Know data 49 percent of WWCC degree-seeking students complete their degree within three years of their start. Of that group, 81 percent transfer immediately after graduation and sixteen percent transfer without receiving their degree. Contact the V.P. for Student Success Services for more detailed information on graduation rates.

Costs of Attending

Estimated Annual Cost

<table>
<thead>
<tr>
<th></th>
<th>In-state</th>
<th>WUE*</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition &amp; Required Fees</td>
<td>$2,186</td>
<td>$3,074</td>
<td>$5,786</td>
</tr>
<tr>
<td>Books &amp; Supplies</td>
<td>$1,500</td>
<td>$1,500</td>
<td>$1,500</td>
</tr>
<tr>
<td>Board (10-meal plan)</td>
<td>$1,881</td>
<td>$1,881</td>
<td>$1,881</td>
</tr>
<tr>
<td>Average Room (on-campus)</td>
<td>$2,146</td>
<td>$2,146</td>
<td>$2,146</td>
</tr>
<tr>
<td>Estimated Annual Expense</td>
<td>$7,713</td>
<td>$8,601</td>
<td>$11,313</td>
</tr>
</tbody>
</table>

*Western Undergraduate Exchange (WUE) (p. 24)

It should be clearly understood that these figures are ONLY estimates for students who live on campus. Local students commuting to campus would probably not require these amounts.

Tuition and Fees

The following schedule shows the charges for credit classes. Students taking 12 or more credit hours per semester are charged the full-time rate and are classified as full-time students. Those enrolling for 11 credit hours or less per semester are charged the per-hour rate and are classified as part-time students. Sweetwater County residents aged 60 years or over may enroll for classes at the College with payment of tuition waived. Special fees for laboratory supplies or other costs remain the financial responsibility of each student, regardless of age and cannot be waived.

The College Board of Trustees reserves the right to change tuition and fees at any time.

Per Semester

<table>
<thead>
<tr>
<th></th>
<th>Residents of Wyoming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time (12 hours or more)</td>
<td>$1093</td>
</tr>
<tr>
<td>Part-time (11 hours or less)</td>
<td>$92/hr</td>
</tr>
<tr>
<td>Out of State</td>
<td></td>
</tr>
<tr>
<td>Full-time (12 hours or more)</td>
<td>$2,893</td>
</tr>
<tr>
<td>WUE State Residents (Full-time)</td>
<td>$1,537</td>
</tr>
<tr>
<td>Part-time Out-of-State</td>
<td></td>
</tr>
<tr>
<td>(11 hours or less)</td>
<td>$242/hr</td>
</tr>
<tr>
<td>Part-time (WUE)</td>
<td>$129/hr</td>
</tr>
</tbody>
</table>

Overload

An overload fee will be assessed for all hours in excess of 21 credit hours. The fee will be the per credit hour charge in accordance with the student’s classification (ex. in-state or out-of-state).

In-State: $75/hr  Out-of-State: $225/hr  WUE: $112/hr

Payment

Students registered in 6 or more credits may choose a payment plan option (3 payments, $50 setup fee). Once classes begin, the refund schedule goes into effect. Students who leave WWCC owing tuition and fees are still responsible for payment. Bad debts are submitted to collection and are subject to collection fees.
## Course Fees
Fees attached to individual courses are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>All courses*</td>
<td>20</td>
</tr>
<tr>
<td>ART 1000</td>
<td>General Art*</td>
<td>7</td>
</tr>
<tr>
<td>ART 1120</td>
<td>Design: 3D*</td>
<td>30</td>
</tr>
<tr>
<td>ART 1150</td>
<td>Photography I*</td>
<td>14</td>
</tr>
<tr>
<td>ART 1160</td>
<td>Photography II*</td>
<td>14</td>
</tr>
<tr>
<td>ART 1310</td>
<td>Sculpture I*</td>
<td>80</td>
</tr>
<tr>
<td>ART 2050</td>
<td>Life Drawing*</td>
<td>15</td>
</tr>
<tr>
<td>ART 2090</td>
<td>Printmaking*</td>
<td>10</td>
</tr>
<tr>
<td>ART 2120</td>
<td>Graphic Design I*</td>
<td>10</td>
</tr>
<tr>
<td>ART 2130</td>
<td>Graphic Design II*</td>
<td>10</td>
</tr>
<tr>
<td>ART 2410</td>
<td>Ceramics I*</td>
<td>35</td>
</tr>
<tr>
<td>ART 2420</td>
<td>Ceramics II*</td>
<td>45</td>
</tr>
<tr>
<td>ART 2430</td>
<td>Ceramics III*</td>
<td>50</td>
</tr>
<tr>
<td>ART 2440</td>
<td>Ceramics IV*</td>
<td>60</td>
</tr>
<tr>
<td>ART 2445</td>
<td>Ceramics Studio*</td>
<td>60</td>
</tr>
<tr>
<td>ART 2485</td>
<td>Special Projects in Ceramics*</td>
<td>60</td>
</tr>
<tr>
<td>AUTO</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>BAS</td>
<td>All courses*</td>
<td>5</td>
</tr>
<tr>
<td>BIOL</td>
<td>All lab courses*</td>
<td>35</td>
</tr>
<tr>
<td>BIOL 2080</td>
<td>Psychobiology*</td>
<td>22</td>
</tr>
<tr>
<td>BIOL 1210</td>
<td>Wyoming Flora*</td>
<td>30</td>
</tr>
<tr>
<td>BIOL 1220</td>
<td>Birding*</td>
<td>30</td>
</tr>
<tr>
<td>BOTK</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>CHEM</td>
<td>All lab courses*</td>
<td>35</td>
</tr>
<tr>
<td>CMAP</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>CMPT</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>COMM 2300</td>
<td>Graphic Design I*</td>
<td>10</td>
</tr>
<tr>
<td>COMM 2330*</td>
<td>Graphic Design II*</td>
<td>10</td>
</tr>
<tr>
<td>COSC</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>DESL</td>
<td>All courses*</td>
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<tr>
<td>ELAP 1515-1585</td>
<td>Elec. Apprenticeship I-VIII*</td>
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</tr>
<tr>
<td>ELTR</td>
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<tr>
<td>ENGL 1010</td>
<td>English Composition*</td>
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<tr>
<td>ES 1000</td>
<td>Orient to Engineering*</td>
<td>25</td>
</tr>
<tr>
<td>ES 1060</td>
<td>Engineering Computing*</td>
<td>20</td>
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<tr>
<td>ES 1070</td>
<td>Solid Modeling I *</td>
<td>35</td>
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<tr>
<td>ES 2230</td>
<td>Computer Aided Drafting*</td>
<td>35</td>
</tr>
<tr>
<td>ES 2240</td>
<td>Adv. Comp. Aided Drafting*</td>
<td>35</td>
</tr>
<tr>
<td>GEOL</td>
<td>All lab courses*</td>
<td>20</td>
</tr>
<tr>
<td>HLED 1225</td>
<td>First Aid &amp; CPR*</td>
<td>18</td>
</tr>
<tr>
<td>HLTK 1650</td>
<td>Adv. CPR/AED for Professionals*</td>
<td>18</td>
</tr>
<tr>
<td>INDM</td>
<td>All courses*</td>
<td>20</td>
</tr>
<tr>
<td>MCH</td>
<td>All courses*</td>
<td>20</td>
</tr>
<tr>
<td>MOA</td>
<td>All courses*</td>
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<tr>
<td>MOLB 2210</td>
<td>General Microbiology*</td>
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<tr>
<td>MUSC</td>
<td>Applied Music 1/2 hr lesson</td>
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<tr>
<td>MUSC</td>
<td>Applied Music 1 hr lesson</td>
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<tr>
<td>NRST 1510</td>
<td>Cert. Nurse Assistant*</td>
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<tr>
<td>NRST 1555</td>
<td>Practical Nursing I*</td>
<td>27</td>
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<td>NRST 1565</td>
<td>Practical Nursing II*</td>
<td>23</td>
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<td>NRST 1575</td>
<td>Practical Nursing III*</td>
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<td>NRST 1610</td>
<td>Nursing I*</td>
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<td>NRST 1620</td>
<td>Nursing II*</td>
<td>66</td>
</tr>
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<td>NRST 1985</td>
<td>Practical Nursing Roles*</td>
<td>35</td>
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<td>NRST 2630</td>
<td>Nursing III*</td>
<td>61</td>
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<td>NRST 2640</td>
<td>Nursing IV*</td>
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<tr>
<td>OGPT</td>
<td>All Courses*</td>
<td>20</td>
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<tr>
<td>PEAC</td>
<td>Wellness Ctr, pool, Aux Gym and Weight Room courses*</td>
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<tr>
<td>PEAC</td>
<td>All outdoor courses</td>
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<tr>
<td>PEAC 1015</td>
<td>Beginning Skin &amp; Scuba*</td>
<td>90</td>
</tr>
<tr>
<td>PEAC 1021</td>
<td>Beginning Kayaking*</td>
<td>80</td>
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<tr>
<td>PEAC 1029</td>
<td>Core Board (GRG)*</td>
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<tr>
<td>PEAC 1050</td>
<td>Beginning Tennis*</td>
<td>10</td>
</tr>
<tr>
<td>PEAC 1254</td>
<td>Snowboard Riding*</td>
<td>20</td>
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<tr>
<td>PEAC 1258</td>
<td>Downhill Skiing I*</td>
<td>20</td>
</tr>
<tr>
<td>PEAC 1260</td>
<td>Beginning Volleyball*</td>
<td>10</td>
</tr>
<tr>
<td>PEAC 1264</td>
<td>Beginning Softball*</td>
<td>10</td>
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<tr>
<td>PEAC 1280</td>
<td>Fly Fishing I*</td>
<td>25</td>
</tr>
<tr>
<td>PEAC 1287</td>
<td>Rock Climbing I*</td>
<td>20</td>
</tr>
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<td>PEAC 1290</td>
<td>Physical Conditioning*</td>
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<tr>
<td>PEAC 1297</td>
<td>Whitewater Rafting*</td>
<td>54</td>
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<td>PEAC 1320</td>
<td>Big Game Habitat Skills*</td>
<td>75</td>
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<tr>
<td>PEAC 2012</td>
<td>Advanced Scuba Diving*</td>
<td>90</td>
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<td>PEAC 2017</td>
<td>Water Safety Instructor*</td>
<td>25</td>
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<tr>
<td>PEAC 2018</td>
<td>Lifeguard Training*</td>
<td>25</td>
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<td>PEAC 2058</td>
<td>Downhill Skiing II*</td>
<td>20</td>
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<tr>
<td>PEAC 2072</td>
<td>Advanced Volleyball*</td>
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<tr>
<td>PEAC 2088</td>
<td>Rock Climbing II*</td>
<td>20</td>
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<tr>
<td>PEAC 2280</td>
<td>Fly Fishing II*</td>
<td>25</td>
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<tr>
<td>PSYC 2000</td>
<td>Research Psych Methods*</td>
<td>5</td>
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<tr>
<td>PSYC 2080</td>
<td>Psychobiology*</td>
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<tr>
<td>TECH 1550</td>
<td>General Metallurgy*</td>
<td>15</td>
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</table>
TECH 1600 Industrial Safety* 15
TECH 1680 Reading Technical Schematics* 15
WELD 1710 Oxyacetylene Welding 45
WELD 1715 Oxyacetylene Cutting 45
WELD 1755 Shielded Metal Arc Welding 67
WELD 1760 Adv. Shielded Metal Arc Weld 67
WELD 1770 Gas Metal Arc Welding 90
WELD 1774 GMAW - Pipe 112
WELD 1776 FluxCored Arc Welding 112
WELD 1780 Gas Tungsten Arc Welding 112
WELD 1840 Groove Welding Plate 112
WELD 1860 Welding Fabrication 80
WELD 1950 SMAW Stainless Steel Basic 112
WELD 1960 Submerged Arc Welding 67
WELD 2510 Pipe Welding I: Sch 40 Pipe 120
WELD 2520 Pipe Welding II: Sch 80 Pipe 135
WELD 2530 Downhill Pipe Welding 120
WELD 2540 Pipe Layout & Fabrication 90
WELD 2630 Welding for the Arts I 55
WELD 2635 Welding for the Arts II 55
WELD 2650 Gas Tungsten Arc - Pipe 135
WELD 2660 Stainless Steel Pipe Welding 135
WELD 2670 Welding Inspect. Tech 55
WELD 2810 Welding Testing Training 55

PEAC 1273 Afton 0
WELD Afton, Mountain View, Lyman 0

Other Charges
Access Card Replacement* 20
Adult Basic Education* 10
Auditing Classes (per semester hour) 92, 129, or 242
Campus Locker Fees
Large Locker* 5
Small Locker* 3
COMPASS (mailing, processing, retake) 10
Credit by Exam/Extra-Inst Credit NC
Directed Study Course fee 75/hr
Graduation Fee $15/degree or certificate
(cap & gown additional) ($45 max)
Green River Piano Usage 30
MUSC App Music Conc w/ App. lesson (1/2 of the cost) 5
Outdoor Equipment Rental Fee
Pottery, Non-credit (Initial Fee)* 48
Each additional lb. of clay (Paid in $10 increments) 80
Residence Hall Activity Fee* 5
Residence Hall Computer Fee* 7.50
Swimming Pool Fees
Semester Fees for Non-students
(including College Employees)
General Pass (individual) 40/semester
General pass (family) 70/semester
Per Session Admission 2.00
Punch Passes (10) 20.00
Students (show I.D.) Free
Transcripts Free
WELD Directed Study (in addition to 75) 44/hr
Wellness Center
Students 15/semester
Employees Free
Community Members 50/semester
Testing Fees
Contact the ACE IT or Student Development Center for costs of specific tests.

* non refundable

Distant Learning
Note for course fees: The general course fee is not assessed if the course is taught via internet, only the internet course fee is charged. Compressed video courses or courses with live labs may have additional course fees.

Internet Course* (excluding HMDV 1025) 35
Compressed Video Course* 18
Rental fees for Distance Ed Courses Microscope (BIOL) 110

Outreach Exceptions to Fees
ART 1150 Evanston* 25
ART 2410 Afton 0
BAS, All Courses Rawlins 0
CMAP Afton, Big Piney, Medicine Bow, Mountain View, Lyman, Encampment, Saratoga, Hanna, Elk Mountain 0
CMAP 1905 Mountain View 0
COSC 1200 Mountain View, Lyman, Saratoga 0
HLTK 1630 Afton* 7
HLTK 1650 Afton* 7
MUSC 2073 Afton* 10
MUSC Applied Courses, Afton 0
Western Undergraduate Exchange Program and WUE

WWCC participates in the WUE program along with 15 other Western states (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, and Washington). On a space-available basis students from these states may enroll at WWCC in any program for 1-1/2 times the in-state tuition rate. Eligible students should address questions to Registration Records.

Workforce Development

Workforce Development may be offered for credit or non-credit. All credit classes offered will be assessed a training fee in addition to the regular credit tuition rate. This fee will be allocated based upon the cost of the class. The cost includes instructor salary, mileage, materials, and other costs of offering the training. All non-credit courses will be assessed an administrative fee of up to 35% above the cost of estimated tuition and course costs.

Community Education

Community Education courses are offered for non-credit. Charges associated with an individual class, or event, are based upon the direct cost of offering the class or event plus an administrative fee of up to 35%.

Swimming Pool Fees

Semester Fees for Non-students (including College Employees)

- General Pass (individual) $40
- General pass (family) $70
- (1/2 price during Summer)

Per Session Admission for everyone $2.00

Guidelines for Waiving Course Fees for Outreach

Individual class fees may be waived for outreach courses where the fees are covered by another means (i.e., school district in-kind matching).

Procedure

1. The outreach coordinator must submit a request for a course fee waiver to Registration Records when a course creation is submitted. The request must be accompanied by documentation regarding why fees won't be charged (i.e., letter from school district saying they aren't charging for computer supplies).
2. The waiver request may be made as a one-time request or as a permanent exception.
3. Registration Records will submit the request to the VP for Student Learning for authorization.
4. Registration Records will notify the outreach office of approval or disapproval of the waiver.

Contact the Registrar for more information regarding the procedure or permanent exceptions.

Refunds

Credit Courses

A portion of tuition and fees will be refunded to any student who withdraws officially within the time specified below. The portion refundable depends upon the number of days all courses have been in session. Refunds do not go into effect until signed paperwork is turned into Registration & Records or appropriate off-campus administrative office.

Calendar Days from Date Semester-Long Courses Begin:

<table>
<thead>
<tr>
<th>Days</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>1 to 10 days</td>
<td>80%</td>
</tr>
<tr>
<td>11 to 20 days</td>
<td>60%</td>
</tr>
<tr>
<td>21 to 30 days</td>
<td>40%</td>
</tr>
<tr>
<td>31 days or more</td>
<td>0%</td>
</tr>
</tbody>
</table>

Note: For block courses, a comparable prorated schedule is applied. Flexible entry courses are nonrefundable after the last day to add the course if it were not flexible. Check with Registration & Records for actual percentages.

Non-Credit Courses

Generally, tuition and fees are not refundable for non-credit classes. Exceptions for extenuating circumstances may be made by the Registrar or appropriate Vice President.

Residency Classification

The following residency policy was developed under the auspices of the Wyoming Community College Commission and applies to all community colleges in Wyoming:

• A student previously classified as a nonresident may be reclassified any time prior to the end of the published refund period of any term in which he/she qualifies.
• A student who is classified as a resident by one community college will be considered a resident at all colleges.

Classification Procedures:

1. Residence classification shall be initiated 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. All students must respond to the residency question on the application for admission. Students wishing to request a review of the residency decision must submit documentation along with the “Initial Residency” decision or the “Change of Residency” form to the Registrar in Registration & Records.

2. Only individuals or their legal dependents who are U.S. citizens or are in an immigrant status and certain nonimmigrants may qualify for residency.

3. Nonimmigrants and their dependents, who possess a valid visa from the U.S. Citizenship and Immigration Services with a classification of Temporary Workers or Intrag company Transferee and eligible for education, may qualify for residency. Eligibility for consideration will be based on the privileges and limitations of the visa held by the applicant.
4. Students will be required to submit appropriate documentation to support the residency claim.

The following may be used by a student and would result in an individual being classified as a Wyoming resident for tuition purposes:

1. A graduate of a Wyoming high school or recipient of a GED in Wyoming who enrolls in a community college within twelve months of either high school graduation or GED completion;
2. An individual who can provide written verification that he/she has lived in Wyoming continuously for one year prior to enrolling;
3. A legal dependent under the age of 24, or a spouse of a resident of the State of Wyoming who qualified 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;
7. Members of the United States Armed Forces who move to Wyoming within 12 months from the date of honorable discharge from the service.
8. An individual who can provide written verification from an employer that he/she will be employed in Wyoming for an anticipated period of not less than seven months, and such employment is the principal means of support. This letter must be on company stationery, signed by the owner, manager or personnel department and must indicate the date the employee started, his/her status (full or part-time) and the expectation that the person will be employed at least seven months.
9. Persons temporarily absent from the state due to military services, attendance at educational institutions, or other types of documented temporary absences will not have their resident status void by such absence;
10. People who do not reside in Wyoming but who meet the following criteria will be considered resident students:
   a. Has been employed in Wyoming for at least seven months, and such employment is the principal means of support;
   b. Pays Wyoming taxes as required by law;
   c. Resides in a state with a similar law; and
   d. Is willing to submit an affidavit to the above.

Appeals and exceptions to the above policy should be addressed to the Registrar in Registration & Records.

Any questions or concerns about the residency policy should be addressed to the Vice-President of Student Success Services. Students wishing to appeal that office’s decision, may go through the Student Affairs Appeal process.

**Student Support**

**Learning Center**
The Learning Center’s primary goal is to provide high quality learning opportunities to all WWCC students. The Learning Center offers an alternative to the regular classroom with courses that are individualized to meet the student’s needs. Courses are offered at college-prep and college levels. With the assistance of instructors in their area of study, students can focus on the concepts they need to improve as they move ahead at their own pace. A wide range of courses and scheduling options are available.

**Non-Native Speakers**
English Language (EL) courses are offered for speakers of other languages from the literacy level through courses for international, degree-seeking students. Courses are offered in a scheduled classroom environment and as a self-paced study program. EL reading, grammar, vocabulary, writing, listening, and conversation courses are available.

**Developmental Studies/Basic Skills Credit Classes**
Basic skills classes are offered in reading, writing, grammar, spelling, vocabulary, and mathematics. These one-credit courses are offered in a self-paced format. Some of these courses are also available on Internet. In addition, preparatory classes and testing for the GED are offered.

Courses are also offered in the traditional classroom setting and are designed to help students improve their foundational skills in math, reading, and grammar. Non-native course offerings are designed for students whose first language is not English.

**GED Preparation/Adult Literacy**
Professional staff and trained volunteer tutors provide instruction in GED Preparation, Adult Basic Education, English language, citizenship and computer literacy in one-to-one, small group, and/or classroom settings. The program is open entry/open exit allowing students to move through at their own pace. Prospective GED students should schedule an appointment for pre-testing by calling 307-382-1829. Testing, tutoring, and customized instruction are offered by contractual arrangement to local businesses and agencies.

**Human Development**
These courses are offered at both college-prep and college levels. They are offered in either the classroom or in the Learning Center.

The two-credit College Studies (HMDV 1000) course is designed to provide students with the skills needed to become a master student. Topics covered in the course include study skills, learning styles, note taking, testing taking, and efficient use of library resources. Also explored in the course are topics that encourage personal awareness and growth such as personality assessments, career assessments, communication skills and diversity issues.

**Peer Tutor Center**
The Peer Tutor Center is certified through the College Reading and Learning Association (CRLA) as an internationally recognized program. Tutoring is free to all WWCC students and is available in a variety of course areas for students on a drop-in basis or by appointment. Students should stop by the Peer Tutor Center and pick up a schedule of services. The Peer Tutor Center also has academic assistance and specialized equipment available for students with special needs.

**ACE IT Center**
The ACE IT Center helps all students with Advising, Careers, Employment, Internships and Transfering.

**Career Guidance Services**
Career guidance is available through the ACE IT Center to assist persons in learning about themselves through assessments and individual career advising so that they can make the best possible academic choices about their future.

The career assessment measures interests, aptitudes, and values, and helps determine how they relate to specific careers. Results are then interpreted in terms of the student’s goals, life plans, and personal circumstances. Persons can also utilize the Career and Resource Library, which is equipped with books and videos on hundreds of occupations, as well as up-to-date information on labor market trends and training requirements.

**Career and Resource Library**
The Student Development Center maintains a library of resource materials related to many post-secondary training institutions. This
information can aid those students who are interested in transferring to a university or four-year college. The Career and Resource Library also provides information on labor market trends and training requirements.

**Job Placement Services**

WWCC provides full and part-time job referral services. Career Services and Job Placement, located in the ACE IT Center, offers a wide variety of employment and career services and assists students/graduates with locating full and part-time jobs. Career Services can help with portfolio development, electronic job searches, and online resume posting. Individual job placement files are established to assist students/graduates in gaining employment. Students who register gain access to many valuable career services, including individual job referral and information about specific job opportunities submitted by local and regional employers from business, industry, and government. Students can also go to collegecentral.com/wwcc for a complete list of jobs available.

**Test Proctoring Services**

Test proctoring for students in distance learning programs with colleges other than WWCC is available in the ACE IT Center for a small fee. Contact the ACE IT Center directly to set a test proctoring appointment.

The ACE IT Center maintains an extensive library of books, videotapes, and other resources on job search strategies, and labor market information. Printed, audiovisual, and computer-generated information about career options and opportunities as well as Internet access for electronic job searches are available in this office.

Professionals offer individual assistance in preparing resumes, writing cover letters and succeeding in the job interview. Career development courses and workshops on employment strategies are available.

**Internships**

The Internship Coordinator, located in the ACE IT Center, develops internship opportunities for eligible students. Internships provide part-time employment as well as meaningful, practical experience that relate to a student’s major. Students can experience real world examples of the theory learned in the classroom and earn money to assist with the cost of their education, strengthen practical knowledge and earn college credit.

**Student Development Center**

The major goal of the Student Development Center is to help WWCC students persist in their education. The SDC offers a wide range of services, on campus and online, to assist students in this endeavor.

**Counseling**

The Student Development Center offers confidential counseling and related services to students. Licensed professional counselors are available to help when students experience personal or academic problems. Services include: crisis counseling, personal counseling, and group counseling to help with problem solving and resource identification. Personal counseling can be utilized for various reasons, such as: adjustment to college, home sickness, depression, anxiety, and stress. If a student lacks abilities in managing time, decision making, successful test taking, or other life and study skill areas, trained counselors can assist. Students are welcome to drop in during the day or make arrangements for evening appointments if needed.

**Services for Students with Disabilities**

The Student Development Center will assist in obtaining appropriate services, on campus and refer to community resources. Students with documented disabilities may qualify for reasonable classroom and testing accommodations under the Americans with Disabilities Act through the Disability Support Services program in the SDC. A confidential, private appointment should be scheduled with the Disability Support Services Specialist by calling the Student Development Center at (307) 382-1806.

**Support Groups**

Support groups at WWCC recognize and address the concerns of various groups of students. The support groups are sponsored by the Student Development Center and serve to help students cope with college demands and challenges of everyday life by giving them the opportunity to talk with others who share their same concerns. WWCC support groups address specific, current concerns, and as such are formed on an as-needed basis.

**Workshops/Seminars**

The Student Development Center offers a variety of free, educational workshops and seminars designed to facilitate academic and personal growth and success. Workshop topics are chosen each semester to address the current needs and concerns of our students. Workshops are facilitated by WWCC faculty and staff as well as local community experts.

**Testing**

The Student Development Center is a national test site. As such, it provides area residents access to many national examinations. Some of the tests that are administered are Academic Workkeys, American College Test (ACT), Scholastic Aptitude Test (SAT), Graduate Record Exam Subject Tests (GRE), and the Test of English as a Foreign Language (TOEFL).

**Student Housing and Dining**

Western Wyoming Community College Housing consists of seven Residence Halls: Snowy Range, White Mt., Teton, Wind River, Rocky Mt. I, Rocky Mt. II, and Aspen Mt. Snowy Range, White Mt. and Teton Halls consist primarily of one and two bedroom apartments, with non-apartment suite units in the basement. Each building has a 72 person capacity. Wind River Hall has apartments with individual bedroom units (commonly called “Pods”) with a common living and kitchen space. Wind River Hall can accommodate 48 residents, making it the smallest residence hall by capacity. The Rocky Mt. Hall Complex consists of Rocky Mt. Hall I, II, Rocky Mt. I consists of Rocky Mt. Suite units and can accommodate 72 residents. Rocky Mt. Hall II has semi-private rooms with a capacity of 93. Aspen Mt. Hall is located close to the main campus and can accommodate 120 residents. The seven residence halls are all fully furnished, ADA accessible and are conveniently located on or near all college facilities. Total capacity is 552.

**The following options are presently available:**

1. Basement Suites (Double Occupancy) Snowy Range, White Mt. Teton Halls.
2. Rocky Mt. Suites (Double Occupancy) Rocky Mt. Hall I.
3. Rocky Mt. Semi-private units (Double Occupancy) Rocky Mt. Hall II
4. One Bedroom Apartments (Double Occupancy) Snowy Range, White Mt. and Teton Halls.
5. Two Bedroom Apartments (Four Person Units) Snowy Range, White Mt. and Teton Halls.
6. Private Bedroom Apartment Units (PBUs) Wind River Hall
7. Aspen Mt. Semi-private units (Double Occupancy) Aspen Mt. Hall

Students living in the on-campus housing are governed by rules, regulations and guidelines as expressed in the Residence Halls Handbook (part of this document by reference).

Western Wyoming Community College has organized its housing program to accomplish the following:
1. Administer housing services that are beneficial to the student’s academic, physical, emotional and social development.
2. Personalize the institution’s processes and agencies to assist students to expand their acquaintance and knowledge of other persons and groups.
3. Structure productive, secure and pleasant environments.
4. Disseminate knowledge and encourage growth in those areas of human development not included in the formal curriculum.
5. Provide via staff personnel, more mature role model behaviors that are consistent with the objectives of higher education in a democratic society.

The residence halls also have computer labs available and all residence hall rooms are Internet accessible.

Inquiries should be directed to the Residence Halls Office.

The College food service offers 5, 10, and 18 meal plan, as well as various “flex-bucks” options. Students residing in suite units and all on-campus freshmen are required to purchase at least a 10 meal plan. Other students may purchase meal plans or pay on a daily basis.

Children’s Center
The Western Wyoming Community College Children’s Center, located next to the gymnasium building, is a spacious, modern facility. The Center follows guidelines set forth by the Wyoming Department of Family Services. Childcare is available during the day to children of any parent taking classes at Western Wyoming Community College part-time or full-time, credit or non-credit. The Children’s Center operates according to the Academic Calendar and is available fall, spring and summer semesters. A small fee is charged for each child attending the Center, please contact the Director for more information.

Children using the Center must be age two through five to participate in our regular programming. The Children’s Center operates three classes according to age: “Bunnies,” “Bears,” and “Turtles”. Each class is staffed by qualified teachers and aides. Each parent is asked to fill out a registration packet. In addition, students must provide a copy of their schedule and an immunization record.

The Children’s Center utilizes the Creative Curriculum, a nationally recognized, research based program designed to meet the developmental needs of young children. In addition to serving the parents of young children, the Children’s Center provides observation and field experiences for a variety of disciplines on campus including nursing, education, and psychology.

Student Insurance
The College provides a limited accidental injury policy which automatically covers all students carrying 12 or more credit hours during the Fall and Spring semesters. The coverage commences with the Fall or Spring semester or the date the student’s tuition is paid, whichever is later. Coverage is in effect 24 hours a day and insures students at home, at school and while traveling. Coverage also includes interim vacation periods (except summers and in between semesters). Maximum benefit per incident is $1500.00 and is secondary to any other policies held on the student.

Optional medical insurance is available. Contact the VP for Student Success office for costs and sign up process.

Bookstore
The College Bookstore’s goal is to serve the educational institution of which it is a part. The desire is to operate as a service to the students and faculty with the purpose of providing the required tools of education. The philosophy is to operate the Bookstore as efficiently as possible, placing an emphasis on service.

The Bookstore is owned and maintained by Western Wyoming Community College, and is located in the central area near the Whisenand Student Center. Bookstore hours are from 7:50 a.m. to 7:30 p.m. on Mondays and 7:50 a.m. – 5:00 p.m., Tuesday through Friday. During the first week of each semester, the Bookstore is open in the evenings Monday through Thursday.

Order or reserve textbooks online at wwccbookstore.com. Textbooks can be reserved online four weeks prior to the beginning of the course. The website has additional details.

The Bookstore is supplied with book orders prior to every semester by each instructor. Instructors are given the freedom of choice as to what textbooks they wish to use for their own classes. These textbooks are placed on shelves within the store by class and instructor’s name. Often one section of a course will require a different text from another section. Students should check their schedule when buying books or even attend class once before purchase, so that they purchase the correct books.

Should a book need to be returned, the student must have the WWCC Bookstore receipt and the book must be absolutely clean and in resalable condition (i.e., no marks, no name) to obtain a full refund prior to the posted deadline.

New book prices are established by the publisher. The Bookstore will make every effort to have used textbooks available. The Bookstore also has several titles available for rent each semester.

The Bookstore offers the service of buying used books from students during finals week. Posters will be placed throughout the campus informing students of the actual date of the buyback.

The Bookstore has a fairly good supply of general reading material, as well as study guides and reference books. Any book not in stock can be special ordered. Supplies are also an integral part of the WWCC bookstore. Basic school supplies are kept in stock, as well as art and drafting supplies. Instructors are encouraged to inform the bookstore staff of special supplies that students may need, so that the Bookstore can make certain the items are available for purchase.

Hay Library
The Library maintains and develops collections of information sources for the use of students, faculty and staff, and community members. These collections include over 60,000 books, about 175 current print periodical subscriptions with extensive holdings of
past issues, more than 3,000 audiovisual items, and many on-line databases and resources, including e-books.

The Library was designated as a selective federal depository in 1969 to serve the government information needs of the citizens of Wyoming. The depository collection contains over 50,000 publications.

WYLDCAT (Wyoming Libraries Database Catalog on the Web) offers bibliographic access to all materials in all Wyoming libraries, with the exception of the University of Wyoming. The Library staff provides research assistance and library use instruction. Hay Library participates in state and national interlibrary loan networks for obtaining books and other items not available locally.

All residents of Wyoming may check out library materials.

There are various areas for reading and studying in the library. Three group study rooms contain televisions and videocassette or DVD players. A photocopy and fax machine are available.

The Library sponsors author readings and other scholarly and cultural events every semester.

**Library Hours:**
- Monday-Thursday: 7:30 a.m. - 11:00 p.m.
- Friday: 7:30 a.m. - 5:00 p.m.
- Saturday: 1:00 p.m. - 5:00 p.m.
- Sunday: 5:00 p.m. - 10:00 p.m.

Hours vary during the summer, semester breaks and holidays. Additional weekend hours are added during finals. Hay Library is always available virtually at: http://www wwcc wy.edu/library

**Instructional Media Center**
This department provides faculty and students with traditional audio/visual support in the classroom. In addition, the department assists faculty with the high-tech delivery of courses to remote Outreach sites.

**Student IDs may also be obtained from this department.** All full- and part-time students are eligible for a student ID at no charge. The student ID card provides student access and discounts throughout the college community.

**Student Organizations and Activities**
Every credit student is a member of the Associated Students with the right to participate in student organizations, compete in intramural athletics, gain free admission to athletic events sponsored by the college and participate in certain social and cultural activities in the community.

The governing body of the Associated Students is the Associated Student Government, composed of twenty-two elected officers - president, vice-president, secretary, treasurer, and eighteen senators. Representatives of Student Government sit on many College-wide committees.

The College believes that the student must be actively involved in the operation of the institution, if his or her education is to be complete. It is the responsibility of the Student Government to promote activities which stimulate the intellectual, physical and social life of the campus. Traditionally, Student Government sponsors College dances and social events as well as lectures and other entertainment. Efforts have been made to expand the educational, cultural and civic involvement of the Associated Students in the total life of the campus, thus involving the student leader and his or her constituency in the decision-making process related to pertinent issues of the College and the contemporary world.

**Athletics**
The College competes in Division I NJCAA intercollegiate men’s and women’s basketball, men’s wrestling, men’s and women’s soccer, and women’s volleyball. Western Wyoming Community College is a member of the Wyoming Community College Athletic Conference which consists of Wyoming’s seven community colleges. A number of athletic grants for both men and women are available. The College is a member of the National Junior College Athletic Association.

**Western Alumni**
Western Wyoming Community College celebrated its 50th anniversary in 2009. Graduates of degree and certificate programs and former students who have completed at least one credit are Western alumni. The Community Relations Office is located on the Rock Springs Campus and serves as an information center for current and former students, their families and friends of the College.

**Lifelong Learning**
Western Wyoming Community College is dedicated to providing lifelong education for a diverse and changing society. In fulfilling this mission, the College is committed to providing workforce training, professional/continuing education, and community education. Learning resources are shared with all students as they seek and meet the challenges of careers, new technologies, personal life transitions, and personal growth. Activities and classes vary in length and provide students the opportunity to improve professional, technical, business, and interpersonal skills.

**Professional/Continuing Education:** Professional and continuing education classes and activities provide job skills necessary to remain in or advance in the workforce. These include a variety of classes, customized contract training, testing, workshops, conferences, seminars, and on-line classes. CEUs (Continuing Education Units) or college credit may be awarded upon successful coursework completion.

**Workforce Training:** Workforce Training classes and activities provide job skills necessary to quickly enter specific sectors of the workforce. Many of these classes and activities award CEUs and may provide eligibility to earn credit through certificate or degree programs.

**Community Education:** Community Education classes and activities provide personal growth opportunities for community members of all ages. These include a variety of classes, seminars, lecture series, forum series, cultural activities, and community development activities.

**Facility Use**
Western Wyoming Community College tries to make its facilities available to the public for meetings and events. The instructional programs of the College must, of course, take precedence. Interested persons can contact Registration Records or the Green River Center. Fees may be assessed for custodial, security and facilities use.
ACADEMIC POLICIES

General Academic Policies

Academic Honors

There are four types of academic honors at Western Wyoming Community College:

1. **Honor Rolls** — Full-time students who complete twelve credit hours during a semester with letter grades and who achieve required grade point averages are eligible for the President’s and Dean’s honor rolls. Part-time degree seeking students who have completed a minimum of twelve credit hours with a 3.50 minimum cum GPA are eligible for the Part-Time Student Honor Roll each subsequent semester in which they achieve the minimum requirements.
   a. **President’s Honor Roll** — Full-time students who complete a minimum of twelve credit hours with a letter grade with a grade point average of 4.00 (A).
   b. **Dean’s Honor Roll** — Full-time students who complete a minimum of twelve credit hours with a letter grade with a grade point average between 3.25 and 3.99.
   c. **Part-Time Student Honor Roll** — Part-time students who have completed a minimum of twelve credit hours in consecutive semesters with a cum GPA of 3.50 and who complete six to eleven credit hours during the current semester with a grade point average of 3.50 or higher.

2. **Phi Theta Kappa** — Degree seeking students who complete a minimum of twelve credit hours from WWCC with a minimum cumulative grade point average of 3.80 are eligible for membership. Students must follow established Phi Theta Kappa guidelines in order to join the organization. Once a student is a member, a 3.25 semester GPA must be maintained in order to remain a member.

3. **Honor’s Program** — Students who are accepted and remain in the Honor’s Program and who complete at least four honors courses including the Introduction to Humanities Seminar with a 3.25 or better grade point average will be recognized at graduation as an Honor’s Program graduate.

4. **Graduates of Distinction** — Students who maintain a minimum 3.80 grade point average in all coursework (including transfer work) applicable to their WWCC degree will be acknowledged as graduating “with distinction” and may wear the honor cord at the graduation ceremony. To receive this status, the graduate must complete at least half of his/her applicable graduation coursework from WWCC.

Academic Standing

Generally, a student is considered to be in satisfactory academic standing if he/she is making satisfactory grades (2.00 or higher grade point average). However, students should be aware that certain WWCC programs have higher minimum grade point average requirements and the student must maintain those levels in order to remain in any such program. Graduation course grade requirements may also vary for individual programs.

Academic standing will appear on a student’s transcript.

The purpose of the academic alert, probation and suspension status is to alert the student to a lack of academic progress and to make every effort to help the student gain the tools necessary to succeed.

1. **Satisfactory Standing** — Students who achieve a minimum grade point average of 2.00 each semester are considered to be in satisfactory academic standing.

2. **Academic Alert** — The student placed on academic alert status is 1) contacted and asked to meet with the Advising Coordinator or his/her designee; and 2) advised to take specific courses, limit credit load and follow other restrictions as appropriate. If the student has completed early registration but is placed on Academic Alert status for the semester for which he/she is preregistered, then the student may be required to drop/add.
   a. Full-time students who have not achieved or do not maintain satisfactory progress as defined below will be placed on Academic Alert.
      • Entering students with less than a 2.00 (C grade) high school grade point average or less than a 2.00 cumulative grade point average from a transfer institution(s).
      • Entering students who are admitted conditionally because they have not yet attained a regular high school diploma or high school equivalency or who have below college entry-level scores on all COMPASS tests.
      • Continuing WWCC students who have completed their most recent semester with less than a 2.00 grade point average.
   b. Part-time students who have received letter grades in at least twelve hours with a cumulative grade point average of less than 2.00 will be placed on Academic Alert.

3. **Academic Probation** — Those students who are on Academic Alert status and who do not achieve a minimum 2.00 grade point average will move into Academic Probation status. These students are not allowed to register for subsequent semester classes until meeting with the Advising Coordinator and receiving authorization to register. All probationary students will be required in the subsequent semester to maintain a performance contract until they are once again in good standing.

4. **Academic Suspension** — A student who is on academic probation and who achieves less than the minimum 2.00 grade point average will be placed on Academic Suspension. This student will not be allowed to register for WWCC classes at any location until:
   Students who return to WWCC after the suspension is lifted will reenter on probation status.
   a. The student completes at least 12 semester hours of credit and achieves a 2.00 grade point average from another institution, or
   b. The student does not attend WWCC for at least one semester.

5. **Appeals** — Students who wish to appeal their suspension based on extenuating circumstances may do so through the Registrar in Registration Records. For example, the Registrar may allow students to return to take developmental coursework. Students not satisfied with that officer’s ruling may appeal to the Vice-President of Student Success Services.
Academic Forgiveness
A student returning to Western Wyoming Community College after a minimum five year absence and after completing two full-time semesters, or the equivalent (24 credit hours), with a minimum 2.00 cumulative grade point average may request to have an entire block (at least one full semester) of courses removed from the calculation of grade point average and degree credit. This is a one time option. All classes remain on the student’s permanent transcript but are removed from grade point average and credit calculations.

Attending Class
Class attendance is important for successful achievement in college. Therefore, students are expected to attend all class sessions for each course in which they are enrolled and to make up any work they miss during excused absences. If a student misses too many classes (as defined in the instructor’s attendance policy), an instructor may drop that student from the course during the drop period. Students are responsible for all course requirements from the start of the course, not from the time at which they added a course to their schedule. Students who need their attendance record kept for any reason should notify the instructor.

Furthermore, each instructor should establish an attendance policy for each course and publish it in the course syllabus. Instructors shall take into account the deadlines for adding and dropping courses and write a policy statement consistent with the College’s drop/add policy.

Missing Class Because of an Emergency
Enrolled students who find it necessary to be away from college during any semester (because of illness, a death in the family or other emergency reason) should notify Registration Records. This office will notify instructors of the reason and the expected time period involved. Students are responsible for missed work and, if the leave is too long, instructors may recommend that the student withdraw.

Cheating and Plagiarism
It is assumed that all Western Wyoming Community College students understand the terms ‘cheating’ and ‘plagiarism’. At the discretion of the instructor involved, the discipline for cheating and plagiarism in any course may range from ‘F’ for the assignment to dismissal from the course with a grade of ‘F’.

Because of the nature of certain specialized programs (i.e., health science students deal with the safety and well-being of hospital patients), cheating and plagiarism may result in not only an ‘F’ in the course, but immediate dismissal from the program. Specific procedures are addressed in the handbook of each of these specialized areas.

Students who feel they have been unfairly dismissed by an instructor may appeal the decision through the College’s due process procedures.

Class Standing
Class standing is determined by the number of semester hours completed. A freshman has completed 31 or fewer semester hours of credit. A sophomore has 32 or more semester hours of credit completed.

Course Loads
Students at Western Wyoming Community College may enroll as either full-time or part-time students. For fee purposes, a full-time student takes twelve semester hours or more and a part-time student takes eleven or fewer semester hours. Any student who attempts more than 18 hours must obtain the signature of his/her faculty advisor and the Registrar in Registration Records or the VP for Student Success Services at the time of registration. No student may enroll for more than 22 hours without petitioning for approval from his/her faculty advisor, the Registrar, VP for Student Success Services, or the VP for Student Learning.

Overload fees are charged for over 21 hours.

A credit hour equates to one contact hour per week in lecture classes and two contact hours per week in laboratory-skill classes. Each student should plan to spend at least two hours of study on his/her own for each contact hour of classroom training. Course loads should be planned accordingly, as should work schedules.

Courses

Adding Courses
During the first three class days of the semester students may add full semester courses. Short courses have adjusted add dates. Refer to the calendar in this catalog for the exact date of the last day that courses may be added. Add courses by using Mustang WebAdvisor or obtain a course add form from Registration Records.

Learning Center, Internship, Work Experience, and flexible entry courses may be added until the deadline each semester, usually two weeks after midterm of the course.

Auditing Courses (Taking a Credit Course for No Credit)
A student may audit any WWCC course. However, a student receives neither credit nor grade for the course. After the first three days of class, a student taking a course for audit may not change the registration to credit, and a student taking a course for credit may not change the registration to audit. The cost for auditing a course is the same as taking a course for credit.

Course Prerequisites
Students should be aware of course prerequisites prior to registration. Prerequisites are listed with the course descriptions and in the Schedule of Classes. Students may not receive credit for courses which are prerequisites to courses they have already completed. To fulfill the prerequisite for math and English courses a grade of C or better must be earned.

Dropping Courses
During the add period, students may drop individual courses by using Mustang WebAdvisor or by coming to Registration Records. No signatures are necessary and the course will not appear on the student’s permanent record. No grade is assigned.

Following the designated add period, students may withdraw from a regular full semester course until 10 school days after mid-semester. They may withdraw from “blocked” courses until 5 course days after the middle of the course for 12 and 8-week courses and 2 days after the middle of the course for 5-week courses. A grade of “W” will be assigned for a withdrawal and does appear on the student’s permanent record.

Following the drop deadline, a student may not withdraw from courses except in very unusual circumstances that involve severe medical, emotional or personal problems. Emergency withdrawals are for all, not selected, courses. Students must request in writing this type of withdrawal. In the case of a medical reason, a doctor’s excuse is necessary. All requests will require documentation. Such instances will require approval of the Registrar in Registration Records and the concerned instructor. No withdrawals will be permitted during the final week of the semester or after a semester is over. Although the following procedure may be initiated by
Students who wish to drop courses should:

1. Obtain one of two forms from Registration & Records:
   a. A drop form for students who are dropping one or more of the courses for which they are registered.
   b. A withdrawal form for students who are dropping all of the courses for which they are registered (or the only course for which they are registered).

2. Follow the instructions on the form. Return the form to Registration & Records or appropriate off-site office before the drop is official.

3. Mustang WebAdvisor may be used, in lieu of forms, if the student is not dropping all courses. Complete withdrawals must be made through Registration & Records or an Outreach Office.

Military Call-Up
Western Wyoming Community College, in recognition of its responsibilities to its students who are National Guard members or reservists in the U.S. Armed Forces, will adhere to appropriate national and state statutes, which pertain to the mobilization of these citizen soldiers. It is the intention of WWCC that reasonable efforts be made to accommodate students so as to minimize the disruption of their education while fulfilling their military obligations. When a student is placed on an emergency mobilization status, and/or when a mobilization is anticipated to exceed 15 calendar days, the student or his/her designee, must present an official copy of his/her activation orders to the Registrar as soon as possible after receipt of the orders. The college will provide accommodations that are more liberal and individualized than normal operating policies including consideration of full tuition refunds, withdrawal after established deadlines and release from financial aid penalties.

Withdrawing From All Courses
Students who find it necessary to totally withdraw from college must realize that the responsibility for withdrawing from courses lies with the student.

Deadlines and procedures are the same as those listed above for dropping individual classes. Students must pick up the withdrawal form, obtain all appropriate signatures, and return the form to Registration & Records or appropriate Outreach office. Complete withdrawals cannot be done through Mustang WebAdvisor. No withdrawals will be permitted during the final week of the semester or after a semester is over.

Emergency withdrawal procedures after the drop deadline are also the same as those for dropping individual classes. In the case of a severe emergency when the student cannot come to the campus to withdraw, he/she should call the Registrar in Registration & Records and make arrangements for approval of the withdrawal.

Students failing to follow appropriate withdrawal procedures, will receive “F” grades on their permanent transcript.

Students are responsible for all financial obligations to the institution. Official records will be held if the student withdraws with outstanding debts.

Final Examinations
Final examination dates are listed on the annual Academic Calender (see inside front cover) and on the WWCC web page. A student who fails to take a final examination may receive an “F” for that course unless previous arrangements have been made with the instructor. As a matter of college policy, no student may take an early final examination.

Students who have more than two exams scheduled in one day may reschedule additional exams by working with the instructors in question.

Grades

Grading System
Grades at Western Wyoming Community College are evaluated according to letters, and computed according to points.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Very Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Acceptable</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Barely Passing</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td></td>
</tr>
</tbody>
</table>

Students may not receive credit for courses which are prerequisite to courses they have already completed.

Incompletes
The grade of “I” (Incomplete) may be given after the mid-point of the course when unexpected circumstances, such as illness or military service, make it impossible for a student who is passing the course with a “C” or better to complete the remaining work by the end of the semester. The purpose of an Incomplete, therefore, is not to repeat the entire course but to complete no more than 50% of the work.

• It is the student’s responsibility to initiate this process, but an Incomplete is assigned solely at the instructor’s discretion.

• Student must be passing the course with a “C” or better at the mid-point of the course.

• Incomplete coursework must be completed by the end of the following semester. Instructor can renew an Incomplete for an additional semester at his/her discretion. The student, however, must initiate the request for an extension before the deadline.

• If the work is not satisfactorily completed by the designated deadline, the “I” will revert to the grade of “F.”

• Incompletes must be completed with the instructor who issued the original grade.

With the following exceptions: If the instructor no longer teaches at WWCC, the division chair shall assign an instructor from the department area, from which the course was offered, to complete the incomplete process.

S/U Grades
All Western Wyoming Community College courses have been approved for “S/U” grading. The student may opt to take any course for “S/U” by simply telling the instructor of their choice. The instructor will explain the requirements for satisfactory completion of the course.
“S/U” grades may not be applied toward graduation at WWCC except when prior approval has been obtained through curriculum committee to use the course. The option is available only for those who are taking a course for general enrichment or brush-up. It is not intended to be a part of a degree program. Students should also be aware the “S/U” grades generally do not transfer.

“S/U” grades are assigned for credit by exam, CLEP, extra-institutional credit, and military P.E. credit. These courses may still be used to meet graduation requirements. The college reserves the right to allow “S/U” grading only in selected courses. “S” grades are equal to a “C” grade or better in any particular course.

Grade Point Average
The grade point average serves as one means of indicating the student’s level of scholarship and is used to determine class standing eligibility for intercollegiate athletic competition, and honors. The grade point average is computed as follows:

<table>
<thead>
<tr>
<th>Semester Hours</th>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3 A (3x4)</td>
<td>12</td>
</tr>
<tr>
<td>Political Science</td>
<td>3 B (3x3)</td>
<td>9</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3 C (3x2)</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>3 A (3x4)</td>
<td>12</td>
</tr>
<tr>
<td>College Studies</td>
<td>2 A (2x4)</td>
<td>8</td>
</tr>
</tbody>
</table>

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Western Wyoming Community College currently computes all course offerings in terms of the semester credit hours. One semester credit hour usually comprises one lecture hour of class time per week (16-18 weeks per semester) and requires about two hours of student preparation per week. For students transferring from a college on the quarter credit hour system, take two-thirds (2/3) of the number of quarter hours earned to figure the equivalent number of semester hours. Transfer work is not computed into a student’s grade point average at WWCC.

Change of Grades
Grades may be changed for the following reasons:

1. If a mistake has been made in the computing or recording of a grade for any student, that student should ask his/her instructor to submit to the Vice-President of Student Learning a completed change of grade form. With the V.P.’s approval, the student’s record will then be corrected by Registration Records. Only one subsequent semester is allowed for grade changes. After that time, the grade stands as original-ly given. Under no circumstances will changes be made after the close of the following semester.

2. Students may repeat courses to raise their grades. All previous attempts remain on the student’s record, but only the grade earned in the last attempt is used to compute the grade point average except when a grade “W” is assigned in the last attempt. Students may repeat a given course as many times as they wish with only the final attempt used in computing the GPA. Note: Students only receive financial aid for the first repeat.

Grade Reports
Mid-semester grades can be viewed on Mustang WebAdvisor. Mid-semester grade reports are mailed to students who have “D” or “F” grades. Mid-semester grades are not posted on the student’s permanent academic record. The purpose of these reports is to communicate progress with the student and the faculty advisor.

Semester grades may be checked by the student on Mustang WebAdvisor at www.wwcc.wy.edu. Semester grades are mailed only to students on academic alert, probation or suspension unless otherwise requested. Students requesting hard copies may contact Registration & Records.

Scheduling

Curriculum
Following the suggested programs as listed will guarantee that degree and certificate requirements have been met. Because fiscal and staff limitations obviously prohibit this College from offering every course listed in this catalog every semester, students should plan to enroll in the courses outlined in the suggested programs. Courses with enrollments under eight students may be cancelled for fiscal and quality of instruction reasons. Decisions about cancelled courses will be made by the end of the first week of classes whenever possible. If a student is concerned about whether a course will be cancelled, he/she should contact Registration Records. Be aware that certain courses are generally offered only in the fall or only in the spring.

Shift Workers
The College has a variety of methods to accommodate shiftworkers’ schedule. Internet courses, technical courses that meet multiple times in the same day, and open-entry welding or computer courses are particularly appropriate.

In addition, many regularly scheduled courses can accommodate a changing schedule, but the student should check with the instructor. Many instructors post their assignments online and have students submit homework online or via e-mail. Also, a number of instructors record their classes and post these podcasts online. These technologies help a shiftworker/student stay up with a course when they cannot attend. Overall, the shiftworker/student is responsible for coming to class when their work schedule permits and for keeping up with the course and its deadlines.

Standards of Student Conduct
The College requires its students to conform to federal, state and local laws, as well as regulations set forth by the Western Wyoming Community College Board of Trustees. The College has regulations concerning a student’s individual conduct at the College, with other students and with College property. The regulations are to insure proper and responsible conduct for the benefit and safety of all. See College Policies and Procedures on Western’s web site, for details on the Standards of Conduct.

Appropriate Student Behavior in the Learning Environment
One of the College’s goals is to See Issues from Multiple Perspectives. Therefore, part of a course may involve hearing and reading perspectives different from one’s own. Everyone in class has a right to learn and express his/her views in a comfortable environment. Students are expected to be considerate of others’ rights to hear, express their ideas and participate in the class. College policy 5420A states that “the College can immediately suspend or dismiss a student for disciplinary reasons if the college considers the student’s actions detrimental to its educational purposes.”

Students who have concerns about behavior in and out of the classroom should contact the Vice President for Student Success Services.
Use of Drugs and Alcohol
The College prohibits the possession, manufacture, use or distribution of alcoholic beverages and/or illicit drugs on its property or as a part of any student activity supervised or sponsored by the College.

The College sponsors drug and alcohol awareness programs for students and the community and offers counseling and referral for students with dependency problems.

Student’s Right of Due Process
The College assures students the right to due process. Students have a right to an appeal hearing when they are suspended or dismissed from the College, they cannot resolve an academic grievance with a teacher, they are evicted from housing, or when some other disciplinary action is taken.

Student Complaint Process
Western Wyoming Community College has a well-developed complaint process for both student academic (grade) and student behavior issues. The process applies to students regardless of where they are attending WWCC, including all distance and online students. All students concerns are handled through an internal process overseen by the appropriate Vice President: Academic Complaints (VP for Student Learning); Student Complaints (VP for Student Success Services)

Academic Complaints
Students who have issues with instructors, course grades, or other issues related to the course requirements, may pursue a complaint process through Policy #5430B. A copy of the full policy can be found on the college website www.wwcc.wy.edu under Current Students, Student Policies and Procedures. The policy and procedure provides for a step-by-step process for addressing concerns. A full copy of the process can also be found in the Student Handbook, hardcopy or online.

Non-Academic and Behavioral Complaints
Students who have issues with classroom behavior (their own or other students) or other issues related to interaction with support offices and faculty and staff, may pursue a complaint process through Policy#5430C. A copy of the full policy can be found on the college website www.wwcc.wy.edu under Current Students, Student Policies and Procedures. The policy and procedure provides for a step-by-step process for addressing concerns. A full copy of the process can also be found in the Student Handbook, hardcopy or online.

A copy of this information will be sent to students annually through Mustang Cruiser as a reminder about the process they need to follow in the event of a concern.

Academic Grievance
(Complaints About Areas of Instruction)
The College has a grievance procedure available to hear students’ academic complaints. The procedure seeks to insure that a student’s complaint is heard promptly, equitably, and informally.

Hopefully the conflict can be resolved in the initial steps of the process when the student discusses the matter with the instructor, the division chairperson, and the Vice-President of Student Learning. However, if the grievance is not resolved after these meetings, the student may present the case to an Academic Grievance Committee.

The student must submit a written statement of the complaint to the Division Chair or Student Learning Vice-President no later than 45 calendar days after the end of the semester in which the grievance occurred. Students may not pursue grievances after this time limit.

Non-Academic Grievance
(Complaints About Unfair Treatment)
The College has a grievance procedure available to hear student complaints about unfair treatment, including suspension and dismissal from the College. This nonacademic grievance procedure seeks to ensure that students are treated fairly with due process.

Due process ensures the student that the College is not arbitrary in its actions. In all cases, due process requires that students know the charges against them, have the opportunity to refute these charges, and have the right to appeal. Once confronted with the charges and the college’s decision, students may appeal this decision to the Student Affairs Appeals Board. This board serves to safeguard these rights and also strives to fairly and reasonably interpret various College policies relating to student conduct.

The entire policy may be found in the student handbook on the College website www.wwcc.wy.edu, or by contacting the Vice President for Student Success Services.

Computer Use
Western Wyoming Community College believes that computers are an important part of today’s educational environment and provides access for students and community members to the college computers and networks. Access is a privilege, and requires that individual users act responsibly. Use of Western Wyoming Community College computers and access may be monitored by college staff.

Appropriate Use
WWCC takes a fairly broad approach to access to computers and networks. However, users should keep in mind that college-owned computers are for educational purposes. Use of computers for online chatting, accessing material that does not support the educational function or infringes upon the rights of other users, and game playing, is monitored and may be prohibited. Illegal downloading of music, video or software is prohibited. The Computer Use General Administrative Regulations can be found in its entirety at www.wwcc.wy.edu.

Transcripts
Official transcripts of the student’s entire academic record at Western Wyoming Community College may be obtained from Registration & Records. Transcripts are issued free of charge.

No transcript will be released unless: 1) the student has given written permission for the release of said transcript; or 2) the student has called, faxed, or emailed, and requested that the transcript be sent (adequate identification will be re-quired). If a student is encumbered to the institution, transcripts will be withheld until full payment is made.

Transcripts should generally be sent directly to other colleges or universities, job sites, etc. Official transcripts can be given directly to the student and are marked Issued To Student. Students will be issued unofficial transcripts for their own use.

One week notice is required on all transcript requests. Emergency cases will be considered on an individual basis by Registration & Records.
GRADUATION, DEGREES, AND GENERAL EDUCATION

Graduation Information

Application for Graduation
All candidates for graduation must file a Graduation Application with Registration & Records. The purpose of this procedure is to allow this office to check whether the student has satisfied all College requirements for graduation.

Graduation (Completion)        Application Deadline
Fall (December)                 November 11
Spring (May)                    March 1
Summer (July)                   May 1

Degrees and Certificates Offered
The following degrees and certificates are offered at WWCC:

Associate of Arts: This degree is primarily for students majoring in the humanities, arts, and social sciences and who plan to transfer to a four-year, or professional, school.

Associate of Fine Arts: This degree is for students majoring in art, musical theatre, or technical theatre, who plan to transfer to a four-year, or professional, school.

Associate of Nursing: This degree is for students completing the nursing program. See the Health Science section for specific requirements.

Associate of Science: This degree is primarily for students majoring in math, science, engineering, or business and who plan to transfer to a four-year, or professional, school.

Associate of Applied Science: This degree is primarily for students majoring in occupational fields who do not plan to transfer following completion of the AAS Degree.

Certificates of Completion: These certificates are given in various areas and require completion of a defined group of courses.

To graduate, students must complete all requirements of their degree or certificate program. Students may opt to graduate under the current catalog requirements or under those of the catalog in place the year they began attending Western Wyoming Community College as long as there has been continuous attendance. Exceptions must be approved by the Registrar in Registration & Records.

General Requirements for All Degrees or Certificates
Students must complete the following general requirements before the College will grant a degree or certificate.

The student must have:

• A cumulative grade point average of 2.00 (a "C" average) or better in all hours attempted at Western Wyoming Community College;
• At least 14 credit hours must be completed through Western Wyoming Community College;
• Generally no courses taken from WWCC for "S/U" grades may be used for graduation hours (does not include credit by exam, extra-institutional credit, or military credit, or approved S/U courses);
• Students may not receive credit for courses which are prerequisite to courses they have already completed;
• A maximum of six hours of studies or workshops (2490, 2495, 2990 or 2995) coursework may be applied towards an Associate Degree;
• A maximum of four hours of internship for AA, AS degrees and six hours for AAS degrees allowed credit for graduation.

Graduation Assessment Requirement
All students graduating with a degree from WWCC must complete the Assessment Requirement for Graduation. This evidence of student learning provides data that allows Western Wyoming Community College to maintain accreditation. Graduating students must complete any one of the following options:

Assessment Requirement (0 credit options)
• Enroll in HMDV 2411 NT to complete the requirement online through MyFolio.
• Enroll in HMDV 2411 to complete the requirement through Assessment Day on the Rock Springs campus.

Assessment Portfolio/Capstone (1-2 credit options)
• Enroll in HMDV 2410 to publish MyFolio for the purpose of job search or transfer.
• Enroll in an assessment-approved department specific capstone course, using MyFolio.

Candidates for Certificates
Candidates for certificate programs must complete all courses listed under the program description for that certificate before the certificate will be awarded.

The Graduation Ceremony
WWCC holds a graduation ceremony, called Commencement, on campus each year in May.

• Attendance at the graduation ceremony is required whether a student completes requirements in Summer, Fall, or Spring. Students with conflicts may simply write a letter, explaining the conflict, to be excused.
• Students pay a per diploma/certificate fee and the direct cost of caps and gowns. Students will be notified of the cost. Students who are excused from attendance or do not complete graduation requirements will still owe the cost of the diploma, cap and gown.
**Associate of Arts Degree Requirements**

Every student must complete a minimum of 64 semester hours of credit. Of these 64, 25-28 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

**General Education Requirements:**

- **English (ENGL 1010 & 1020, 1111, or 2010)** 6 credits
  Students must achieve a "C" or better grade in each course.
- **United States Government** 3 credits
  Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, HIST 1251, or ECON 1200. State law requires students to successfully complete a course in the United States and Wyoming Constitutions. Students must achieve a "C" or better grade.
- **Social Science** 6 credits
  Students must complete at least one course in the humanities grouping and one in the applied arts grouping. Students should be aware that many four-year institutions require two to four semesters of a foreign language.
- **Health & Human Activity** 2 credits
  Students may select courses from activity courses (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.
- **Science and Mathematics** 7-9 credits
  One course must be a laboratory science from the biology, geology, chemistry, or physics areas. One course must be a college-level (1000+) math course. Students must achieve a "C" or better grade in the Math course.
- **Computer Course** 3 credits
  This course may be chosen from programming or applications courses only.
  Eligible courses: CMAP 1705, 1750, 1800, 1905, COSC 1010, 1200, ES 1060, IMGT 2400, ITEC 2360
- **Assessment** 0-1 credits
  Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific Capstone course, Assessment Portfolio (HMDV 2410), the online MyFolio, or by attending the designated Assessment Day (both transcripts as HMDV 2411).

**Total General Ed. Requirements** 36-39 credits

**Major Area Coursework Electives** 25-28 credits

**Total Hours Required** 64 credits minimum

- The cumulative Western Wyoming Community College grade point average must be a 2.00 or better in order to graduate.
- Generally no courses taken from WWCC for "S/U" grades may be used as hours for graduation, except CLEP credit by exam, military credit, and approved graduation S/U courses.
- No coursework numbered less than 1000 will be applicable to the Associate of Arts Degree (example: ENGL 0950).
- A maximum of six hours of studies or workshops (2490, 2495, 2990, or 2995) coursework may be applied toward the Associate of Arts Degree (example: HIST 2490).
- A maximum of four hours of internship allowable toward graduation.
- At least 14 hours of coursework must be completed through Western Wyoming Community College.

**Associate of Science Degree Requirements**

Every student must complete a minimum of 64 semester hours of credit. Of these 64, 26-27 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

**General Education Requirements:**

- **English (ENGL 1010 & 1020, 1111, or 2010)** 6 credits
  Students must achieve a "C" or better grade in each course.
- **United States Government** 3 credits
  Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, HIST 1251, or ECON 1200. State law requires students to successfully complete a course in the United States and Wyoming Constitutions. Students must achieve a "C" or better grade.
- **Social Science** 9 credits
  Students may select courses from activity classes (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.
- **Health & Human Activity** 2 credits
  Students may select courses from activity courses (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.
- **Science and Mathematics** 14 credits
  One course must be a lab science course from the biology, geology, chemistry, or physics areas. One course must be a college level (1000+) mathematics course with a "C" or better grade.
- **Computer Course** 3 credits
  This course may be chosen from programming or applications courses only.
  Eligible courses: CMAP 1705, 1750, 1800, 1905, COSC 1010, 1200, ES 1060, IMGT 2400, ITEC 2360
- **Assessment** 0-1 credits
  Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific Capstone course, Assessment Portfolio (HMDV 2410), the online MyFolio, or by attending the designated Assessment Day (both transcripts as HMDV 2411).

**Total General Education Requirements** 37-38 credits

**Major Area Coursework, Electives** 26-27 credits

**Total Hours Required** 64 credits minimum

- The cumulative Western Wyoming Community College grade point average must be a 2.00 or better in order to graduate.
- Generally no courses taken from WWCC for "S/U" grades may be used as hours for graduation, except CLEP credit by exam, military credit, and approved graduation S/U courses.
- No coursework numbered less than 1000 will be applicable to the Associate of Science Degree (example: ENGL 0950).
- A maximum of six hours of studies or workshops (2490, 2495, 2990, or 2995) coursework may be applied toward the Associate of Science Degree (example: POLS 2490).
- A maximum of four hours of internship allowable toward graduation.
- At least 14 hours of coursework must be completed through Western Wyoming Community College.

There are several Associate of Science Degrees which require specific courses to fulfill the requirements for the degree. The
degree is listed with the major on the student’s transcript and diploma. The degrees are:
A.S. in Accounting
A.S. in Computer Information Systems
A.S. in Business Administration
A.S. in Exercise Science
A.S. in Marketing

Requirements for the Associate of Fine Arts Degree
Every student must complete a minimum of 76 semester hours of credit. The major will appear on the diploma. Departmental course requirements are very specific and must be completed as listed. Approved majors in the Associate of Fine Arts Degree:
• Musical Theatre
• Technical Theatre
• Visual Arts: 2D

Course requirements can be found in the Visual & Performing Arts section (p. 94) of Programs of Study.

Requirements for the Associate Degree in Nursing
Every student must complete the 3 year (6 or 7 semester) program. Students must fulfill prerequisites and be accepted to the program. Program requirements are very specific and must be completed as listed. Successful completion of the program allows the graduate to take the National Council Licensure examination for registered nursing (NCLEX-RN). The major will appear on the diploma.

Course requirements can be found in the Health Sciences section (p. 62) of Programs of Study.

Requirements for the Associate of Applied Science Degree
Every student must complete a minimum of 64 semester hours of credit. Students have some flexibility in choosing courses that interest them. Major will appear on the diploma.

Approved majors for the Associate of Applied Science Degree:
• Automotive Technology
• Medical Office Assistant
• Diesel & Heavy Equipment Mechanics
• Mining Maintenance Technology
• Electrical & Instrumentation Technology
• Natural Gas Compression Technology
• Industrial Maintenance
• Office Information Systems
• Industrial Health & Safety
• Oil & Gas Production Technology
• Industrial Maintenance
• Welding Technology
• Law Enforcement

General Education Requirements:

English 6 credits
Students must complete ENGL 1010 & 1020, 1111 or 2010. Students must receive a “C” or better grade in each course.

United States Government 3 credits
Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, HIST 1251, or ECON 1200. State law requires students to successfully complete a course in the United States and Wyoming Constitution. Students must receive a “C” or better grade.

Social Science, Humanities, Applied Arts 3 credits
Students must complete one course from one of the three areas above.

Computer Course 3 credits
This course may be chosen from programming or applications courses only. Eligible courses: CMAP 1705, 1750, 1800, 1905, COSC 1010, 1200, ES 1060, IMGT 2400, ITEC 2360

Health & Human Activity 2 credits
Students may select courses from activity courses (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.

Science and/or Mathematics 3-4 credits
Students must complete a college level math or science course

Assessment 0-1 credit
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific capstone course, Assessment Portfolio (HMDV 2410), the online MyFolio, or by attending the designated Assessment Day (both transcripted as HMDV 2411).

Total General Education Requirements 20-22 credits

Degree Area Coursework 24 credits
All 24 hours must be completed in the major area department.

Directly Related Coursework 12 credits
Coursework must be in the same division or be a Curriculum Committee approved course for the related area.

Electives 6-8 credits

Total Hours Required 64 credits minimum

A cumulative Western Wyoming Community College grade point average of 2.00 or better must be maintained for graduation.

• Students may use a maximum of five hours of less than 1000 level coursework for electives (example: DVST 0900).
• No courses taken from WWCC for “S/U” grades may be used for hours for graduation, except CLEP, credit by exam, military credit, and S/U courses approved for graduation.
• A maximum of six hours of studies or workshops (2490, 2495, 2990, or 2995) coursework may be applied toward the Associate of Applied Science Degree (example: WELD 2995).
• At least 14 hours of coursework must be completed through Western Wyoming Community College.
• A maximum of six hours of internship allowable toward graduation.
Western has developed a curriculum that integrates the College’s five Goals for Student Success. These goals focus on strengthening student skills to solve problems both critically and creatively, to consider multiple perspectives, to retrieve relevant information, to communicate clearly, and to develop life skills that promote health and well-being. These skills are embedded in most WWCC courses, but the general education courses required in every Associate degree are designed to emphasize these skills.

The specific general education requirements vary for each Associate degree. See requirements for each Associate degree and policies (p. 36) regarding WWCC graduation requirements. Also, check in the Suggested Program to determine if a particular course is recommended. The courses listed here are current for the 2012-2013 catalog. Courses taken previously may not be listed though may count towards graduation.

**English**

**English I**
ENGL 1010 ENGLISH COMPOSITION I 3

**English II**
ENGL 1020 ENGLISH COMPOSITION II 3
ENGL 1111 ADVANCED COMPOSITION 3
ENGL 2010 TECHNICAL WRITING 3

ENGL 1111 and ENGL 2010: Course fulfills more than one requirement but may only be counted once.

C or better grade required for English I and II.

**United States Government**

**Economics**
ECON 1200 ECONOMICS, LAW & GOVERNMENT 3

**History**
HIST 1211 US HISTORY I: TO 1865 3
HIST 1221 US HISTORY II: FROM 1865 3
HIST 1251 WYOMING HISTORY 3

**Political Science**
POLS 1000 AMERICAN & WYOMING GOVERNMENT 3

HIST 1211, HIST 1221, HIST 1251, and POLS 1000: Course fulfills more than one requirement but may only be counted once.

C or better grade required for US Government.

**Social Science**

**Anthropology**
ANTH 1100 INTRO TO PHYSICAL ANTH 3
ANTH 1200 INTRO TO CULTURAL ANTH 3
ANTH 1300 INTRODUCTION TO ARCHAEOLOGY 3
ANTH 2200 WORLD ETHNOGRAPHY 3
ANTH 2210 NORTH AMERICAN INDIANS 3
ANTH 2311 PREHISTORIC ARCH FIELD METHODS 1-4
ANTH 2312 HISTORICAL ARCH FIELD METHODS 1-4

**Criminal Justice**
CRMJ 1550 COMMUNITY RELATIONS 3
CRMJ 1900 INTRO TO LAW ENFORCEMENT 3
CRMJ 2120 INTRO TO CRIMINAL JUSTICE 3
CRMJ 2210 CRIMINAL LAW I 3
CRMJ 2220 CRIMINAL LAW II 3
CRMJ 2400 CRIMINOLOGY 3
CRMJ 2420 JUVENILE JUSTICE 3
CRMJ 2450 ETHICS IN CRIMINAL JUSTICE 3
CRMJ 2460 POLITICAL CRIME 3
CRMJ 2550 CRIMINAL INVESTIGATION I 3
CRMJ 2560 CRIMINAL INVESTIGATION II 3
CRMJ 2580 CRISIS INTERVENTION MANAGEMENT 3
CRMJ 2590 DRUGS & CRIMINAL JUSTICE 3

**Economics**
ECON 1010 MACROECONOMICS 3
ECON 1020 MICROECONOMICS 3

**Education**
EDCI 1000 ED EXPERIENCE PROSPECTIVE TEACHERS 2
EDEC 1020 INTRO TO EARLY CHILDHOOD EDUCATION 3
EDEC 1025 EARLY CHILDHOOD PRACTICUM 1
EDEL 1410 MATH FOR ELEMENTARY SCHOOLS TEACHERS I 1
EDEL 2410 MATH FOR ELEMENTARY SCHOOLS TEACHERS II 1
EDEX 2484 INTRO TO SPECIAL EDUCATION 3
EDFD 1010 FIELD EXPERIENCE 2
EDFD 2020 FOUNDATIONS OF EDUCATION 3
EDFD 2100 EDUCATIONAL PSYCHOLOGY 3
EDFD 2451 LIFE SPAN: ADULTHOOD 1
EDUC 2100 PRACTICUM IN TEACHING I 1
EDUC 2110 PRACTICUM IN TEACHING II 1

**Geography**
G&R 1000 INTRODUCTION TO GEOGRAPHY 3
G&R 1050 INTRO TO NATURAL RESOURCES 3

G&R 1050: Course fulfills more than one requirement but may only be counted once.

**Health/Physical Education**
HLED 1003 WELLNESS 3
PEPR 2120 INTRO TO EXERCISE PHYSIOLOGY 4
PEPR 2130 FITNESS LEADERSHIP TRAINING I 3

HLED 1003: Course fulfills more than one requirement but may only be counted once.

**History**
HIST 1110 WESTERN CIVILIZATION I 3
HIST 1120 WESTERN CIVILIZATION II 3
HIST 1211 US HISTORY I: TO 1865 3
HIST 1221 US HISTORY II: FROM 1865 3
HIST 1251 WYOMING HISTORY 3
HIST 1290 HISTORY OF THE US WEST 3
HIST 1340 SWEETWATER COUNTY HISTORY 2
HIST 1360 LIVING HISTORY 1-4
HIST 1410 INTRO TO AMERICAN ENVIRONMENT 3
HIST 2060 HOLOCAUST IN EUROPE, 33-45 3
HIST 2290 HISTORY OF AMERICAN INDIANS 3
HIST 2310 AMERICAN WOMEN'S HISTORY 3

HIST 1110, HIST 1120, HIST 1211, HIST 1221, and HIST 1251: Course fulfills more than one requirement but may only be counted once.

**Home Economics**
HOEC 1140 NUTRITION 3

HOEC 1140: Course fulfills more than one requirement but may only be counted once.
### Political Science
- POLS 1000: AMERICAN & WYOMING GOVERN 3
- POLS 1200: NON-WESTERN POLITICAL CULTURES 3
- POLS 2000: CURRENT ISSUES IN AMER GOVERN 3
- POLS 2128: TERRORISM 3
- POLS 2310: INTRO TO INTERNTL RELATIONS 3
- POLS 2470: INTERNSHIP: POLITICAL SCIENCE 1-4
- POLS 2471: INTERNSHIP: POLITICAL SCIENCE II 1-3

POLS 1000: Course fulfills more than one requirement but may only be counted once.

### Psychology
- PSYC 1000: GENERAL PSYCHOLOGY 4
- PSYC 1300: DOMESTIC VIOLENCE/SEX ASSAULT 2
- PSYC 2000: RESEARCH PSYCHOLOGY METHODS 4
- PSYC 2050: INTRODUCTORY COUNSELING 3
- PSYC 2080: PSYCHOBIOLOGY 4
- PSYC 2210: DRUGS AND BEHAVIOR 3
- PSYC 2300: DEVELOPMENTAL PSYCHOLOGY 3
- PSYC 2330: PSYCHOLOGY OF ADJUSTMENT 3
- PSYC 2340: ABNORMAL PSYCHOLOGY 3
- PSYC 2380: SOCIAL PSYCHOLOGY 3
- PSYC 2470: INTERNSHIP: PSYCHOLOGY 1-3

PSYC 2080: Course fulfills more than one requirement but may only be counted once.

### Sociology
- SOC 1000: SOCIOLOGICAL PRINCIPLES 3
- SOC 1080: INTRO TO WOMEN'S STUDIES 3
- SOC 1100: SOCIAL PROBLEMS 3
- SOC 2000: INTRO TO SOCIAL WORK 3-4
- SOC 2200: SOCIOLOGY OF HUMAN SEXUALITY 3
- SOC 2325: MARRIAGE AND THE FAMILY 3
- SOC 2350: RACE & ETHNIC RELATIONS 3
- SOC 2470: INTERNSHIP: SOCIOLOGY 1-4

### Humanities

#### Art
- ART 1000: GENERAL ART 3
- ART 2010: ART HISTORY I 3
- ART 2020: ART HISTORY II 3

#### Communications
- COMM 1000: INTRODUCTION TO MASS MEDIA 3
- COMM 1030: INTERPERSONAL COMMUNICATION 3
- COMM 1040: INTRO TO HUMAN COMMUNICATION 3
- COMM 1050: CONFLICT MANGMT & MEDIATION 3
- COMM 1230: AMERICAN SIGN LANG I 4
- COMM 1240: AMERICAN SIGN LANGUAGE II 4
- COMM 2090: INTRODUCTION TO PERSUASION 3
- COMM 2270: PUBLIC RELATIONS 3
- COMM 2485: COMMUNICATION SEMINAR: 1-3

#### English
- ENGL 2140: WORLD LITERATURE I 3
- ENGL 2150: WORLD LITERATURE II 3
- ENGL 2250: WOMEN IN LITERATURE 3
- ENGL 2310: AMERICAN LITERATURE I 3
- ENGL 2320: AMERICAN LITERATURE II 3
- ENGL 2340: NATIVE AMERICAN LITERATURE 3
- ENGL 2370: WESTERN AMERICAN LITERATURE 3
- ENGL 2390: LITERATURE OF WYOMING 3
- ENGL 2420: LITERARY GENRES: 3
- ENGL 2470: FILM APPRECIATION 3

#### Foreign Language
- FREN 1010: FIRST YEAR FRENCH I 4
- FREN 1020: FIRST YEAR FRENCH II 4
- GERM 1010: FIRST YEAR GERMAN I 4
- GERM 1020: FIRST YEAR GERMAN II 4
- SPAN 1010: FIRST YEAR SPANISH I 4
- SPAN 1020: FIRST YEAR SPANISH II 4
- SPAN 1070: SPANISH FOR HEALTH CARE PERS 2
- SPAN 2030: SECOND YEAR SPANISH I 4
- SPAN 2040: SECOND YEAR SPANISH II 4

#### History
- HIST 1110: WESTERN CIVILIZATION I 3
- HIST 1120: WESTERN CIVILIZATION II 3

HIST 1110 & 1120: Course fulfills more than one requirement but may only be counted once.

#### Library Science
- LIBS 2280: LITERATURE FOR CHILDREN 3

#### Music
- MUSC 1000: INTRO TO MUSIC 3
- MUSC 2050: MUSIC HISTORY SURVEY I 3
- MUSC 2055: MUSIC HISTORY SURVEY II 3

#### Philosophy
- PHIL 1000: INTRODUCTION TO PHILOSOPHY 3
- PHIL 2300: ETHICS 3
- PHIL 2310: PHILOSOPHY OF RELIGION 3
- PHIL 2315: COMPARATIVE RELIGIONS 3

#### Theatre
- THEA 1000: INTRO TO THEATRE 3
- THEA 1120: AMER MUSICAL THEATRE HIST & LIT 3

#### Applied Arts Assessment

#### Art
- ART 1005: DRAWING I 3
- ART 1110: DESIGN: 2D 3
- ART 1120: DESIGN: 3D 3
- ART 1130: DESIGN: COLOR 3
- ART 1150: PHOTOGRAPHY I 3
- ART 1160: PHOTOGRAPHY II 3
- ART 1178: DIGITAL IMAGING I 3
- ART 1250: WATER BASED MEDIA I 3
- ART 1310: SCULPTURE I 3
- ART 2005: DRAWING II 3
- ART 2050: LIFE DRAWING 3
- ART 2090: PRINTMAKING I 3
- ART 2095: PRINTMAKING II: INTAGLIO 3
- ART 2120: GRAPHIC DESIGN I 3
- ART 2175: PHOTOGRAPHY STUDIO 1-3
- ART 2210: PAINTING I 3
- ART 2220: PAINTING II 3
- ART 2230: PAINTING III 3
- ART 2410: CERAMICS I 3
- ART 2420: CERAMICS II 3
- ART 2430: CERAMICS III 3
- ART 2440: CERAMICS IV 3
- ART 2445: CERAMIC STUDIO 1-3
- ART 2479-2489: SPECIAL PROJECTS IN ART 0
- ART 2479-2489: SPECIAL PROJECTS IN ART 0
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<td>BEGINNING BOWLING</td>
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</tr>
<tr>
<td>PEAC 1254</td>
<td>SNOWBOARD RIDING I</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1255</td>
<td>BEGINNING GOLF</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1258</td>
<td>DOWNHILL SKIING I</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1259</td>
<td>BEGINNING CROSS-COUNTRY SKIING</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1260</td>
<td>BEGINNING VOLLEYBALL</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1264</td>
<td>BEGINNING SOFTBALL</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1273</td>
<td>WEIGHT TRAINING CONDITION</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1280</td>
<td>FLY FISHING I</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1287</td>
<td>ROCK CLIMBING</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1290</td>
<td>PHYSICAL CONDITIONING:</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1294</td>
<td>BEGINNING YOGA</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1295</td>
<td>BEGINNING BACKPACKING</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1296</td>
<td>DESERT LIVING SKILLS</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1297</td>
<td>WHITWATER RAFTING</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1298</td>
<td>SNOWSHOEING</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1308</td>
<td>HIKE &amp; FISH</td>
<td>1</td>
</tr>
<tr>
<td>PEAC 1309</td>
<td>HIKE-CAMP-FISH</td>
<td>1</td>
</tr>
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</table>
The following courses do not fulfill the Health and Human Activity requirement: HLED /OEAC 1222 Wilderness First Aid and Safety and HLED 1225 First Aid CPR

The Laboratory Science

Biology

BIOL 1002 DISCOVERING SCIENCE 4
BIOL 1003 CURRENT ISSUES IN BIOLOGY 4
BIOL 1010 GENERAL BIOLOGY 4
BIOL 2010 HUMAN ANATOMY & PHYSIOLOGY I 4
BIOL 2015 HUMAN ANATOMY & PHYSIOLOGY II 4
BIOL 2022 ANIMAL BIOLOGY 4
BIOL 2023 PLANT AND FUNGAL BIOLOGY 4
BIOL 2080 PSYCHOBIOLOGY 4

MOLB 2210 GENERAL MICROBIOLOGY 4

BIOL 2080: Course fulfills more than one requirement but may only be counted once.

(May not count both BIOL 1003 and BIOL 1010)

Chemistry

CHEM 1000 GENERAL CHEMISTRY I 4
CHEM 1020 GENERAL CHEMISTRY II 4
CHEM 2230 QUANTITATIVE ANALYSIS 5
CHEM 2320 ORGANIC CHEMISTRY I 4
CHEM 2340 ORGANIC CHEMISTRY II 4

(May not count both CHEM 1000 AND CHEM 1020)

Geology

GEOG 1100 INTRODUCTORY GEOLOGY 4
GEOG 1200 HISTORICAL GEOLOGY 4
GEOG 2150 GEOMORPHOLOGY 4

Physics

PHYS 1050 CONCEPTS OF PHYSICS 4
PHYS 1110 GENERAL PHYSICS I 4
PHYS 1120 GENERAL PHYSICS II 4
PHYS 1310 COLLEGE PHYSICS I 4
PHYS 1320 COLLEGE PHYSICS II 4

(May not count Both PHYS 1050, PHYS 1110 or PHYS 1310; May not count both PHYS 1120 and PHYS 1320)

Psychology

PSYC 2080 PSYCHOBIOLOGY 4
PSYC 2080: Course fulfills more than one requirement but may only be counted once.

Additional Science Courses for Associate of science students

BIOL 1210 WYOMING FLORA 2
BIOL 1220 BIRDING 2
BIOL 2400 GENERAL ECOLOGY 3
G&R 1050 INTRO TO NATURAL RESOURCES 3
GEOL 2080 GENERAL FIELD GEOLOGY 2

G&R 1050: Course fulfills more than one requirement but may only be counted once.

Mathematics

Mathematics

MATH 1000 PROBLEM SOLVING 3
MATH 1100 NUMBER & OPERATIONS ELEM 3
MATH 1105 DATA, PROBABILITY, ALGEBRA ELEM SCHOOLS 3
MATH 1400 PRECALCULUS ALGEBRA 4
MATH 1405 PRECALCULUS TRIGONOMETRY 3
MATH 2200 CALCULUS I 5
MATH 2205 CALCULUS II 5
MATH 2210 CALCULUS III 5
MATH 2250 ELEMENTARY LINEAR ALGEBRA 4
MATH 2310 APPLIED DIFFERENTIAL EQUATIONS 3
MATH 2350 BUSINESS CALCULUS I 4
MATH 2355 BUSINESS CALCULUS II 4

Statistics

STAT 2010 BUSINESS STATISTICS 4
STAT 2050 FUNDAMENTALS OF STATISTICS 4
STAT 2070 STATISTICS FOR SOC SCIENCE 4

Theatre

THEA 1300 SOCIAL DANCE 1
THEA 1310 CORE COND FOR WHOLE BODY CONNECTIVITY 1

THEA 1410 BALLET I 1
THEA 1420 BALLET II 1
THEA 1430 MODERN DANCE I 1
THEA 1440 MODERN DANCE II 1
THEA 1450 TAP DANCE 1
THEA 2450 TAP DANCE II 1
THEA 1480 JAZZ DANCE I 1
THEA 2480 JAZZ DANCE II 1
THEA 1500 DANCE PERFORMANCE 2
THEA 2410 BALLET III 1
THEA 2420 BALLET II 1
THEA 2430 MODERN DANCE III 1
THEA 2440 MODERN DANCE IV 1

THEA 1300, THEA 1410, THEA 1420, THEA 1430, THEA 1440, THEA 1450, THEA 2450, THEA 1480, THEA 2480, THEA 1490, THEA 2490, THEA 2400, THEA 2420, THEA 2440: Course fulfills more than one requirement but may only be counted once.

Health /Fitness/Nutrition

HLED 1003 WELLNESS 3
HOEC 1140 NUTRITION 3

HLED 1003 and HOEC 1140: Course fulfills more than one requirement but may only be counted once.
Lab science, mathematics and statistics courses not used to fulfill initial requirements may also be used as additional math and science courses.

C or better grade required for Math course for Associate of Arts, Science and Nursing degrees.

**Computer Course**

**Computer Applications**
- CMAP 1705  WORD PROCESSING APPLICATIONS: 3
- CMAP 1750  SPREADSHEET APPLICATIONS: 3
- CMAP 1800  DATABASE APPLICATIONS: 3
- CMAP 1905  INTEGRATED APPLICATIONS: 3

CMAP 1850-1890, CMAP 2600-2895 do not fulfill the computer course requirement for graduation.

**Computer Science**
- COSC 1010  INTROT TO COMPUTER SCIENCE I 4
- COSC 1200  COMPUTER INFORMATION SYSTEMS 3

**Engineering**
- ES 1060  INTRO TO ENGINEERING COMPUTING 3

**Information Management**
- IMGT 2400  INTRO TO INFO MANAGEMENT 3

**Instructional Technology**
- ITEC 2360  TEACHING WITH TECHNOLOGY 3

**Assessment**

**Course Listing**
- BADM 2800  BUSINESS PORTFOLIO/ CAPSTONE 2
- BOTK 2800  OIS PORTFOLIO/CAPSTONE 2
- COSC 2800  COMPUTER SCIENCE PORTFOLIO/CAPSTONE 2
- HMDV 2410  ASSESSMENT PORTFOLIO 1
- HMDV 2411  ASSESSMENT REQUIREMENT 0

CMAP 2895, EDUC 2800, and THEA 2500 do not fulfill the Assessment requirement for graduation.
YOUR EDUCATION AFTER WESTERN

Completing a Bachelors or Masters Without Leaving Home

Currently several universities provide opportunities to complete bachelors or masters degrees while living at home. Each of these universities has written transfer agreements with WWCC so that our courses transfer easily to each of these schools. Therefore, a student can start with WWCC’s lower cost, high quality courses, and then transfer to one of these universities, without leaving town. The delivery methods vary: for example, some UW courses meet at specific times. Most, however you can complete at home via the Internet.

Formal articulation agreements with area four-year institutions provide guaranteed transfer of general education and program specific coursework. Go here for a list of with articulation agreements: www.wwcc.wy.edu/advising/transfer.htm

A detailed list of colleges with online degrees and contact information for each University is located at the WWCC Distance Learning website: www.wwcc.wy.edu/dist_ed/4-year.htm

Colleges with Online Degrees

- University of Wyoming
- Mayville State University
- National American University
- Ashford University
- Valley City State University
- Franklin University
- Kaplan University
- Regis University
- Upper Iowa University

University of Wyoming

The University of Wyoming maintains an Outreach office on the WWCC campus and provides a number of courses over its compressed video system on the RS campus each semester in addition to many online courses. You may complete your associates at WWCC, and then pursue a variety of bachelor or master programs. For more information, contact the UW Outreach office to find out more about their programs and to have evaluations completed of your WWCC coursework. Their office is in room 1228.

UW Contact: Troy Archuleta at 307-382-1817

Franklin University

Western has an agreement with Franklin University allowing a Western (WWCC) graduate with an Associate of Science degree to complete a bachelor’s degree online in a number of areas.

WWCC graduates take additional coursework both from Western (WWCC) and from Franklin University to complete a bachelor’s degree, checking this site will provide you with additional information on obtaining a free preliminary evaluation.

WWCC Contacts: Accounting - Perry Ninger, 307-382-1744
Business Administration - Brandi Moore, 307-382-1766
Franklin University Contact: Thom Leiter, 614-947-6057

Kaplan University

Kaplan University has a transfer agreement with Western (WWCC) where students may continue their education to complete Certificates, Bachelor of Science, or Masters Degrees in a number of areas.

North Central Association of Schools and Colleges has regionally accredited Kaplan. WWCC students, employees, and alumni receive a 10% discount on any of any of the 100 online majors for Bachelor’s, Master’s Degrees or Certificate Programs. Kaplan accepts WWCC’s AA or AS Degree as a block transfer, so you start into their Bachelor’s program as a junior. To ensure you receive the 10% discount, you must go to the Kaplan University website www.cc.kaplan.edu or call 866-397-9456.

Kaplan University offers discounts for Criminal Justice majors and military and cost for textbooks is in undergraduate tuition. Classes are 9 weeks; one week for finals and one-week break between semesters. (5 terms each year)

Kaplan University Contact: Robert Freebairn, MBA, 801-450-9567

WWCC Contact for Criminal Justice: Traci Ciepiela, 307-382-1767

Mayville State University

Western has an agreement with Mayville State University (MSU) whereby a WWCC graduate with an A.S., A.A., or A.A.S. can transfer those courses and complete a bachelor’s degree via distance in a number of areas. Please refer to their website to see all of the possible online/distance degree options. Depending on the credits being transferred in and depending on the degree option, students will need to earn at least 120 semester credits total to graduate from MSU. After performing a transfer evaluation to determine the necessary credits needed from MSU to earn the “applied for” degree. Students could continue to take general education requirements through WWCC, while earning a bachelor’s degree from MSU. Even without an articulated agreement, there are many other programs to transfer into at MSU. Please contact Connie Kaldor (connie.kaldor@mayvilles.edu) for further information.

Articulated Programs to Western (WWCC) students include: Early Childhood BA and General Education

Mayville State University Contact: Connie Kaldor, 701-788-4721

National American University

National American University has 18 locations in seven states, and an extensive online program. Students who has earned an AA, AS or AAS may be eligible for a block transfer, which transfers credit for college courses (1000 level or above) to be applied to many bachelor degree programs.

National American University Contact: Admissions, 800-209-0182

Regis University

Site-bound students have the opportunity to complete a bachelor’s degree while living at home through an articulation agreement between WWCC and Regis University. This agreement allows students to complete as many as 90 credits from WWCC plus a minimum of 30 credits from Regis.

The Regis University Education program has three options: Early Childhood (birth to 8), Elementary Education, Secondary Education, and Special Education.

WWCC Contact for Education majors: Ellen Ventura, 307-382-1764
Regis Contact for Education majors: Karen Cooley, M.A. 970-613-2203
Regis Contact for Online Programs: Charlotte Farr, 800-944-7667

Ashford University

Ashford University and Western Wyoming Community College (WWCC) have entered into an articulation agreement to enable WWCC students who transfer to Ashford to carry with them the
credit they have already earned. With Ashford, you can transfer a maximum of 99 credit hours.

**Ashford Information:** 800-877-1179

**Upper Iowa University**
Upper Iowa University delivers an extensive list of Online Degree Programs to WWCC transfer students. In addition, Upper Iowa will transfer a maximum of 78 lower division credits from community colleges. *A major in Emergency and Disaster Management will meet the needs of first responders, local and state emergency planners, and federal agency personnel by accommodating their ongoing educational needs.*

**Upper Iowa General Information:** 877-366-0581
**Upper Iowa Contact:** Sara Weichman, 319-232-6380

**Transfer to the University of Wyoming**
Students who plan to transfer from WWCC to the University of Wyoming should be aware of a number of things that make the process a simple matter.

1. **Transfer Agreement for WWCC Graduates:** WWCC graduates with an AA or AS will transfer to UW under a guaranteed agreement. The agreement states that WWCC graduates will have met all of UW's lower division general education requirements (called University Studies at UW) with the exception of a second math requirement. Students can complete the second mathematics course either at WWCC or at the University. Students must take an upper division WC (writing course). Students may be required to take additional USP (University Studies Program) courses as requirements for their college and major.

2. **Course Numbering System is the Same:** UW and all 7 Wyoming Community Colleges use the same name and number for most equivalent transfer courses. Thus, English 1010 has same name and number at all 8 schools. To know which courses are equivalent, use the Transfer Guide (see below).

3. **Transfer Guide:** The Transfer Guide lists all the courses that transfer from the 7 Wyoming Community Colleges to UW. It lists equivalent courses and transfer courses. Equivalent courses have the same name and number at all 8 institutions.

   Transfer courses transfer to UW even though they may not be taught at all colleges or at UW. The Guide also lists all of UW's general education requirements (University Studies Program) and which courses meet those requirements. All advisors and Registration & Records have copies of the Transfer Guide.

4. **No Limit on Number of Credit Hours That Transfer:** There is no limit to the number of credits WWCC students may transfer to UW; however, how these courses fulfill requirements specific to a UW program of study will be evaluated on a course-by-course basis.

5. **Transfer Agreement for Students Who Transfer Without an AA or AS:** Students who transfer with less than an AA or AS degree or with an occupational degree, or other associate degree, will have their transcript evaluated on a course-by-course basis based on the Transfer Guide. Such students will have to meet UW’s general education requirements, i.e. complete WWCC courses that meet UW’s University Studies requirement. Students should notify their advisor if they plan to transfer to UW without completing an AA or AS.

UW’s University Studies courses can be found at http://uwadmnweb.uwyo.edu/unst/
Transfer Programs

Programs of study in this degree area of the College are designed for students interested in liberal arts and pre-professional study. These programs lead to the Associate of Arts, Associate of Fine Arts, Associate of Nursing, or Associate of Science degree. Most courses within this area may be transferred to four-year colleges and universities toward completion of the Bachelor of Arts or Bachelor of Science degrees. The Associate of Fine Arts may be obtained in Art, Musical Theatre, and Technical Theatre.

The Associate of Arts or Associate of Science Degree can be obtained with an emphasis on the following areas of liberal arts study:

Business:
Accounting
Business Administration
Computer Information Systems
Marketing

Health:
Exercise Science
Nursing
Pre-Dental Hygiene
Pre-Dentistry
Pre-Medicine
Pre-Nursing (BSN)
Pre-Pharmacy
Pre-Physical Therapy
Pre-Radiology

Humanities:
Communication
English
Journalism
Spanish
Western American Studies

Mathematics & Science:
Biology
Chemistry
Engineering
Environmental Science
Geology
Mathematics
Pre-Forestry
Pre-Rangeland Ecology and Watershed Management
Pre-Veterinary
Pre-Wildlife Biology

Social Science:
Anthropology
Archaeology
Criminal Justice
Education (Elementary, Secondary, Early Childhood)
History
International Studies
Political Science
Pre-Law
Psychology
Social Science
Social Work
Sociology

Visual & Performing Arts:
Art
Ceramics

Certificates and Technical Programs

Certificates and Associate of Applied Science degrees, generally in technical areas, are programs of study designed for those students who wish to prepare for employment in business and industry. These programs offer students the opportunity to develop necessary skills in the shortest amount of time. Students finishing these programs move immediately into the job market or continue on with their education at four-year institutions or trade schools. Although these are not meant to be transfer programs, students may sometimes transfer to specialized programs or trade schools.

Associate of Applied Science

Automotive Technology
Diesel and Heavy Equipment Mechanics
Electrical & Instrumentation Technology
Industrial Maintenance
Industrial Health & Safety
Law Enforcement
Medical Office Assistant
Mining Maintenance Technology
Natural Gas Compression Technology
Office Information Systems
Oil & Gas Production Technology
Welding Technology

Certificates

Certificates are typically short, concentrated programs of study, within a particular field, ranging from 14 credits to 40. Many are designed to develop the core job skills for a particular business or industry in one year or less of full-time enrollment. Although these are not intended to be transfer programs, some students transfer to specialized schools or programs.

Accounting
Administrative Assistant
Alternative Fuel Vehicle Technology
Automotive Technology
Clerk-Typist
Creative Writing
Diesel & Heavy Equip Maint. and Repair
Diesel Technology
Diesel Technology, with CDL
Digital Design Technologies
Electrical Apprenticeship
Electrical Mine Maintenance
Electrical/Instrumentation/Control Tech.
Emergency Management
English As A Second Language
Fitness Leadership
Industrial Maintenance
Industrial Safety
International Business/ESL
Journalism
Maintenance Mechanic for Industry
Medical Office Assistant
Mine Maintenance
Natural Gas Compression Technology
Oil & Gas Production Operator
Power Plant Maintenance
Practical Nursing

Dance
Music
Musical Theatre
Technical Theatre
Theatre
Surface Maintenance Mechanics
Technical Theatre
Underground Maintenance Mechanics
Web Site Development
Welding Technology
Western American Studies

Professional/Continuing Education and Workforce Training Programs
Courses and programs of study in these areas are designed to provide job skills necessary to quickly enter, remain in, or advance in specific sectors of the workforce. Many of these programs award Continuing Education Units (CEUs) or provide eligibility to earn credit toward some certificate or degree programs.

- Computer Workshops
- Customized Training
- Driver Training
- Health, Safety, and Environment
- Industrial Applications
- MSHA and OSHA
- Phlebotomy/Allied Health
- Professional Development

Distance Learning
Distance Learning at Western Wyoming Community College meets the needs of students within our 5-county area and beyond. The Distance Learning Department works with campus and the WWCC Outreach sites to provide credit courses for all students. To find your closest outreach site, go to Outreach Centers (p. 10). The distance courses consist of on-site courses in the outreach, online and compressed-video.

Outreach On-site Courses: Qualified instructors within individual communities teach college credit courses. The instructors follow the same syllabus as teachers on the Rock Springs campus. These courses are traditional, live classes in your community.

Online Courses: Online courses are completed over the Internet. Although students can work on the course anytime, 24 hours a day, they will have assignments due on specified dates. Online courses have specified starting and ending dates coinciding with the on-campus semester or block courses. Some online courses have synchronous lab components.

Compressed-video Courses: Live courses are delivered via compressed video. An instructor is teaching the course from another community in SW Wyoming, and you participate via a compressed video station in your community at the same time. Most courses will include an Internet component to provide easy access to course materials and interaction with the instructor outside of scheduled course time.

Academic Policies are the same for traditional classroom and online courses. Through a variety of delivery methods, students enrolled in distance education courses have access to student services, library, tutoring, and counseling opportunities similar to students on campus.

The following degrees and certificates can be completed by students at a distance, primarily online:

- Accounting Certificate
- Accounting A.S. degree
- Associate of Arts emphasis in:
  - Criminal Justice
  - Social Science
  - Social Work
  - Sociology
- Business Administration A.S. degree
- Computer Information Systems A.S. degree
- General Studies A.A. and A.S. degree
- Marketing A.S. degree
- Office Information Systems A.A.S. degree
- Digital Design Technologies Certificate
- Emergency Management Certificate
- Journalism Certificate
- Web Development Certificate
- Western American Studies Certificate

Internships
Purpose of the Internship Experience
Internships offer opportunities for students to truly get hands-on experience in a chosen profession. During internships, students work with professionals learning the practical aspects of a profession. After such experiences, students can more clearly decide if the profession fits their own personality and academic interests. Moreover, students can better understand how the classroom lectures relate to the everyday professional situations.

Credit Hours
Contact hours for an internship experience are 4:1 (4hrs/wk/15 weeks for 1 credit hour – 62.5 contact hours per semester). Because these courses require a lot of time, students should make sure their time commitment between regular classes and work experience is reasonable. Students may enroll in 1-4 hours of credit (internship), in one semester. A maximum of 4 credit hours can count towards an AA or AS degree and a maximum of 6 credit hours towards an AAS degree.

General Guidelines
Course Number
Each department has an internship category, which may be used. For the AAS and AFA programs, the 2480 is used and 2470 is used for AA and AS programs.

Supervision
A full-time WWCC faculty member must supervise all internship experiences.

Eligibility/Prerequisites
The job opportunity must be in the student’s major area and directly related to their program of study. In most cases, positions are identified by the college and the students are selected by the department. Thus, an existing position or job that a student already holds does not usually qualify. Eligibility requirements vary. Students must, therefore, check with the department to see if they meet that department’s qualifications. Instructor permission is required.

Grading
Students will be required to complete the following minimum requirements in order to receive internship credit:

- Complete the required number of hours of on-the-job work experience (keep a log of hours worked);
- Submit a journal of the experience;
- Meet regularly with the instructor to discuss progress, concerns, etc;
- Receive an evaluation from the on-site supervisor.

Registration
Registration for these courses must be completed by the specified date in the schedule. The latest date that these courses may begin is the open-entry deadline each semester (two weeks after
midterm). Students and instructors must meet and agree on a course outline before the student may register. A copy of the outline must be submitted to the Internship Coordinator and Registration Records prior to registration.

**Departmental Internships**

**Purpose**

Internships provide students with an opportunity to evaluate their probable career or college major by working in that career with a local industry or business. Typically, a student is recommended for an internship after they have completed one year of courses. Internships in the technical areas (Technology and Industry or Office Information Systems) may also provide part-time employment as well as practical professional experience. Afterwards many of these students are hired full-time and complete their AAS while working for a local company. At Western, freshmen or sophomores can take advantage of these opportunities while at most universities; students must be juniors or more often seniors.

During internships, students can interact with professionals in the work place, can experience the day-to-day routine of a psychologist, an engineer, a teacher, or an archeologist, and can apply classroom theories to on-the-job situations. The benefit, of course, is that students can decide—based on experience in that profession firsthand—if their chosen major really fits their interests and abilities.

Western offers a variety of internships. Some are described below. Qualifications for an internship vary with departments. Students can should check with the department to see if they meet that department’s qualifications or contact the ACE IT Center at 307-382-1660 for more information.

**Goals for Student Success**

Western Wyoming Community College has identified five major goals for student success in order to assist students in developing abilities that will help prepare them to succeed in the world today and meet the challenges of the future. These goals are addressed in courses across the curriculum at WWCC, and methods of instruction and assessment are varied. Being aware of these goals as students pursue their education at WWCC will aid them as they work to demonstrate these abilities within various courses and contexts of college life.

**Communicate Competently**

**Retrieve Information**

**See Issues From Multiple Perspectives**

**Solve Problems**

**Develop Life Skills**

**Communicate Competently**

To communicate competently requires the ability to express ideas clearly and effectively, and receive meaning and interpret ideas through various modes of communication. Although listening skills, computer skills, and group communication skills are important when communicating, speaking and writing are considered the primary modes that are essential for professional and personal success.

**Retrieve Information**

The ability to retrieve information is important in the world today where the vast amount of knowledge in any discipline is impossible to learn and keep within the human memory. The ability identify, evaluate and use reliable resources from a variety of sources, such as libraries, databases, internet, and interviews provides students with the skills to know how and where to locate the material necessary to help them in their professional and personal lives.

**See Issues from Multiple Perspectives**

The ability to see issues from multiple perspectives and think about consequences is essential in a global and diverse society. Global views and an understanding of the diversity in work, people, and life provide students with the ability to be productive in their communities and the world. Students must be aware that the same words and actions have different meanings to different groups of people. Therefore, to succeed, one must become more aware of and recognize these differing perspectives to avoid misunderstandings and miscommunication. The ability to recognize and objectively evaluate different points of view is essential for professional and personal success.

**Problem Solving**

The ability to solve problems using critical thinking skills is essential for students to make connections and understand the different information and situations that occur throughout life. In the global and diverse world today, students must be able to understand and apply specific methods for solving problems within various contexts and disciplines. The ability to implement a problem solving strategy, participate in group learning activities, and to engage in active, “hands-on”, and experiential learning is necessary for students to be successful in their professional and personal lives.

**Develop Life Skills**

The ability to develop life skills is essential for students to make decisions and follow through. Developing life skills is necessary to interact with people in the global and diverse world today. The ability to identify, reflect, and plan on educational, career and life goals, use resources to improve personal wellness, and attend or participate in artistic, cultural, recreational events or extracurricular activities is necessary for students to be successful in their professional and personal lives. Students will learn that the responsibility, the decisions, and the consequences of how to balance classwork, recreation, work, and family lie with each individual.
Programs of Study

Course Numbering System
Courses at Western Wyoming Community College are identified by a set of numbers and letters. The letters are abbreviations that are listed below. The set of 4 numbers indicates the level of the course: 1000s are freshman, 2000s are sophomore and 0000s are non-transferable courses.

Business & Information Systems
ACCT  Accounting
BADM  Business Administration
BOTK  Business Office Technology
BUSN  Business
CMAP  Computer Applications
COSC  Computer Science
ECON  Economics
FIN   Finance
IMGT  Information Management
MGT   Management & Supervision
MTK   Marketing
MOA   Medical Office Assistant

Developmental Studies
BAS, DVST Basic Skills
DVST, BAS English for Speakers of Other Languages
HMDV  Human Development

Health Science
HLTK  Allied Health Technology
HLED  Health Education
HOEC  Home Economics/Nutrition
OEAC  Outdoor Education Activity
NRST  Nursing
PEAC  Physical Activity
PEAT  Varsity Athletics
PEPR  Physical Education, Professional
PHLB  Phlebotomy

Humanities
COMM  Communications
EDCI  Education
EDEC  Education, Early Childhood
EDEL  Education, Elementary
EDEX  Education, Exceptional Child
EDFD  Education, Fundamentals
EDUC  Education, Recertification
ENGL  English
FREN  French
GERM  German
HUMN  Humanities
ITEC  Instructional Technology
LIBS  Library Science
PHIL  Philosophy
SPAN  Spanish

Science & Mathematics
BIOL  Biology
CHEM  Chemistry
ES   Engineering (Gen.) & Tech.
GEOL  Geology
MATH  Mathematics
PHYS  Physics
STAT  Statistics

Social Science & Services
ANTH  Anthropology
CRMJ  Criminal Justice
EMGT  Emergency Management
G&R  Geography & Recreation
HIST  History
POLS  Political Science
PSYC  Psychology
SOC  Sociology

Technology & Industry
AFVT  Alt. Fuel Vehicle Technology
AUTO  Auto Technology
CMPT  Compression Technology
CNTK  Construction Technology
DESL  Diesel Technology
ELAP  Electrical Apprenticeship
ELTR  Electricity/Electronic/Instrumentation Technology
INDM  Industrial Maintenance (Gen.)
MCH  Machine Tool Technology
MINE  Mining Technology
OGPT  Oil & Gas Production Technology
SAFE  Safety Technology
TECH  Technology
TTD  Tractor Trailer Driving
WELD  Welding Technology

Visual & Performing Arts
ART  Art, Ceramics & Photography
MUSC  Music
THEA  Theatre and Dance

The first digit in each number indicates whether the course is designed primarily for freshman (in which the number is a 1 as in ENGL 1010) or for sophomores (in which the number is 2 as in ENGL 2010) or for non-transferable courses (in which the number is a 0 as in ENGL 0900).
General Studies

General Studies Emphasis AA Degree
A program recommended for the student who is unsure of his/her major
This suggested program is designed for the student who intends to transfer to a four-year baccalaureate program, but who has not selected a specific major area of study. This program is also designed to meet the needs of students in the WWCC outreach service area.

This program should provide for completion of most general education requirements at surrounding four-year institutions as well as meet WWCC Associate of Arts requirements. Students should be aware of WWCC general education requirements as they select options in this program. See the General Education section (p. 39) for specific courses that fulfill the General Education requirements.

See Associate of Arts degree requirements (p. 36) for more information.

Degree Requirements
First Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
COLLEGE LEVEL MATH 3-4
SOCIAL SCIENCE 3
COMPUTER APPLICATIONS COURSE 3
ELECTIVE 3
15-16

First Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
OR ENGL 2010 TECHNICAL WRITING 3
SCIENCE COURSE 4
SOCIAL SCIENCE/HUMANITIES/APPLIED ARTS 3
US GOVERNMENT 3
ELECTIVE 3
16-17

Second Year - Fall Semester
US GOVERNMENT 3
HUMANITIES/APPLIED ARTS 3
ELECTIVE 10
16

Second Year - Spring Semester
SOCIAL SCIENCE 3
HUMANITIES/APPLIED ARTS 3
ELECTIVE 10
ASSESSMENT COURSE 1
17

Total of 64 credits minimum required, 2.00 cumulative GPA
Electives must be transfer level courses that preferably relate to the student’s future educational plans. (Suggestions: Communications, Philosophy, Art, Theatre, Psychology, Sociology, or Advanced Writing Courses) Students may require developmental coursework in math and English before entry into program requirements. If so, these hours do not count towards the minimum 64 credits needed to meet degree requirements.

General Studies Emphasis AS Degree
A program recommended for the student who is unsure of his/her major
This suggested program is designed for the student who intends to transfer to a four-year baccalaureate program, but who has not selected a specific major area of study. This program is also designed to meet the needs of students in the WWCC outreach service area.

This program should provide for completion of most general education requirements at surrounding four-year institutions as well as meet WWCC Associate of Science requirements. Students should be aware of WWCC general education requirements as they select options in this program. See the General Education section (p. 39) for specific courses that fulfill the General Education requirements.

See Associate of Science degree requirements (p. 36) for more information.

Degree Requirements
First Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
BIOL 1010 GENERAL BIOLOGY 4
COLLEGE LEVEL MATH 3-4
COMPUTER APPLICATIONS COURSE 3
ELECTIVE 3
16-17

First Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
OR ENGL 2010 TECHNICAL WRITING 3
SCIENCE COURSE 4
SOCIAL SCIENCE/HUMANITIES/APPLIED ARTS 3
US GOVERNMENT 3
ELECTIVE 3
16

Second Year - Fall Semester
SOCIAL SCIENCE 3
HUMANITIES/APPLIED ARTS 3
ADDITIONAL SCIENCE/MATH 3-4
HEALTH & HUMAN ACTIVITY 1
ELECTIVE 9
16-18

Second Year - Spring Semester
SOCIAL SCIENCE 3
HUMANITIES/APPLIED ARTS 3
ELECTIVE 10
ASSESSMENT COURSE 1
17

Total of 64 credits minimum required, 2.00 cumulative GPA
Electives must be transfer level courses that preferably relate to the student’s future educational plans. (Suggestions: additional Math or Science, Communications, or Advanced Writing Courses) Students may require developmental coursework in math and English before entry into program requirements. If so, these hours do not count towards the minimum 64 credits needed to meet degree requirements.
Business

Our business program places emphasis on function and responsibility to society as a member of the business community. Instruction in ethics and social sciences, and a working knowledge of modern management concepts is also stressed with a thrust toward the development of leadership.

Western offers programs of study that consist of a solid background in a breadth of business courses such as accounting, administration, computer science, management, and marketing. These courses provide preparation for a multitude of jobs in business, industry and government. Individuals working within this division of the College have the option of working toward occupational degrees and certificates or toward a more academically-oriented goal.

Online Business Degrees: Business degrees can be completed through online course work. The following links will allow you to find the online degree program for your area of interest.

Accounting: http://www.wwcc.wy.edu/academics/accounting/onlineguide.htm
Business Administration: http://www.wwcc.wy.edu/academics/bus_admin/onlineguide.htm
Marketing: http://www.wwcc.wy.edu/academics/marketing/onlineguide.htm

Students seeking an online degree are strongly encouraged to:
1. Complete the online learning course (CMA 0910) prior to beginning their online program.
2. Select a business faculty advisor for their degree area while seeking an online degree.

Accounting

The discipline of accounting provides opportunity to work with financial information at many different levels. To meet the educational needs of future accountants and bookkeepers, Western offers two programs to prepare students for employment opportunities in this field.

The first program is an Associate of Science Degree in Accounting. It is designed to allow the transfer of credits to a Bachelor of Science program at a four-year college. Students who continue on to obtain a Bachelor’s Degree in Accounting may obtain general employment in the field of accounting. Completion of 150 educational hours, with 24 or more accounting course hours, is required as part of eligibility to take the Certified Public Accounting (CPA) exam in Wyoming.

The second program is a one-year Accounting Certificate (33-34 credits) that is designed to provide both practical and theoretical education that will prepare students for administrative and clerical positions.

Accounting, AS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
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<tr>
<td>ECON 1010</td>
<td>MACROECONOMICS</td>
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</tr>
<tr>
<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<tr>
<td>BADM 1000</td>
<td>INTRODUCTION TO BUSINESS</td>
<td>3</td>
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<tr>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS:</td>
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Total Credit Hours: 17

Freshman Year - Spring Semester

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>ENGL 2010</td>
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| OR
| ENGL 1020 | ENGLISH COMPOSITION II                  | 3       |
| ECON 1020 | MICROECONOMICS                           | 3       |
| STAT 2010 | BUSINESS STATISTICS                     | 4       |
| OR
| STAT 2050 | FUNDAMENTALS OF STATISTICS               | 4       |
| LABORATORY SCIENCE |                             | 4       |
| HEALTH & HUMAN ACTIVITY |                         | 1       |
| COMM 1010 | PUBLIC SPEAKING                        | 3       |

Total Credit Hours: 18

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 2010</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
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<tr>
<td>US GOVERNMENT</td>
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</tr>
<tr>
<td>MATH 2350</td>
<td>BUSINESS CALCULUS I</td>
<td>4</td>
</tr>
</tbody>
</table>
| OR
| MGT 1040 | LEGAL ENVIRONMENT OF BUSINESS            | 3       |
| ACCT 2210 | ACCOUNTING INFORMATION                   | 3       |

Total Credit Hours: 16

Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>ACCT 2020</td>
<td>PRINCIPLES OF ACCOUNTING II</td>
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<tr>
<td>FIN 2100</td>
<td>MANAGERIAL FINANCE</td>
<td>3</td>
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<tr>
<td>MATH 2355</td>
<td>BUSINESS CALCULUS II</td>
<td>4</td>
</tr>
</tbody>
</table>
| OR
| IMGT 2400 | INTRODUCTION TO INFORMATION MANAGEMENT    | 3       |
| BUSINESS ELECTIVE |                                  | 3       |
| BADM 2800 | BUSINESS PORTFOLIO/ CAPSTONE             | 2       |

Total Credit Hours: 17-18

Accounting Certificate

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
</tbody>
</table>
| OR
| BOTK 1520 | BUSINESS MATHEMATICS                      | 3       |
| MATH 1400 | PRECALCULUS ALGEBRA                      | 4       |
| ACCT 2010 | PRINCIPLES OF ACCOUNTING I                | 3       |

Total Credit Hours: 68-69

Notes:

- Students must complete all of the courses listed above with a “C or better” to receive the A.S. Degree in Accounting
- Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. Students may opt not to take Business Calculus if they know they are transferring to an institution that does not require it
- Business electives may be selected from any of the catalog listed business courses with the following prefixes: ACCT, BADM, BUSN, CMA (1750 1800 only), COSC, ECON, FIN, IMGT, MKT and MGT.
- Students should research the institution where they plan to obtain their bachelor’s degree to determine business course requirements and should choose from Western courses accordingly.

Total Credit Hours: 68-69

Accounting Certificate
CMAP 1750  SPREADSHEET APPLICATIONS:  3
ACCT 2210  ACCOUNTING INFORMATION  3
SYSTEMS:  3

BoTk 1520 = 3 credits
MATH 1400 = 4 credits

Second Semester
ENGL 2010  TECHNICAL WRITING  3
IMGT 2400  INTRODUCTION TO INFORMATION MANAGEMENT  3
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3
BUSINESS ELECTIVE  3
CMAP 1705  WORD PROCESSING APPLICATIONS:  3
COMM 1030  INTERPERSONAL COMMUNICATION  3

Business Elective: Choose from any of the following prefixes: ACCT, BADM, BUSN, ECON, FIN, MGT, and MKT
Total Credit Hours: 33-34

Business Administration

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students are provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, legal environment of business, economics, management, ethics and marketing. Skills related to the application of these concepts are developed through the study of computer simulations, communication, team building and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for continued business educational opportunities, employment opportunities in government agencies, financial institutions and large to small business or industry.

Business Administration AS Degree

Degree Requirements

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I  3
ECON 1010 MACROECONOMICS  3
MATH 1400 PRECALCULUS ALGEBRA  4
BADM 1000 INTRODUCTION TO BUSINESS  3
US GOVERNMENT  3

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II  3
ECON 1020 MICROECONOMICS  3
STAT 2010 BUSINESS STATISTICS  4
OR
STAT 2050 FUNDAMENTALS OF STATISTICS  4
COSC 1200 COMPUTER INFORMATION SYSTEMS  3
HEALTH & HUMAN ACTIVITY  3

Sophomore Year - Fall Semester
COMM 1010 PUBLIC SPEAKING  3
ACCT 2010 PRINCIPLES OF ACCOUNTING I  3
MATH 2350 BUSINESS CALCULUS I  4
OR
LAB SCIENCE  4
MKT 2100 MARKETING  3
MGT 1040 LEGAL ENVIRONMENT OF BUSINESS  3
HEALTH & HUMAN ACTIVITY  1

MATH 2350: This requirement (Business Calculus I and Business Calculus II) may be met by taking MATH 2200 and MATH 2205.

Sophomore Year - Spring Semester
MGT 2100 PRINCIPLES OF MANAGEMENT  3
ACCT 2020 PRINCIPLES OF ACCOUNTING II  3
MATH 2355 BUSINESS CALCULUS II  4
OR
IMGT 2400 INTRODUCTION TO INFORMATION MANAGEMENT  3
BUSINESS ELECTIVE  3
ELECTIVE  3
BADM 2800 BUSINESS PORTFOLIO/CAPSTONE  2

MATH 2355: This requirement (Business Calculus I and Business Calculus II) may be met by taking MATH 2200 and MATH 2205.

Notes:

• Students must complete all of the courses listed above with a “C” or better in order to receive the A.S. degree in Business Administration.

• Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. Students may opt not to take Business Calculus if they know they are transferring to an institution that does not require it.

• Business electives may be selected from any of the catalog listed business courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 1800 only), COSC, ECON, FIN, IMGT, MKT and MGT.

• Students should research the institution where they plan to obtain their bachelor’s degree to determine business course requirements and should choose from Western courses accordingly.

Total Credit Hours: 68

Computer Science

Western Wyoming Community College provides all the necessary Computer Information Systems courses to prepare students for various job opportunities and further pursue a Bachelor’s Degree in the field of Information Technology (IT). Students considering a computer science major need a strong aptitude for mathematics, and knowledge in computer systems and applications. At WWCC, students receive one-on-one attention in small classes with up-to-date computers. Students will have opportunities to design real websites working with campus or community programs. Students work in small groups, solving challenging projects with the instructor providing one-on-one assistance. WWCC provides an environment that will enhance learning by providing access to the instructor, computer systems, and applications.
Computer Information Systems AS Degree

Degree Requirements

Freshman Year - Fall Semester
ECON 1010  MACROECONOMICS  3
ENGL 1010  ENGLISH COMPOSITION I  3
MATH 1405  PRECALCULUS TRIGONOMETRY  3
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
                      HEALTH & HUMAN ACTIVITY  1
                      Total Credit Hours: 13-15

COSC 1200: Required for A.S. Degree in Computer Information Systems

Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
OR
ENGL 2010  TECHNICAL WRITING  3
ECON 1020  MICROECONOMICS  3
COSC 2409  COMPUTER SCIENCE ELECTIVE  3
LAB SCIENCE  4
HEALTH & HUMAN ACTIVITY  1
US GOVERNMENT  3
                      Total Credit Hours: 17

Computer Science Elective: Required for A.S. Degree in Computer Information Systems

Sophomore Year - Fall Semester
ACCT 2010  PRINCIPLES OF ACCOUNTING I  3
MATH 2200  CALCULUS I  5
COSC 2409  PROGRAMMING (VISUAL BASIC)  3
COSC 1010  INTRODUCTION TO COMPUTER SCIENCE I  4
COSC 1350  COMPUTER INFORMATION SYSTEMS  3
                      Total Credit Hours: 18

COSC 2409, COSC 1010, Computer Science Electives: Required for A.S. Degree in Computer Information Systems

Sophomore Year - Spring Semester
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3
MATH 2205  CALCULUS II  5
COSC 1030  COMPUTER SCIENCE I  4
COSC 2350  WEB DEVELOPMENT I  3
COSC 2800  PORTFOLIO/CAPSTONE  2
                      Total Credit Hours: 20

COSC 1030, Computer Science Electives: Required for A.S. Degree in Computer Information Systems

Web Site Development Certificate

This certificate program is designed to prepare students for entry-level and/or advanced positions in the Information Technology (IT) industry with such titles as Web Designer, Web Developer or Web Editor.

Upon completion of course work, the graduate will:

1. Understand the history, evolution and concepts of the Internet and the World Wide Web.
2. Perform basic functional operations on the World Wide Web, including browsing and searching the Web, using e-mail and advanced communication tools, and FTP (File Transfer Protocol).
3. Understand the role of the Internet, Intranets, and Internet tools in business, be able to plan, design, develop and maintain Internet Web pages using industry standard web language and authoring tools.
4. Be able to plan, design, develop, and maintain interactive dynamic Web pages containing current web scripting languages.

Required Courses

COSC 1200  COMPUTER INFORMATION SYSTEMS  3
COSC 2409  PROGRAMMING (VISUAL BASIC)  3
COSC 1350  WEB DEVELOPMENT I  3
COSC 2350  WEB DEVELOPMENT II  3
COSC 2600  COMPUTER GRAPHICS:  3
COSC 2360  WEB PAGE DYNAMICS & SCRIPTING  3
COSC 1875  DIGITAL MULTIMEDIA DESIGN:  3
                      Total Credit Hours: 18

All courses must be completed with a “C” or better to earn Web Site Development Certificate.

Note: Due to prerequisite requirements on some of the above courses, this certificate will require 2-3 semesters to complete.

Total Credit Hours: 18

Digital Design Technologies Certificate

The digital age is here. To have a competitive advantage in this area, one must be prepared to create any type of document necessary in a digital format and deploy such content in a variety of applications and media from Web sites to presentations to print and more.

This 20-credit certificate program will introduce students to the fundamentals of digital content creation. Students will gain understanding and skills in the realm of the digital world we now live in and be introduced to several content areas including digital documents, digital image development and editing, Web design and development, and moving digital content.

This certificate is also an excellent “minor” for students to include in many other disciplines, from business to art to communication to engineering to science. The certificate will teach students to create digital content for a digital world. Obtaining a certificate in Digital Design Technologies will give students an edge that others may not have - experience creating digital content and knowledge of and experience with the industry standard digital design software programs.
Upon completion of the required coursework, the student will be well-versed in the current industrial standard digital design technologies and applications. The skills learned will be of value for any discipline including business, art, education, science and more.

### First Semester
- **CMAP 1860** INTRO TO DIGITAL DESIGN TECHNOLOGIES: 3
- **CMAP 2600** COMPUTER GRAPHICS: 1-3

### Second Semester
- **CMAP 1870** DIGITAL ILLUSTRATION DESIGN: 3
- **CMAP 1855** DIGITAL PAGE LAYOUT DESIGN: 3
- **COSC 2360** WEB PAGE DYNAMICS & SCRIPTING: 3

### Third Semester
- **CMAP 1890** WWW AUTHORIZING: 1-3
- **COSC 2350** WEB DEVELOPMENT II: 3
- **CMAP 2895** DIGITAL DESIGN TECHNOLOGIES: 1

All courses must be completed with a “C” or better to earn Digital Design Technologies Certificate

**Total Credit Hours: 20**

### Marketing
Marketing impacts everyone’s life. It can be seen in the interactions we have in the workplace, the choices we have in the marketplace, and the communication that takes place in the national and international arenas. It is estimated that one-third of today’s workforce is employed in some position that is marketing related. Students who study marketing get a comprehensive view of the important dynamics in the business and communication world. The elements of the marketing mix—product, distribution, pricing and promotion—address and impact every facet of business today. Marketing majors touch on the creative dimensions of developing strong marketing efforts, and get an opportunity to learn about the fastest growing segment in business today—doing business via the Internet. They study ethics and the global marketplace. Marketing is an ideal major for those who like to be actively involved, want the ability to make a difference, and exhibit both leadership and creativity.

### Marketing AS Degree

**Degree Requirements**

#### Freshman Year - Fall Semester
- **ENGL 1010** ENGLISH COMPOSITION I: 3
- **ECON 1010** MACROECONOMICS: 3
- **MATH 1400** PRECALCULUS ALGEBRA: 4
- **BADM 1000** INTRODUCTION TO BUSINESS: 3
- **US GOVERNMENT** 3
- **HEALTH & HUMAN ACTIVITY** 1

**Freshman Year - Spring Semester
- **ENGL 1020** ENGLISH COMPOSITION II: 3
- **ENGL 2010** TECHNICAL WRITING: 3
- **ECON 2020** MICROECONOMICS: 3
- **STAT 2010** BUSINESS STATISTICS: 4

**Sophomore Year - Fall Semester
- **STAT 2050** FUNDAMENTALS OF STATISTICS: 4
- **COMM 1010** PUBLIC SPEAKING: 3
- **HEALTH & HUMAN ACTIVITY** 1

**Sophomore Year - Spring Semester
- **COSC 1200** COMPUTER INFORMATION SYSTEMS: 3
- **ACCT 2010** PRINCIPLES OF ACCOUNTING I: 3
- **MGT 1040** LEGAL ENVIRONMENT OF BUSINESS: 3
- **BUSN 2000** INTRODUCTION TO INTERNATIONAL BUSINESS: 3
- **MKT 2350** BUSINESS CALCULUS I: 4
- **MKT 1300** ADVERTISING: 3

**Sophomore Year - Fall Semester
- **BUSINESS PORTFOLIO/ CAPSTONE**

**Total Credit Hours: 68**

### Office Information Systems

The Division of Business offers courses for students interested in gaining skills to prepare for jobs in business, government, and industry. Such jobs might include typist, word processing specialist, filing clerk, administrative assistant, secretary, accounting clerk,
data entry operator, and office manager. Check with a faculty member in the Office Information Systems Department for further information.

**Computer Applications in the OIS Lab**

Many of the courses offered in the Office Information Systems (OIS) Lab are offered in a flexible, individualized format. Students can work at times that are convenient for them. Computers are available in an open lab 8 a.m. to 9 p.m. Monday – Thursday; 8 a.m. – 5 p.m. on Friday. Weekend hours are posted each semester. Office Information Systems staff are readily available to assist each student. Other courses require a combination of scheduled classroom time and flexible lab time. Check with a faculty member in the Office Information Systems Department for further information.

In flexible classes, students should plan to spend the appropriate hours of lab time per week to finish the assigned lessons. These hours may be arranged for daytime or evening hours to suit the student’s schedule and may vary from week to week. Most of the courses have weekly assignments with deadlines.

**Office Information Systems AAS Degree**

This two-year degree will prepare students for jobs in a variety of office settings. Such jobs might include administrative assistant, executive assistant, or office manager.

### Degree Requirements

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year</strong></td>
<td><strong>Sophomore Year</strong></td>
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<tr>
<td>ENGL 1010</td>
<td>ACCT 2210</td>
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<td>BOTK 1640</td>
<td>ACCOUNTING INFORMATION</td>
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<td>DATABASE APPLICATIONS:</td>
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<td>OFFICE SYSTEMS &amp; PROCEDURES</td>
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<td>BOTK 2800</td>
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<td></td>
<td>OIS PORTFOLIO/CAPSTONE</td>
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</table>

**Total Credit Hours: 64-65**

**Office Information Systems AAS Degree with emphasis in Medical Office Assistant**

Rapid changes in healthcare delivery have increased the demand for medical office assistants. Graduates of Western Wyoming Community College’s Medical Office Assistant curriculum are prepared for employment in a variety of medical and health settings. Specifically, medical office assistants are ready to assume office administrative responsibilities without direct supervision, to serve as receptionists, to provide secretarial duties and to function as nursing assistants in clinical areas. The goal of this program is to produce graduates who possess the necessary knowledge of contemporary medical office practice skills to be an efficient medical office assistant.

### Degree Requirements

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
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<tbody>
<tr>
<td>ENG 1010</td>
<td>ACCT 2200</td>
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<td>COSC 1200</td>
<td>BUSINESS MATHEMATICS</td>
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<td>COLL 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<td></td>
<td>16</td>
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</table>

All required courses must be completed with a ‘C’ or better.

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit Hours</th>
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<tbody>
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<tr>
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**Sophomore Year - Fall Semester**

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<td>PSYC 1000</td>
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**Sophomore Year - Spring Semester**

<table>
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</tbody>
</table>

All required courses must be completed with a ‘C’ or better.

**Incoming students with keyboarding skills** may, with the consent of their faculty advisor, substitute more advanced courses.

**Accounting Note:** Students may choose to take Principles of Accounting I (ACCT 2010) rather than Accounting Procedures I (BOTK 2810). Note the math and computer prerequisites for ACCT 2010.

**Online Student Note:** This degree is available online. See www.wwcc.wy.edu/academics/aas-oisonline.htm for projected online course offerings and special information regarding getting this degree online. Seek the advice of an OIS Faculty Advisor.

**Approved Electives:** Courses with the following prefixes: ACCT, BADM, BOTK, BUSN, CMAP, COSC, ECON, FIN, IMGT, MGT, MKT and MOA.
BOTK 1650, and BIOL 1010: Required courses for graduation. Must be completed with a “C” or better to earn A.A.S. degree in Office Information Systems with emphasis in Medical Office Assistant.

**Summer Semester**
- NRST 1510: NURSE ASSISTANT 4

NRST 1510: Required courses for graduation. Must be completed with a “C” or better to earn A.A.S. degree in Office Information Systems with emphasis in Medical Office Assistant.

**Sophomore Year - Fall Semester**
- BIOL 2010: HUMAN ANATOMY & PHYSIOLOGY I 4
- COMM 1030: INTERPERSONAL COMMUNICATION 3
- BOTK 1555: BASIC OFFICE SKILLS
- BOTK 2750: RECORDS & INFORMATION MANAGEMENT
- HOEC 1140: NUTRITION 3

**Spring Semester**
- BIOL 2015: HUMAN ANATOMY & PHYSIOLOGY II 4
- CMAP 1800: DATABASE APPLICATIONS: OIS/BUSINESS ELECTIVE
- BOTK 2800: OIS PORTFOLIO/CAPSTONE 2
- MOA 1500: MEDICAL OFFICE PROCEDURES 3

Total Credit Hours: 16

BIOL 2010, BOTK 1555, and BOTK 2750: Required courses for graduation. Must be completed with a “C” or better to earn A.A.S. degree in Office Information Systems with emphasis in Medical Office Assistant.

**Fall Semester**
- ENGL 1010: ENGLISH COMPOSITION I 3
- BOTK 1640: KEYBOARDING APP I 3
- BOTK 1555: BASIC OFFICE SKILLS
- BOTK 2750: RECORDS & INFORMATION MANAGEMENT
- COSC 1200: COMPUTER INFORMATION SYSTEMS 3

**Spring Semester**
- ENGL 2010: TECHNICAL WRITING 3
- CMAP 1705: WORD PROCESSING APPLICATIONS: OIS/BUSINESS ELECTIVE
- BOTK 1650: KEYBOARDING APPLICATIONS II 3
- BOTK 1520: BUSINESS MATHEMATICS 3

Note: Incoming students with keyboarding skills may, with the consent of their faculty advisor, substitute more advanced courses.

Total Credit Hours: 30

**Administrative Assistant Certificate**

**Required Courses**
- BOTK 2810: ACCOUNTING PROCEDURES I 3
  OR
- ACCT 2010: PRINCIPLES OF ACCOUNTING I 3
- BOTK 1555: BASIC OFFICE SKILLS
- COSC 1200: COMPUTER INFORMATION SYSTEMS 3
- ENGL 1010: ENGLISH COMPOSITION I 3
- BOTK 1650: KEYBOARDING APPLICATIONS II 3

Total Credit Hours: 40

**Clerk Typist Certificate**

**Fall Semester**
- ENGL 1010: ENGLISH COMPOSITION I 3
- BOTK 1650: KEYBOARDING APP II 3
- BOTK 2750: RECORDS & INFORMATION MANAGEMENT
- COSC 1200: COMPUTER INFORMATION SYSTEMS 3

Note: Incoming students with keyboarding skills may, with the consent of their faculty advisor, substitute more advanced courses.

Total Credit Hours: 15

**Spring Semester**
- ENGL 2010: TECHNICAL WRITING 3
- CMAP 1705: WORD PROCESSING APPLICATIONS: OIS/BUSINESS ELECTIVE
- BOTK 1650: KEYBOARDING APPLICATIONS II 3
- BOTK 1520: BUSINESS MATHEMATICS 3

Note: Incoming students with keyboarding skills may, with the consent of their faculty advisor, substitute more advanced courses.

Total Credit Hours: 30

**OIS Elective: OIS Approved OIS Electives for the Administrative Assistant Certificate:** Database Applications (CMAP 1800), Integrated Applications (CMAP 1905), Computer Graphics (CMAP 2600), Accounting Info Systems: (ACCT 2210), Web Development I (COSC 1350), or Introduction to Information Management (IMGT 2400).

Online Student Note: This certificate is available online. See http://www.wwcc.wy.edu/academics/aas-oisonline.htm for projected online course offerings and special information regarding this certificate online. Seek the advice of an OIS Faculty Advisor.

Total Credit Hours: 33

**Medical Office Assistant Certificate**

**Required Courses**
- BIOL 1010: GENERAL BIOLOGY 4
- HOEC 1140: NUTRITION 3
- BIOL 2010: HUMAN ANATOMY & PHYSIOLOGY I
- BIOL 2015: HUMAN ANATOMY & PHYSIOLOGY II
- PSYC 1000: GENERAL PSYCHOLOGY
- BOTK 1650: KEYBOARDING APPLICATIONS II
- BOTK 1520: BUSINESS MATHEMATICS
- HLTK 1200: MEDICAL TERMINOLOGY 2
- MOA 1500: MEDICAL OFFICE PROCEDURES 3
- NRST 1510: NURSE ASSISTANT 4
- CMAP 1905: INTEGRATED APPLICATIONS: 3
- ENGL 1010: ENGLISH COMPOSITION I 3

Total Credit Hours: 40
Education

Teachers change lives – they can open new worlds for students and inspire them to reach their goals. The education department provides courses for students that want to be teachers. Programs are offered for early childhood, elementary, and secondary teacher preparation. To enrich your experience as a prospective teacher, WWCC’s program emphasizes field experiences and practicums. These are opportunities for education majors to spend time in the public schools or preschools working with students and teachers. These experiences take place early in the education programs to help students make decisions about teaching careers and experience the real world of teaching.

Education Elementary and Early Childhood Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
MATH 1400 PRECALCULUS ALGEBRA 4
EDCI 1000 EDUCATION EXPERIENCE 2
PROSPECTIVE TCHRS
HIST 1211 US HISTORY I: TO 1865 3
OR
HIST 1221 US HISTORY II: FROM 1865 3
PSYC 1000 GENERAL PSYCHOLOGY 4
16

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
COMM 1010 PUBLIC SPEAKING 3
EDFD 1010 FIELD EXPERIENCE 2
EDFD 2451 LIFE SPAN: ADULTHOOD 1
EDCI 2440 INTRODUCTION TO CLASSROOM MANAGEMENT 1
ITEC 2360 TEACHING WITH TECHNOLOGY 3
CONTENT AREA COURSES 4
17

Sophomore Year - Fall Semester
BIOL 1003 CURRENT ISSUES IN BIOLOGY 4
EDFD 2020 FOUNDATIONS OF EDUCATION 3
EDFD 2100 EDUCATIONAL PSYCHOLOGY 3
PSYC 2300 DEVELOPMENTAL PSYCHOLOGY 3
MATH 1100 NUMBER & OPERATIONS ELEM SKILLS TCHRS
EDEL 1410 MATH FOR ELEMENTARY SCHOOL TEACHERS I
HEALTH & HUMAN ACTIVITY 1
16

Sophomore Year - Spring Semester
EDFD 2100 EDUCATIONAL PSYCHOLOGY 3
EDUC 2110 PRACTICUM IN TEACHING II 1
EDEX 2484 INTRODUCTION TO SPECIAL EDUCATION
HEALTH & HUMAN ACTIVITY 1
CONTENT AREA COURSES 4
ASSESSMENT REQUIREMENT 0-1
17-18

Total Credit Hours: 65-66

Secondary Education Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
MATH 1400 PRECALCULUS ALGEBRA 4
EDCI 1000 EDUCATION EXPERIENCE 2
PROSPECTIVE TCHRS
HIST 1211 US HISTORY I: TO 1865 3
OR
HIST 1221 US HISTORY II: FROM 1865 3
PSYC 1000 GENERAL PSYCHOLOGY 4
16

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
COMM 1010 PUBLIC SPEAKING 3
EDFD 1010 FIELD EXPERIENCE 2
EDFD 2451 LIFE SPAN: ADULTHOOD 1
EDCI 2440 INTRODUCTION TO CLASSROOM MANAGEMENT 1
ITEC 2360 TEACHING WITH TECHNOLOGY 3
CONTENT AREA COURSES 4
17

Sophomore Year - Fall Semester
BIOL 1003 CURRENT ISSUES IN BIOLOGY 4
EDFD 2020 FOUNDATIONS OF EDUCATION 3
EDFD 2100 EDUCATIONAL PSYCHOLOGY 3
PSYC 2300 DEVELOPMENTAL PSYCHOLOGY 3
CONTENT AREA COURSES 4
16

Sophomore Year - Spring Semester
EDFD 2100 EDUCATIONAL PSYCHOLOGY 3
EDUC 2110 PRACTICUM IN TEACHING II 1
EDEX 2484 INTRODUCTION TO SPECIAL EDUCATION
HEALTH & HUMAN ACTIVITY 1
CONTENT AREA COURSES 4
ASSESSMENT REQUIREMENT 0-1
17-18

Content Area Courses: Additional general education requirements will be met through Content Area Courses; See the Education Department for recommended Content Area Courses.

Total Credit Hours: 66-67
**English as a Second Language**

**English As A Second Language Certificate**

The ESL certificate is a 14 credit program designed for students to document their successful completion of a curriculum focusing on improving their English speaking and writing ability.

Recipients of the certificate must complete 14 credits from among the following courses with at least a C or better in each course. Students must take at least one course from each of the three core categories - Writing, Communication, and Reading, with additional core courses counting as electives. Core classes must account for at least 8 of the 14 credits.

### Core Courses (8 or more credits) - Writing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMDV 1502</td>
<td>ENGLISH AS A SECOND LANGUAGE</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 0950</td>
<td>BASIC ENGLISH I</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>ENGL 0955</td>
<td>BASIC ENGLISH II</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Core Courses (8 or more credits) - Communication

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMDV 1503</td>
<td>NON-NATIVE CONVERSATION</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 0550</td>
<td>U.S. CULTURE/COMMUNICATION</td>
<td>2</td>
</tr>
<tr>
<td>BAS 0960</td>
<td>NON-NATIVE LISTENING</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
<td>3</td>
</tr>
</tbody>
</table>

### Core Courses (8 or more credits) - Reading

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAS 0910</td>
<td>NON-NATIVE READING</td>
<td>2</td>
</tr>
<tr>
<td>BAS 0950</td>
<td>READING SKILLS</td>
<td>1</td>
</tr>
<tr>
<td>HMDV 1000</td>
<td>COLLEGE STUDIES</td>
<td>2</td>
</tr>
<tr>
<td>HMDV 1100</td>
<td>SPEED READING</td>
<td>1</td>
</tr>
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</table>

### Electives (6 or fewer credits) - Higher Level Writing Course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>ENGL 1111</td>
<td>ADVANCED COMPOSITION</td>
</tr>
<tr>
<td>OR</td>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
</tr>
</tbody>
</table>

### Electives (6 or fewer credits) - Grammar Course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAS 0630</td>
<td>GRAMMAR SKILLS</td>
<td>1</td>
</tr>
</tbody>
</table>

### Electives (6 or fewer credits) - Vocabulary Course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAS 0950</td>
<td>NON-NATIVE VOCABULARY</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td>HMDV 1110</td>
<td>COLLEGE VOCABULARY</td>
</tr>
<tr>
<td>BAS 0620</td>
<td>WRITING SKILLS</td>
<td>1</td>
</tr>
</tbody>
</table>

### International Business, English as a Second Language Certificate

In combining both programs, the International Business/ESL certificate provides a required set of 15 credits, and 16-17 elective credits (totaling 31-32 credits). This certificate documents completion of a curriculum that improves English speaking and writing ability and provides at least an intermediate level of English skill, as well as a program of study that includes Business course content and vocabulary, and advanced business and technological equipment skills.

### Required Courses – Fifteen (15 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMDV 1502</td>
<td>ENGLISH AS A SECOND LANGUAGE</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>HMDV 1502</td>
<td>3 CREDITS HIGH-LEVEL WRITING</td>
</tr>
<tr>
<td>OR</td>
<td>HMDV 1503</td>
<td>NON-NATIVE CONVERSATION</td>
</tr>
<tr>
<td>OR</td>
<td>BUSN 2000</td>
<td>INTRODUCTION TO INTERNATIONAL BUSINESS</td>
</tr>
<tr>
<td>OR</td>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS</td>
</tr>
</tbody>
</table>

### Electives – Seven to eight (7-8) credits from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAS 0910</td>
<td>NON-NATIVE READING</td>
<td>2</td>
</tr>
<tr>
<td>BAS 0950</td>
<td>NON-NATIVE VOCABULARY</td>
<td>2</td>
</tr>
<tr>
<td>BAS 0960</td>
<td>NON-NATIVE LISTENING</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 0550</td>
<td>U.S. CULTURE/COMMUNICATION</td>
<td>2</td>
</tr>
<tr>
<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2310</td>
<td>INTRO TO INTERNATIONAL RELATIONS</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>3 CREDITS HIGH-LEVEL WRITING</td>
<td>3</td>
</tr>
</tbody>
</table>

### Business Electives – Nine (9) credits from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>MGT 1000</td>
<td>INTRODUCTION TO SUPERVISION</td>
<td>3</td>
</tr>
<tr>
<td>MKT 1300</td>
<td>ADVERTISING</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1555</td>
<td>BASIC OFFICE SKILLS</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1520</td>
<td>BUSINESS MATHEMATICS</td>
<td>3</td>
</tr>
<tr>
<td>MKT 2100</td>
<td>MARKETING</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2100</td>
<td>PRINCIPLES OF MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours: 31-32**
Health Sciences
(Including Nursing, Pre-Professional, Exercise Science)

Health Sciences and Pre-Professional Programs
Health Sciences offers programs of study in nursing, practical nursing, nursing assistant, and pre-professional careers. Students may receive a certificate and/or Associate Degree after completing the necessary credits required by each individual program and college for graduation.

Enrollment in the Nursing programs are limited in numbers and is consistent with accrediting agency requirements. The admission requirements for the Nursing Program is listed along with suggested program of study. Nursing program opportunities are available in select outreach sites.

Pre-professional programs in radiology, dental hygiene, dentistry, medicine, pharmacy, and physical therapy are also offered. Students may begin these programs at Western and then transfer to another institution. Students are encouraged to contact those institutions for transfer information.

Nursing Program - Nurse Assistant Course
This four credit course (NRST 1510) prepares a person to work as an assistant to, and under the supervision of licensed nursing personnel with an emphasis on the elderly client. The course includes basic nursing assistant principles, as well as practice and demonstration of skills related to client care. Students’ time will be divided between theory, laboratory time, and supervised clinical experience. Current immunizations, TB Skin Test, Tdap and Health Care Provider CPR certification are necessary to attend clinical.

Additional information is available on costs of the course, certification, and job opportunities from the nursing department. A limited number of students are admitted into the course on a “space available” basis until the class is filled.

Satisfactory completion of the course entitles the student to take a competency exam to become “Certified” in the State of Wyoming. Certification is necessary for employment as a nursing assistant in Wyoming.

Practical Nursing Program (Outreach)
The Outreach Nursing Department provides information to all students who express an interest in the program. In addition to the regular college admission requirements, prospective nursing students must meet applicant requirements of the Practical Nursing program to be considered for admission. Admission into the program is granted only in the fall semester.

To apply for the Practical Nursing program:
• Complete WWCC admissions process. Receive acceptance to the college.
• Submit a completed nursing application form directly to the Outreach Nursing Department in Evanston by application deadline.
• Achieve a grade point average of 2.5 or higher on a 4.0 scale from prerequisite courses (General Biology, Human Anatomy & Physiology I and II, General Psychology, English Composition I, Problem Solving or higher. Nurse Assistant course not included in GPA.) Prerequisite courses must be completed with C or better.
• Take the TEAS®-V entrance test. The Test of Essential Academic Skills (TEAS®) measures basic essential skills in the academic content area domains of reading, mathematics, science, and language usage. TEAS®-V study manual may be purchased through the WWCC Bookstore (307-382-1673).

Prior to starting Nursing I you must:
• Provide evidence of a nurse assistant course. Students may take in the summer for fall admission.

Admission Criteria:
• TEAS®-V Pre-entrance test - Adjusted Individual Total score
• GPA will be based on prerequisite courses completed by the end of spring semester for fall admission. Nurse Assistant course not included in GPA.
• One (1) additional point will be granted if applicant has successfully completed COSC 1200 Computer Information Systems or CMAP 1905 Integrated Applications by the end of spring semester for fall admission.

Admission Process:
Students are notified in writing of admission criteria and application deadlines. Admission into the nursing program is competitive and based on the cumulative score of points the applicant receives for grade point average, TEAS®-V Adjusted Individual Total score, and required computer course completed. Grade point average and TEAS®-V Adjusted Individual Total score account for the majority of the total points. Qualified applicants with the highest points are admitted into the nursing program on a space available basis.

Applicants will be notified in writing of the results of the admission process. Qualified applicants who have not been admitted are ranked (according to cumulative points) and placed on an alternate list. If positions become available to accommodate additional eligible applicants, those on the alternate list will be notified. Applicants not admitted must reapply for the next year. Re-applicants will be subject to the same scrutiny and consideration as an initial applicant. Applicants who are admitted but decline entrance into the program must re-apply.

Practical Nursing Outreach Certificate
Pre-Requisites
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2010</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY II</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
<td>3</td>
</tr>
</tbody>
</table>

22

Math 1000: or higher
Nurse Assistant course

Program Coursework - Fall Semester
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NRST 1555</td>
<td>PN NURSING I</td>
<td>10</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMAP 1905</td>
<td>INTEGRATED APPLICATIONS:</td>
<td>3</td>
</tr>
</tbody>
</table>

13

Program Coursework - Spring Semester
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRST 1565</td>
<td>PN NURSING II</td>
<td>10</td>
</tr>
</tbody>
</table>

10

Program Coursework - Summer Semester
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRST 1575</td>
<td>PN NURSING III</td>
<td>3</td>
</tr>
</tbody>
</table>

PN Nursing courses available only at specific Outreach sites.
All above courses must be completed with a "C" or better to earn the Certificate in Practical Nursing.

All prerequisite courses (except Nurse Assistant) must be completed by the end of the Spring semester prior to fall admission.

Students must be admitted to the program in order to enroll in Practical Nursing courses.

The Nurse Assistant course can be completed during the semester before beginning nursing courses. Students may take in summer for fall admission.

**Total Credit Hours: 45**

### Associate Degree in Nursing Program

Western Wyoming Community College offers a three-year program (6 or 7 semesters) leading to an Associate Degree in Nursing. Successful completion of the program allows the graduate to take the National Council Licensure examination for registered nursing (NCLEX-RN). Upon licensure, the AD nurse practices in settings where policies and procedures are specified and guidance is available. The goal of Western Wyoming Community College is to prepare nurses who will competently practice the art and science of nursing. The art and science of nursing are accomplished by utilizing the six goals of the nursing program. The six goals of the nursing program are to: communicate competently, see issues from multiple perspectives, develop life skills, solve problems, retrieve information, and apply therapeutic nursing interventions. The curriculum is organized around these six goals to help the student manage an ever expanding body of knowledge. The curriculum content and clinical opportunities are leveled from basic to complex with each semester lending breadth and depth to the next. The practice of associate degree nursing applies to persons with common, predictable problems, or persons with complex health problems. The AD nurse provides care to persons to maximize health potential.

The faculty has developed a learning environment that fosters interaction between the students and faculty. Because nursing practice is ever changing, the faculty emphasizes the process of learning versus memorization to obtain competence. Students are given opportunities to learn and to practice nursing in special learning laboratories and in a variety of settings where people need nursing care.

### Outreach Opportunities for Associate Degree in Nursing

Western Wyoming Community College serves a significant number of students who live outside of the Rock Springs and Green River area. In an effort to meet the needs of all students, the nursing department provides information to all students who express an interest in the program. In addition to the regular college admission requirements, prospective nursing students must meet admission requirements of the nursing program to be considered for admission. Admission into the program is granted only in the fall semester. Interested applicants should contact the Nursing Department for specific requirements.

### Associate Degree in Nursing Admission

**To apply for the nursing program:**

- Complete WWCC admissions process. Receive acceptance to the college.
- Submit a completed nursing application form directly to the nursing department by application deadline. Application packet available January-March.
- Achieve a grade point average of 2.5 or higher on a 4.0 scale from prerequisite courses. (Nurse Assistant course not included in GPA).
- Complete prerequisite courses with a “C” or better.
- Take the TEAS®-V entrance test. The Test of Essential Academic Skills (TEAS®) measures basic essential skills in the academic content area domains of reading, mathematics, science, and English/language usage. TEAS®-V study manual may be purchased through the WWCC Bookstore (307-382-1673).

**Prior to starting Nursing I you must:**

- Provide evidence of a nurse assistant course. Students may take in the summer for fall admission.

### Admission Criteria:

- TEAS®-V entrance test - Adjusted Individual Total score
- Grade point average - prerequisite courses
- Completed required general education courses - 1 point for each course

* Applicants are encouraged to contact a nursing advisor periodically to ensure the appropriate classes are taken and to communicate program changes.

* If applicant does not have a social security number, he/she may not qualify to meet program requirements.

### Admission Process:

Students are notified in writing of admission criteria and application deadlines. Admission into the nursing program is competitive and based on the cumulative score of points the applicant receives for grade point average from prerequisites, TEAS®-V Adjusted Individual Total score, and the completed required general education courses. Grade point average from prerequisites and TEAS®-V Adjusted Individual Total score account for the majority of the total points. Qualified applicants with the highest points are admitted into the nursing program on a space available basis. Applicants will be notified in writing of the results of the admission process. Qualified applicants who have not been admitted are ranked (according to cumulative points) and placed on an alternate list. If positions become available to accommodate additional eligible applicants, those on the alternate list will be notified. Applicants not admitted must re-apply for the next year. Re-applicants will be subject to the same scrutiny and consideration as
an initial applicant. Applicants who are admitted but decline entrance into the program must re-apply.

**Advanced Placement Admission**
Graduates of practical nursing programs may apply to enter the second year of the nursing program as advanced placement students, based on space availability if requirements are met. The nursing department provides information to all students who express an interest in the program. In addition to the regular college admission requirements, prospective nursing students must meet applicant requirements of the nursing program to be considered for admission. Admission into the program is granted only in the fall semester.

**To apply for the Nursing Program:**
1. Complete WWCC admissions process. Receive acceptance to the college.
2. Submit a completed nursing application form directly to the nursing department by application deadline. Application packet available February - April.
3. Be a graduate of a practical nursing program with transferrable credit. Graduates from vocational, technical, or other programs with non-transferrable credits must take the Nursing I and Nursing II finals and pass with a “C” or better. The grade earned on each final will be the grade earned for each nursing course and will be calculated into the grade point average. License of LPN (licensed practical nurse) must be unencumbered.
4. Achieve a grade point average of 2.5 or higher on a 4.0 scale for prerequisite and nursing courses required to earn the Practical Nursing (PN) certificate. (Nurse assistant course not included in GPA.)
5. Complete prerequisite and nursing courses with a “C” or better.
6. Take the LPN STEP Test. Result must be at or above the national mean on the Adjusted Individual Total Score to qualify.

**Admission Criteria:**
- LPN STEP Test - Adjusted Individual Total Score
- Grade Point Average - prerequisite and nursing courses
- Complete required general education courses - 1 point for each course

Applicants are encouraged to contact a nursing advisor periodically to ensure the appropriate classes are taken and to communicate program changes.

**Admission Process:**
Students are notified in writing of admission criteria and application deadlines. Admission into the nursing program is competitive and based on the cumulative score of points the applicant receives for grade point average from prerequisite and nursing courses, LPN STEP test, and completed required general education courses. Qualified applicants with the highest points are admitted into the nursing program on a space available basis. Applicants will be notified in writing of the results of the admission process. Qualified applicants who have not been admitted are ranked (according to cumulative points) and placed on an alternate list. If positions become available to accommodate additional eligible applicants, those on the alternate list will be notified. Applicants not admitted must re-apply for the next year. Re-applicants will be subject to the same scrutiny and consideration as an initial applicant. Applicants who are admitted but decline entrance into the program must re-apply.

**Transfer Student Admission**
Transfer students admission is based on space availability if requirements have been met. Nursing courses already completed must be comparable to WWCC nursing courses. The nursing department provides information to all students who express an interest in the program. In addition to the regular college admission requirements, prospective nursing students must meet applicant requirements of the nursing program to be considered for admission. Interested applicants should contact the Nursing Department for specific requirements.

**To apply for the Nursing Program:**
- Complete WWCC admissions process. Receive acceptance to the college.
- Achieve a grade point average of 2.5 or higher on a 4.0 scale from prerequisite and nursing courses. (Nurse assistant course not included in GPA)
- Complete prerequisite courses with a “C” or better.

**Admission Criteria:**
- Transfer student admission is based on space availability if requirements have been met. Nursing courses already completed must be comparable to WWCC nursing courses.
- Transfer students may be required to demonstrate abilities via academic testing or proficiency demonstration. Students who are not successful must reapply the following year.

Applicants are encouraged to contact a nursing advisor periodically to ensure the appropriate classes are taken and to communicate program changes.

**Admission Process:**
Applicants must meet all admission criteria prior to the beginning of the semester for which they are applying. Applicants will be notified in writing of the results of the admission process. Applicants who are admitted but decline entrance into the program must re-apply.

**Progression**
A grade of “C” or better must be maintained in all nursing courses in order for a student to progress from one semester to the next. A student receiving a semester grade of “D” or “F” in any of the required general education courses must retake the course and earn a “C” or better. Students must meet program exit exam policy to sit for NCLEX.

**Career Mobility**
The AD Nursing Program is a three-year (6 or 7 semester) program leading to an Associate Degree in Nursing. Students who meet the requirements for progression may complete the program for the associate degree. Those students are then eligible to take the NCLEX-RN examination to become registered nurses. Graduates of a practical nursing program who would like to further their nursing education may apply to enter the second year of the nursing program when requirements are met. Students earning an Associate Degree in Nursing have the opportunity to earn a Bachelor’s Degree or Master’s Degree in Nursing through four-year institutions RN-BSN Completion or AD to Master’s programs. Students should contact the four year institution offering the degree.

**Expenses**
Students in the nursing program will incur certain expenses, including the cost of clinical apparel, lab fees, and testing fees, in addition to the student expenses listed by the college. Clinical learning experiences are held in a variety of agencies, including out of town experiences, so travel expenses will be incurred.

**Financial Assistance**
In addition to the financial aid available to all university students, special awards and funds may be available to qualified nursing
A student who fails to meet the above clinical requirements may be dismissed from the program.

The program is approved by the Wyoming State Board of Nursing. State of Wyoming, State Board of Nursing
1810 Pioneer Ave
Cheyenne, WY 82001
Phone: 307-777-7601

**Nursing Associate Degree**

**Prerequisites**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>BIOL 1010</td>
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</tr>
<tr>
<td>BIOL 2010</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
<td>4</td>
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<tr>
<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY II</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
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</tr>
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<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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</tr>
<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
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</table>

MATH 1000: or higher

Nurse Assistant course

The only course that can be taken in the summer prior to admission is Nurse Assistant. All other prerequisites must be completed by the end of the Spring semester.

**First Year - Fall Semester**

<table>
<thead>
<tr>
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<th>Credits</th>
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<td>COSC 1200</td>
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**First Year - Spring Semester**

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<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II OR</td>
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<td>ENGL 1111</td>
<td>ADVANCED COMPOSITION OR</td>
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**Second Year - Fall Semester**

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<td>NURSING III</td>
<td>10</td>
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<tr>
<td>SOC 1000</td>
<td>SOCIOCY PRINCIPLES</td>
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<tr>
<td>ANTH 1200</td>
<td>INTRO TO CULTURAL ANTH OR</td>
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<td>OR</td>
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**Second Year - Spring Semester**

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<td>NRST 2640</td>
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<td>ADVANCED COMPOSITION OR</td>
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<tr>
<td>SOC 1000</td>
<td>SOCIOLICAL PRINCIPLES</td>
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</tr>
<tr>
<td>OR</td>
<td>ASSESSMENT REQUIREMENT</td>
<td>0-1</td>
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</tbody>
</table>

All above courses must be completed with a “C” or better to earn Associate Degree in Nursing.

All general education courses may be taken prior to admission into the nursing program.

General education courses taken while in nursing program must be taken evenings, Internet or other asynchronous format.

Students must be admitted to the program to enroll in nursing courses.

**Total Credit Hours: 72-73**

**Radiologic Technology**

Western Wyoming Community College and Weber State University have entered into an articulation agreement which allows students interested in pursuing a degree in Radiologic Technology to take their prerequisite courses at Western and then complete the radiology courses through Weber. This program and study is equivalent in course content to the on-campus program at Weber. Weber’s outreach program allows students who are site bound an opportunity to complete the radiologic technology program. These students may continue to live in their own community and work on their degree. Students are required to travel to Weber once a month and are required to travel to various hospitals for clinical instruction. Students should apply to Weber early in their matriculation at WWCC and be assigned to a Weber advisor to make sure that they remain on track as they complete the WWCC coursework. Radiologic Technology is an applied skill and science pertaining to the various types of ionizing radiation used in both the diagnostic and therapy fields. A Registered Technologist is qualified to work in public hospitals, clinics, and doctors’ offices. In addition, jobs are available as technical sales representatives for x-ray equipment and supply companies and in industrial applications. The Technologist’s duties generally include making x-ray exposures, aiding the radiologist during fluoroscopy, processing films, assisting in special procedures, and transporting patients to and from x-ray.
Pre-Radiology AS Degree

Suggested Program

Courses offered at WWCC that will fulfill the prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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</thead>
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<td>English Composition I</td>
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<tr>
<td>BIOL 2010</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
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<tr>
<td>ENGL 1020</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 2015</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 0930</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1000</td>
<td>General Psychology</td>
<td>4</td>
</tr>
<tr>
<td>COMM 1030</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1010</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional general education courses offered at WWCC for B.S. in Radiography:

- US Government: 3
- EDFD 2451: Life Span: Adulthood: 1
- PHYS 1050: Concepts of Physics: 4
- PSYC 2300: Developmental Psychology: 3
- COSC 1200: Computer Information Systems: 3
- ANTH 1200: Intro to Cultural Anth: 3
- HOEC 1140: Nutrition: 3
- MOLB 2210: General Microbiology: 4
- MATH 1400: Precalculus Algebra: 4
- OR
- STAT 2050: Fundamentals of Statistics: 4
- APPLIED ARTS ELECTIVE: 3
- CHEM 1000: Introductory Chemistry: 4
- SPANISH: 4
- PHLB 1800: Principles of Phlebotomy: 3
- PHLB 1970: Phlebotomy Practicum: 3

*Students planning to go beyond an AAS should take MATH 1400.

Admission Procedures to Complete the Radiologic Technology Program at Weber State

1. Apply for admission to Weber State University and be admitted as a matriculated student.
2. Complete the radiologic technology program application procedures as outlined on the program application. This should be accomplished by January 10 of the year in which the student wishes to enter the program.
3. Submit high school and/or college transcripts. Those who have completed less than 45 credit hours (30 semester hours) from Western must submit their high school record and ACT scores. For those who have completed the 45 credits but have less than an associate degree, their application will be reviewed based upon their cumulative grade point average.
4. Pay the application fee for Weber State University.
5. Pay the application fee for the College of Health Professions.
6. Complete all of the prerequisite courses listed with a minimum GPA of 2.00.
7. See the current Weber State University Catalog for specific Associate of Applied Science degree requirements.

B.S. in Radiography at Weber State University

Class size in the program is limited and selection of students for the professional program (sophomore and junior years) is on a competitive basis. Students with a G.P.A. below 2.75 will not be considered due to state board requirements.

Dental Hygiene

The Sheridan College Program in Cooperation with Western Wyoming Community College

The Sheridan College program is fully approved by the Commission on Dental Accreditation. It is unique in that an initial year of specified general coursework, taken at Western Wyoming Community College, Sheridan College, or any other accredited college or university, followed by two years of intensive clinical study and practice at Sheridan College will lead to the Applied Associate Degree and eligibility for licensure. The student may elect to continue for a B.S. degree in an alternative dental hygiene career track. The employment opportunities offered to the student through these career options are limited only by the student’s own abilities and aspirations.

Admission to the Program

(All prospective dental hygiene students are encouraged to contact Sheridan College as soon as possible.)

During the freshman year formal application must be made to enter the professional clinical portion of the dental hygiene curriculum at Sheridan College. The completed application and all supplementary information required (including latest transcripts) must be received at the College by March 14 of the year of entry into the professional program. Applications will include the following: online application to Sheridan College, online Dental Hygiene admissions application, official transcripts from all colleges and high schools attended and completion of the HOBET Exam with a score of 75. (Contact Sheridan College for information.)

Note: Under certain circumstances, it may be impossible to complete all of the freshman year classes listed prior to application to the sophomore year of the program. Students in this situation may elect to postpone a maximum of seven semester credit hours coursework in any of the following courses only: Intro. to Public Speaking, General Psychology, Sociology, ENGL 1010 and 1020, or mathematics - without jeopardizing the possibility of admission into the sophomore year. It will be the STUDENT’S RESPONSIBILITY to complete ALL required courses before graduation from the program, however.

Pre-Dental Hygiene

Suggested Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>English Composition I</td>
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<tr>
<td>BIOL 1010</td>
<td>General Biology</td>
<td>3-4</td>
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<tr>
<td>BIOL 2010</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1000</td>
<td>Introductory Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 1200</td>
<td>Intro to Cultural Anth</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020</td>
<td>English Composition II</td>
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</tr>
<tr>
<td>OR</td>
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<td></td>
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<tr>
<td>ENGL 2010</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1000</td>
<td>General Psychology</td>
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<tr>
<td>BIOL 2015</td>
<td>Human Anatomy &amp; Physiology II</td>
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<tr>
<td>MOLB 2210</td>
<td>General Microbiology</td>
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<tr>
<td>COMM 1010</td>
<td>Public Speaking</td>
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<tr>
<td>OR</td>
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<tr>
<td>COMM 1030</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>HOEC 1140</td>
<td>Nutrition</td>
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</table>

College Level Math: See advisor for specific requirements

CHEM 1000: See advisor before enrolling
Pre-Health Sciences

Pre-Health Programs AS Degrees

- Pre-Dentistry
- Pre-Medicine
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary Medicine

The suggested courses in these programs can vary, depending on the college to which a student will transfer to complete their undergraduate education. It will also vary according to the chosen major. Most colleges today do not have a “pre-med” major, for example. Students can choose from a variety of majors (biology, physiology, and chemistry are three common choices). Students are encouraged to check the catalogs of the transfer institutions in which they are interested, and adjust their course choices accordingly. The following curricula should cover the vast majority of situations students will encounter.

Suggested Program

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 1010</td>
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<td>GENERAL CHEMISTRY I</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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MATH 1400: or higher

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<tr>
<td>BIOL 2022</td>
<td>ANIMAL BIOLOGY</td>
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<tr>
<td>CHEM 1030</td>
<td>GENERAL CHEMISTRY II</td>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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<td>MATH 1405</td>
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Sophomore Year - Fall Semester

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<tr>
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<td>PLANT AND FUNGAL BIOLOGY</td>
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<tr>
<td>CHEM 2320</td>
<td>ORGANIC CHEMISTRY I</td>
<td>4</td>
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<td>PHYS 1110</td>
<td>GENERAL PHYSICS I</td>
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<td>COMPUTER COURSE</td>
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<td>SOCIAL SCI/HUMANITIES/APPL ARTS</td>
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PHYS 1110: or elective

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<td>CHEM 2320</td>
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<td>PHYS 1110</td>
<td>GENERAL PHYSICS I</td>
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PHYS 1120: or elective

Total Credit Hours: 50-55

Nursing Transfer Emphasis AS Degree

Suggested Program

Freshman Year - Fall Semester

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<td>SOC 1000</td>
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<td>ANTH 1200</td>
<td>INTROTO CULTURAL ANTH</td>
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</table>

Total Credit Hours: 67-69

Exercise Science/Fitness Leadership

These two programs are recommended for students interested in a career in exercise science, physical therapy, personal training, athletic training, sports medicine, and related fields. Western offers two options: the two-year A.S. degree in Exercise Science or the certificate in Fitness Leadership. With the two-year degree, students will have the foundation to transfer to various four-year programs in exercise science and related fields. With the certificate, students will have the basic skills to work in fitness centers, recreation centers, and health clubs as a personal trainer.

These programs will challenge students to learn the theory in the classroom and apply it to solve real problems with real clients. The classroom courses provide a solid knowledge base of human anatomy, physiology, chemistry, and biomechanics of human movement. In addition, the program includes “hands-on” courses that will challenge students to apply that knowledge base to real clients with real problems, such as fitness leadership, exercise physiology, personal training exam preparation, and hands-on internships.

Fall Semester

<table>
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<th>Credits</th>
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Sophomore Year - Fall Semester

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<td>GENERAL MICROBIOLOGY</td>
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<tr>
<td>STAT 2050</td>
<td>FUNDAMENTALS OF STATISTICS</td>
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<td>STAT 2070</td>
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Total Credit Hours: 67-69

Fall Semester

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</tbody>
</table>

Engage in hands-on learning that will challenge students to apply that knowledge base to real clients with real problems.
Exercise Science AS Degree

This program will provide the foundation to transfer to various four-year programs in exercise science and related fields. For students who already have a four-year degree, this two-year program provides an area of concentration in exercise science that enhances your marketability in various fitness and wellness occupations and prepares you to take national fitness certification exams.

Degree Requirements

Freshman Year - Fall Semester

- ENGL 1010 ENGLISH COMPOSITION I 3
- PEPR 2130 FITNESS LEADERSHIP TRAINING I 3
- PEAC 2005 PERSONALIZED FITNESS I 2
- BIOL 1010 GENERAL BIOLOGY 4
- COSC 1200 COMPUTER INFORMATION SYSTEMS 3
- PEPR 1120 TEACHING FREE WEIGHT TRAINING 1
- PEPR 2470 BEGINNING EXERCISE SCIENCE 1-2

Freshman Year - Spring Semester

- ENGL 1020 ENGLISH COMPOSITION II 3
- PEPR 2230 FITNESS LEADERSHIP TRAINING II 3
- PEAC 2006 PERSONALIZED FITNESS II 3
- MATH 1400 PRECALCULUS ALGEBRA 4
- HOEC 1140 NUTRITION 3
- HLED 1225 FIRST AID AND CPR 2
- PEPR 2470 BEGINNING EXERCISE SCIENCE 1-2

Sophomore Year - Fall Semester

- US GOVERNMENT 3
- BIOL 2010 HUMAN ANATOMY & PHYSIOLOGY I 4
- CHEM 1000 INTRODUCTORY CHEMISTRY 4
- PSYC 1000 GENERAL PSYCHOLOGY 4
- OR
- HLED 1003 WELLNESS 3
- PEPR 2471 ADVANCED EXERCISE SCIENCE 1-2

Freshman Year - Spring Semester

- PEPR 2230, HOEC 1140, and HLED 1225: These courses are required to receive an A.S. Degree in Exercise Science
- MATH 1400: Or other college level math course

Recommended electives: Ethics, outdoor courses, business courses, physical education activities, Psychology of Adjustment, communication courses. Students transferring to UW and majoring in Kinesiology are encouraged to also take Physics and Statistics.

Total Credit Hours: 67-74

Fitness Leadership Certificate

In this program students will learn the necessary skills to become a certified fitness leader and to take national certification exams, such as those offered by the American Council on Exercise (ACE) and the National Strength and Conditioning Association (NSCA). These exams are offered regularly in Salt Lake City and Denver. Students will also enjoy the personal benefits of this program. Through courses in nutrition, wellness, fitness leadership, and various exercise classes, personal diet and fitness levels will improve. In addition to classroom instruction, the program gives hands-on experience in fitness centers, schools, hospitals, or clinics. This is an exciting and friendly program where students will be applying the knowledge they learn in the classroom in the real world, with real people.

Required Courses

- BIOL 1010 GENERAL BIOLOGY 4
- BIOL 2010 HUMAN ANATOMY & PHYSIOLOGY I 4
- BIOL 2015 HUMAN ANATOMY & PHYSIOLOGY II 4
- HOEC 1140 NUTRITION 3
- PEAC 2005 PERSONALIZED FITNESS I 2
- PEPR 1120 TEACHING FREE WEIGHT TRAINING 1
- PEPR 2120 INTRO TO EXERCISE PHYSIOLOGY 4
- PEPR 2130 FITNESS LEADERSHIP TRAINING I 3
- PEPR 2230 FITNESS LEADERSHIP TRAINING II 3
- PEPR 2470 BEGINNING EXERCISE SCIENCE 1-2

Recommended electives: Ethics, outdoor courses, business courses, physical education activities, Psychology of Adjustment, communication courses. Students transferring to UW and majoring in Kinesiology are encouraged to also take Physics and Statistics.

Business course options: Any course from departments of BADM, BUSN, MGT, or MKT

Communication course options: Public Speaking (COMM 1010), Interpersonal Communication (COMM 1030), or Conflict Management Mediation (COMM 1050)
Humanities

Humanities can be the core of a general studies program and is designed for the individual who is interested in earning a Bachelor of Arts Degree at a four-year institution. Humanities view people in their creative context through literature, languages, theatre, music, art, journalism, and speech. Students will be offered many avenues for discovering your creativity such as editing and reporting and creative writing. Such study is rich in value for the individual involved in growing and developing into a fully functional human being.

The area of Humanities offers courses in journalism, communication, Spanish, literature, Western American Studies, Creative Writing and English. These courses provide preparation for jobs in business, industry, government, law and teaching and provide the opportunity for better understanding of the ideas and institutions of civilization.

Students take courses in these fields for a variety of reasons:

1. They may wish to complete the required hours of humanities.
2. They may wish to transfer to a four-year college and major in journalism, art, music, communication, theatre, foreign languages, literature and English.
3. They may wish to broaden their college experience or to take these courses because they are interested in the subject matter.

Suggested programs in each of the following areas of emphasis are offered as general guidelines. Each student’s program will be mutually devised by the student and the student’s advisor to fit individual needs and abilities. Transfer students should consult the catalog of the transfer school of their choice for comparison.

Communication Emphasis AA Degree

Suggested Program

<table>
<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010 ENGLISH COMPOSITION I</td>
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<td>US GOVERNMENT</td>
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<td>COMM 1010 PUBLIC SPEAKING</td>
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<td>COMPUTER COURSE</td>
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<tr>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1020 ENGLISH COMPOSITION II</td>
</tr>
<tr>
<td>COMM 1040 INTRO TO HUMAN COMMUNICATION</td>
</tr>
<tr>
<td>MATH 1000 PROBLEM SOLVING</td>
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<tr>
<td>COMM 1030 INTERPERSONAL COMMUNICATION</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<td>ELECTIVE</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall Semester</th>
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</thead>
<tbody>
<tr>
<td>COMM 1000 INTRODUCTION TO MASS MEDIA</td>
</tr>
<tr>
<td>FOREIGN LANGUAGE</td>
</tr>
<tr>
<td>COMM 1370 PUBLICATIONS PRODUCTION I</td>
</tr>
<tr>
<td>SOCIAL SCIENCE</td>
</tr>
</tbody>
</table>

Electives: Students are encouraged to choose electives, which reflect their interests in the following areas: theatre, English/writing, business and marketing, psychology, political science, art, and anthropology.

Total Credit Hours: 65-68

Creative Writing Certificate

The Creative Writing certificate is a 14 credit program for students to experience a wide range of creative writing genres, develop and improve as a writer, and feel confident in transferring to a university level creative writing program. Through workshop methodology, studying professional writers, and doing exercises, poems, stories, and essays, students will become well-rounded writers and readers of literature.

Required courses (2 credits)

| ENGL 2091 CREATIVE WRITING: PUBLISHING |
| YOUR WORK |
| **Total Credit Hours: 12** |

(Topics vary by term. May be taken up to three times)

Total Credit Hours: 14

English Emphasis AA Degree

Suggested Program

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<tr>
<td>ENGL 1010 ENGLISH COMPOSITION I</td>
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<tbody>
<tr>
<td>ENGL 2310 AMERICAN LITERATURE I</td>
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<tr>
<td>OR</td>
</tr>
<tr>
<td>ENGL 2320 AMERICAN LITERATURE II</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>ENGL 1020 ENGLISH COMPOSITION II</td>
</tr>
<tr>
<td>OR</td>
</tr>
</tbody>
</table>

Total Credit Hours: 65-68
### Journalism Emphasis AA Degree

#### Suggested Program

**Freshman Year - Fall Semester**
- **COMM 1000** INTRODUCTION TO MASS MEDIA 3
- **ENGL 1010** ENGLISH COMPOSITION I 3
- **SPAN 1010** FIRST YEAR SPANISH I 4
- **COMM 1370** PUBLICATIONS PRODUCTION I 1-3

**Freshman Year - Spring Semester**
- **ENGL 1020** ENGLISH COMPOSITION II 3
- **ENGL 2010** TECHNICAL WRITING 3
- **ENGL 1111** ADVANCED COMPOSITION 3
- **COMM 1040** INTRODUCTION TO HUMAN COMMUNICATION 3
- **COMM 2300** GRAPHIC DESIGN I 3

**Sophomore Year - Fall Semester**
- **COMM 2100** REPORTING & NEWSWRITING I 3
- **COMM 2270** PUBLIC RELATIONS 3
- **COMM 2375** PUBLICATIONS PRODUCTION IV 1-3
- **ELECTIVES** 6

**Sophomore Year - Spring Semester**
- **COMM 2100** REPORTING & NEWSWRITING I 3
- **COMM 2270** PUBLIC RELATIONS 3
- **COMM 2375** PUBLICATIONS PRODUCTION IV 1-3
- **ELECTIVES** 6

**Total Credit Hours: 64-65**

### Journalism Certificate

The Journalism certificate is a 15 credit program of study designed to provide job skills necessary to quickly enter, remain in, or advance in specific sectors of the journalism work force in not only Wyoming, but regionally. Courses allow students to learn basic news reporting and writing skills, journalism history and ethics, and media literacy concepts for those entering the professional fields as news and public relations professionals.

#### Required Core Courses:
- **ENGL 1010** ENGLISH COMPOSITION I 3
- **COMM 1000** INTRODUCTION TO MASS MEDIA 3
- **COMM 2100** REPORTING & NEWSWRITING I 3
- **COMM 2270** PUBLIC RELATIONS 3

**The following electives are recommended to enhance Certificate coursework:**
- **ENGL 2010** TECHNICAL WRITING 3
- **COMM 2090** INTRODUCTION TO PERSUASION 3
- **COMM 1040** INTRODUCTION TO HUMAN COMMUNICATION 3

**Total Credit Hours: 15**

### Spanish Emphasis AA Degree

#### Suggested Program

**Freshman Year - Fall Semester**
- **ENGL 1010** ENGLISH COMPOSITION I 3
- **LAB SCIENCE** 4
- **SPAN 1010** FIRST YEAR SPANISH I 4

**Freshman Year - Spring Semester**
- **ENGL 1020** ENGLISH COMPOSITION II 3
- **COMM 1040** INTRODUCTION TO HUMAN COMMUNICATION 3
- **FOREIGN LANGUAGE** 4

**Total Credit Hours: 15**
### Western American Studies Emphasis AA Degree

The Western American Studies program at WWCC is interdisciplinary, offering students the opportunity to study the region’s history, literature, culture and environment and to prepare them for living responsibly in the modern West. After taking required basic courses, students may specialize in their areas of interest (science, history, literature) or may select courses which give them a broad range of understanding of the West. Courses suggested for Western American Studies will prepare students to meet the challenges the region faces because of growing population and increased demand for its resources. In addition, the program provides students with a thorough knowledge of the West’s rich historical and literary heritage, with a special emphasis on the contribution of Native American cultures.

The Western American Studies program is flexible enough to allow students to specialize in courses that will prepare them to transfer to four year institution into such majors as American Studies, History, or Environmental Science. Students should work closely with their academic advisors to design a program to meet their individual needs and to meet transfer requirements.

#### Suggested Program

<table>
<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010 ENGLISH COMPOSITION I</td>
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<tr>
<td>US GOVERNMENT</td>
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<tr>
<td>LAB SCIENCE</td>
<td>4</td>
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<tr>
<td>WESTERN STUDIES ELECTIVE</td>
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<tr>
<td>COMPUTER COURSE</td>
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Lab Science: from list below

Western Studies Elective: below

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<tr>
<th>Sophomore Year - Spring Semester</th>
<th>Credit Hours</th>
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<tr>
<td>SPAN 2040 SECOND YEAR SPANISH II</td>
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<tr>
<td><strong>Total</strong></td>
<td>16-17</td>
</tr>
</tbody>
</table>

### Western American Studies Certificate

This academic certificate program offers intensive, concentrated study of authors, themes, and literary and cinematic genres of particular importance in regional studies. It offers students experience in research-based, analytical and expository writing. Courses required for certificate completion are delivered via non-traditional and traditional means, and this certificate can be completed entirely online.

The Western American Studies Certificate can augment the experience in research-based, analytical and expository writing. Courses required for certificate completion are delivered via non-traditional and traditional means, and this certificate can be completed entirely online.

The Western American Studies Certificate can augment the

### Western Studies Electives:

- **Humanities:** ENGL 2310, ENGL 2320, ENGL 2390, SPAN 1010, 1020, 2030, 2040
- **Social Science:** HIST 2290, HIST 1251, GR 1000, ANTH 1300
- **Lab Science courses well-suited to an AA Degree in Western American Studies:** BIOL 1003, BIOL 1010, GEOL 1100, CHEM 1000, CHEM 1020
- **Math:** Students transferring to a four year institution may need to use elective credits to meet the mathematics requirements for the university to which they plan to transfer. Courses include, but are not limited to: MATH 1000, 1400 and STAT 2050
To receive this academic certificate, students must complete, with a grade of C or better, five of the following six courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>HUMN 2486</td>
<td>WESTERN AMERICAN STUDIES SEMINAR:</td>
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</tr>
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<td>ENGL 2470</td>
<td>FILM APPRECIATION</td>
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<td>ENGL 2420</td>
<td>LITERARY GENRES:</td>
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<tr>
<td>ENGL 2340</td>
<td>NATIVE AMERICAN LITERATURE</td>
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</tr>
<tr>
<td>ENGL 2390</td>
<td>LITERATURE OF WYOMING</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete 5 of the 6 courses above (15 credits) or complete four of the above courses and one approved elective, selected from the following:

- ANTH 1100, 1200, 1250, 1300, BIOL 1210, 1220, 2310, 2410;
- G&R 1000, 1050; GEOL 1100, 1200; HIST 1251, 1290, 1340, 1410, 2290

C or better required in above courses to earn certificate.

**Total Credit Hours: 15**
Science and Mathematics

We live in an era where science, more than any other field of knowledge, affects our lives. Understanding science and technology is to understand major developments in our civilization. As a scientist-professional, you can have a direct impact on the kind of world in which you and future generations will live.

Western Wyoming Community College offers a wide range of courses in mathematics and science areas. These courses include the entire mathematics sequence from Beginning Algebra through Calculus III and Differential Equations. Mathematics majors and engineering majors will find all of the courses necessary for them to complete the first two years of their college training. A comprehensive curriculum will also be found in the Biology, Chemistry, and Geology areas. With Wyoming’s great variety of biological and geological areas, students in this division are able to study firsthand their environment. Individuals interested in pre-medicine, pre-nursing, wildlife and range management will also find courses necessary for them to complete their first two years.

Students planning to transfer to the University of Wyoming should ask their faculty advisor about requirements.

See Pre-Health Science Programs. (p. 666)

Biology Emphasis AS Degree

Suggested Program

Freshman Year - Fall Semester
- BIOL 1010: GENERAL BIOLOGY 4
- CHEM 1020: GENERAL CHEMISTRY I 4
- ENGL 1010: ENGLISH COMPOSITION I 3
- MATH 1400: PRECALCULUS ALGEBRA 4
  HEALTH & HUMAN ACTIVITY 1

15-17

MATH 1400 or higher

Freshman Year - Spring Semester
- BIOL 2022: ANIMAL BIOLOGY 4
- CHEM 1030: GENERAL CHEMISTRY II 4
- ENGL 2010: TECHNICAL WRITING 3
- MATH 1405: PRECALCULUS TRIGONOMETRY 3
  US GOVERNMENT 3

17-19

MATH 1405 or higher

Sophomore Year - Fall Semester
- BIOL 2023: PLANT AND FUNGAL BIOLOGY 4
- CHEM 2320: ORGANIC CHEMISTRY I 4
- PHYS 1110: GENERAL PHYSICS I OR 4
- BIOL 2080: PSYCHOBIOLOGY 4
  COMPUTER COURSE 3
  SOC SCI/HUMANITIES/APPLIED ARTS 3
  HEALTH & HUMAN ACTIVITY 1

19

Sophomore Year - Spring Semester
- MCLB 2210: GENERAL MICROBIOLOGY 4
- CHEM 2340: ORGANIC CHEMISTRY II 4
- PHYS 1120: GENERAL PHYSICS II OR 4
- BIOL 2400: GENERAL ECOLOGY 3
  AND
- BIOL 2410: INTRO TO FIELD ECOLOGY 2
  SOC SCI/HUMANITIES/APPLIED ARTS 3
  ASSESSMENT REQUIREMENT 0-1

18-19

BIOL 2400: Offered only in Spring Semester of even numbered years

Total Credit Hours: 69-74

Chemistry Emphasis AS Degree

Suggested Program

Freshman Year - Fall Semester
- ENGL 1010: ENGLISH COMPOSITION I 3
- CHEM 1020: GENERAL CHEMISTRY I 4
- MATH 2200: CALCULUS I 5
  COMPUTER COURSE 3
  HEALTH & HUMAN ACTIVITY 1

16

Freshman Year - Spring Semester
- CHEM 1030: GENERAL CHEMISTRY II 4
- MATH 2205: CALCULUS II 5
  FOREIGN LANGUAGE OR ELECTIVE 3-4
- PHYS 1310: COLLEGE PHYSICS I 4
  HEALTH & HUMAN ACTIVITY 1

17-18

Sophomore Year - Fall Semester
- CHEM 2230: QUANTITATIVE ANALYSIS 5
  SOCIAL 6
  SCIENCE/HUMANITIES/APPLIED ARTS 3
- PHYS 1320: COLLEGE PHYSICS II 4
- CHEM 2320: ORGANIC CHEMISTRY I 4

19

Sophomore Year - Spring Semester
- US GOVERNMENT 3
  SOCIAL 3
  SCIENCE/HUMANITIES/APPLIED ARTS 3
- ENGL 1020: ENGLISH COMPOSITION II 3
- CHEM 2340: ORGANIC CHEMISTRY II 4
  COMPUTER COURSE 3
  ASSESSMENT REQUIREMENT 0-1

16-17

Total Credit Hours: 68-70

Engineering Emphasis AS Degree

Engineering is a popular career because engineers have a variety of employment opportunities with some of the highest starting salaries. Engineering, however, is a rigorous program that often requires more than four years of study. Our program provides the first two years in small classes that provide challenging projects but with more individual attention than at most four-year institutions. With an A.S. in Engineering from Western, you will have a strong foundation in engineering science, the liberal arts, and mathematics that you will need to transfer and successfully complete a bachelor’s degree at a four-year institution.

Because students have different mathematical backgrounds, we offer two plans, one for students who are ready to take calculus and the other for those who need to complete precalculus. Most of the engineering classes require math prerequisites.

Students who will be transferring should ask their advisor about the 2+3 transfer agreement with the University of Wyoming and other universities. This agreement outlines plans of study in various engineering disciplines that suggests a reasonable five-year curriculum. Students should plan carefully and select a transfer program early. The selection of WWCC courses by the student and
advisor will depend on the student’s particular engineering field and the requirement of the university.

**Engineering Emphasis AS Degree (Calculus Ready)**

Suggested Program

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<th>Freshman Year - Fall Semester</th>
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<td>ENGL 1010</td>
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<td>CHEM 1020</td>
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<tbody>
<tr>
<td>ENGL 2010</td>
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<td>PHYS 1310</td>
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<td>MATH 2210</td>
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<td>ES 2410</td>
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<td><strong>Total Credit Hours:</strong></td>
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</tbody>
</table>

Note: Student should talk with his/her advisor about suitable electives.

Total Credit Hours: 73-74

**Environmental Science Emphasis AS Degree**

The inescapable pressures of an increasing population and flourishing technology demand a commitment to responsible environmental stewardship and thorough understanding of our physical environment. This program is designed to prepare students to understand the scientific, social and philosophical nature of human interaction with the environment and to contribute solutions to environmental problems.

Graduates may seek employment as technicians or may continue their studies in a variety of fields such as engineering, health sciences, business, or agriculture. For example, students may transfer to UW’s School of Environmental and Natural Resources. Internships may also be available.

**Suggested Program**

<table>
<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010</td>
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<tr>
<td>BIOL 1010</td>
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<td>MATH 1400</td>
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### Freshman Year - Spring Semester

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<td>BIOL 2400</td>
<td>GENERAL ECOLOGY</td>
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<td>BIOL 2410</td>
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<td>MATH 1405</td>
<td>PRECALCULUS TRIGONOMETRY</td>
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<td><strong>Total</strong></td>
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BIOL 2400: Offered only in Spring Semester of even numbered years.

### Sophomore Year - Fall Semester

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<td>CHEM 2230</td>
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<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
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### Sophomore Year - Spring Semester

<table>
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Recommended Electives: History of the US West (HIST 1290), Intro to Geography (GR 1000), Western American Studies Seminar (HUMN 2486), Statistics (STAT 2050) or Physical Geology (GEOL 1100).

### Total Credit Hours: 67-68

### Geology Emphasis AS Degree

#### Suggested Program

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### Total Credit Hours: 67-69

### Pre-Forestry Emphasis AS Degree

#### Suggested Program

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### Total Credit Hours: 69-70

### Mathematics Emphasis AS Degree

#### Suggested Program

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### Total Credit Hours: 67-69
## PreWildlife Biology Emphasis AS Degree

### Degree Requirements

**Freshman Year - Fall Semester**

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**Sophomore Year - Fall Semester**

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**Sophomore Year - Spring Semester**

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**Total Credit Hours:** 68-72

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## PreRangeland Ecology and Watershed Management Emphasis AS Degree

### Suggested Program

**Freshman Year - Fall Semester**

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**Freshman Year - Spring Semester**

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**Sophomore Year - Fall Semester**

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**Sophomore Year - Spring Semester**

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**Total Credit Hours:** 63-69

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## Programs of Study

**Recommended Electives:** BIOL 1210, BIOL 1220, BIOL 2022, MOLB 2210

**Freshman Year - Spring Semester**

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**Sophomore Year - Fall Semester**

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**Sophomore Year - Spring Semester**

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**Total Credit Hours:** 68-72

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**Recommended Electives:** BIOL 1210, BIOL 1220, BIOL 2022, MOLB 2210

**Freshman Year - Fall Semester**

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**Total Credit Hours:** 68-69
Social Sciences

Social Sciences view people in their social, historical, political, and philosophical context while respecting the integrity of the individual. Students will be challenged to broaden and deepen knowledge in such areas as anthropology, criminal justice, history, human services, political science, pre-law, psychology, and sociology. These programs are particularly important for those individuals interested in careers in government, law, education, psychology, or social work.

Social Services – helping people help themselves – has become big business in America. Careers in traditional social services like teaching, church, and law, continue. In addition, over the past 20 years, hundreds of federal, state, and local aid programs have been set up – from adult education classes to state employment services – with many new career opportunities. Most social services careers require bachelor’s degrees or graduate school.

This list of courses in the following Suggested Programs are offered as general guidelines. The student and student’s advisor will mutually devise a program to fit individual needs and abilities.

 Anthropology Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester
ENGL 1010  ENGLISH COMPOSITION I  3
ANTH 1300  INTRODUCTION TO ARCHAEOLOGY  3
MATH 1400  PRECALCULUS ALGEBRA  4
BIOL 1010  GENERAL BIOLOGY  4
ANTH 1200  INTRODUCTION TO CULTURAL ANTHROPOLOGY  3
HEALTH & HUMAN ACTIVITY  1
18

Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
ANTH 1100  INTRODUCTION TO PHYSICAL ANTHROPOLOGY  3
STAT 2070  STATISTICS FOR SOC SCIENCE  4
HEALTH & HUMAN ACTIVITY  1
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
18

Summer Or Fall
ANTH 2311  PREHISTORIC ARCHAEOLOGY FIELD METHODS  1-4
ANTH 2312  HISTORICAL ARCHAEOLOGY FIELD METHODS  1-4
8

Sophomore Year - Fall Semester
ANTH 1300  INTRODUCTION TO ARCHAEOLOGY  3
OR
ANTH 1350  ROCK ART: AND
ANTH 2310  ARCHAEOLOGY FIELD METHODS:  1-4
ANTH 1200  INTRODUCTION TO CULTURAL ANTHROPOLOGY  3
ANTH 2200  WORLD ETHNOGRAPHY  3
SOC 1000  SOCIOLOGICAL PRINCIPLES  3
15-16

Sophomore - Spring Semester
APPLIED ARTS ELECTIVE  3
ANTH 2210  NORTH AMERICAN INDIANS  3
HIST 2290  HISTORY OF AMERICAN INDIANS  3
GEOL 1100  PHYSICAL GEOLOGY  4
ASSESSMENT REQUIREMENT  0-1
13-14

Total Credit Hours: 70-72

Total Credit Hours: 18
Criminal Justice Emphasis AA Degree

The Associate of Arts degree is intended for those students who plan to eventually transfer to a four-year institution. This degree program is applicable to those seeking careers in a variety of criminal justice areas such as law enforcement, corrections, probations and parole.

Suggested Program

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
MATH 1000 PROBLEM SOLVING 3
OR
MATH 1400 PRECALCULUS ALGEBRA 4
CRMJ 2120 INTRODUCTION TO CRIMINAL JUSTICE 3
PSYC 1000 GENERAL PSYCHOLOGY 4
SOC 1000 SOCIOLOGICAL PRINCIPLES 3

Freshman Year - Spring Semester
ENGL 2010 TECHNICAL WRITING 3
POLS 1000 AMERICAN & WYOMING GOVERNMENT 3
STAT 2070 STATISTICS FOR SOC SCIENCE 4
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
CRMJ 2450 ETHICS IN CRIMINAL JUSTICE 3
HEALTH & HUMAN ACTIVITY 1

Sophomore Year - Fall Semester
CHEM 1000 INTRODUCTORY CHEMISTRY 4
SPAN 1010 FIRST YEAR SPANISH I 4
CRMJ 2210 CRIMINAL LAW I 3
PSYC 2210 DRUGS AND BEHAVIOR 3
SOC 2350 RACE & ETHNIC RELATIONS 3
HEALTH & HUMAN ACTIVITY 1

Sophomore Year - Spring Semester
SPAN 1020 FIRST YEAR SPANISH II 4
BIOL 1010 GENERAL BIOLOGY 4
COMM 1010 PUBLIC SPEAKING 3
SOC 1100 SOCIAL PROBLEMS 3
CRMJ 2450 CRIMINOLOGY 3

Total Credit Hours: 68-70

Emergency Management Certificate

Emergency Management specialists coordinate disaster or crisis management activities. Emergency Management training will consist of preparing emergency plans and procedures for responding to natural, technological, or terrorism events, and coordinating consequence management after the disaster.

A certificate in Emergency Management is designed to enhance the capabilities of federal, state, local, and tribal government officials, volunteer organizations, and the public and private sectors to minimize the impact of natural or human-caused disasters on the public. The courses are structured to meet the needs of this diverse audience with an emphasis on how the various elements work together in emergencies to save lives and protect property.

Required Core Course
EMGT 1500 PRINCIPLES OF EMERGENCY MANAGEMENT 3

Choose 4 courses (12 credits) from the following:
EMGT 1530 EMERGENCY PLANNING FOR DISASTER 3
EMGT 1630 EMERGENCY OPERATIONS CENTER 3
EMGT 1650 EMERGENCY RESOURCE MANAGEMENT 3
EMGT 2610 DISASTER EXERCISE DESIGN & EVALUATION 3
EMGT 2640 DISASTER RESOURCE & RECOVERY OPERATIONS 3

Choose 2 courses (6 credits) from the following:
CRMJ 1015 HOMELAND SECURITY: 3

Total Credit Hours: 21

History Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
FOREIGN LANGUAGE 4
POLS 1000 AMERICAN & WYOMING GOVERNMENT 3
MATH 1000 PROBLEM SOLVING 3
OR
MATH 1400 PRECALCULUS ALGEBRA 4
HIST 1211 US HISTORY I: TO 1865 3
HEALTH & HUMAN ACTIVITY 1

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
FOREIGN LANGUAGE 4
POLS 1000 AMERICAN & WYOMING GOVERNMENT 3
MATH 1000 PROBLEM SOLVING 3
OR
HIST 1251 WYOMING HISTORY 3

Sophomore Year - Fall Semester
BIOL 1010 GENERAL BIOLOGY 4
COMM 1010 PUBLIC SPEAKING 3
HIST 1110 WESTERN CIVILIZATION I 3
HIST 1290 HISTORY OF THE US WEST 3

Total Credit Hours: 68-70
Sophomore Year - Spring Semester
PHIL 1000 INTRODUCTION TO PHILOSOPHY 3
OR
ENGL 2470 FILM APPRECIATION 3
OR
LITERATURE COURSE 3
HIST 1120 WESTERN CIVILIZATION II 3
CHEMISTRY, PHYSICS, OR GEOLOGY 4
HIST 2290 HISTORY OF AMERICAN INDIANS 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
HEALTH & HUMAN ACTIVITY 1
ASSESSMENT REQUIREMENT 0-1

NOTE: These suggested courses fulfill the University of Wyoming core curriculum requirements and the University of Wyoming College of Arts and Sciences requirements, with the single exception of the “quantitative reasoning” requirement. These courses also fulfill the University of Wyoming Block Transfer Certification requirements for History, including 12 credits of the same foreign language.

Total Credit Hours: 68-70

International Studies Emphasis AA Degree

Recommended electives: ANTH 2380; BUSN 2000; COMM 1005; ENGL 2250, 2340, 2370; MUSC 2015; or PHIL 1000, 2315

Total Credit Hours: 65-67

Law Enforcement AAS Degree

This degree in Law Enforcement is intended for students seeking a career specifically in law enforcement. The program has been approved by regional law enforcement professionals to provide practical, high-quality education that includes those skills that will most adequately prepare students for a successful career in law enforcement. The A.A.S. is advantageous for those not planning to pursue a Bachelors Degree, therefore are not interested in the A.A. in Criminal Justice.

Degree Requirements

Freshman Year - Fall Semester
CRMJ 2120 INTRODUCTION TO CRIMINAL JUSTICE 3
CRMJ 2550 CRIMINAL INVESTIGATION I 3
CRMJ 1900 INTRODUCTION TO LAW ENFORCEMENT 3
CRMJ 1550 COMMUNITY RELATIONS 3
ENGL 1010 ENGLISH COMPOSITION I 3
PEAC 2005 PERSONALIZED FITNESS I 2

Total Credit Hours: 17

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
FOREIGN LANGUAGE 4
STAT 2070 STATISTICS FOR SOC SCIENCE 4
POLS 1200 NON-WESTERN POLITICAL CULTURES 3
HEALTH & HUMAN ACTIVITY 1

Total Credit Hours: 16-17

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
FOREIGN LANGUAGE 4
POLS 1000 AMER & WYOMING GOVERNMENT 3
OR
MATH 1400 PRECALCULUS ALGEBRA 4
ANTH 1200 INTRO TO CULTURAL ANTH 3
OR
SOC 1000 SOCIOLOGICAL PRINCIPLES 3

Total Credit Hours: 15

Sophomore Year - Fall Semester
FOREIGN LANGUAGE 4
LAB SCIENCE 4
POLS 2128 TERRORISM 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
POLS 2310 INTRO TO INTERNATIONAL RELATIONS 3

Total Credit Hours: 17

Sophomore Year - Spring Semester
ECON 1010 MACROECONOMICS 3
FOREIGN LANGUAGE 4
COMM 1010 PUBLIC SPEAKING 3
POLS 2000 CURRENT ISSUES IN AMER GOVERN OR
POLS 2250 LATIN AMERICAN STUDIES 3
RECOMMENDED ELECTIVE 3
HEALTH & HUMAN ACTIVITY 1
ASSESSMENT REQUIREMENT 0-1

Total Credit Hours: 17-18

Note: CRMJ courses are taught on a two-year rotation basis and may not be taught each semester; It is recommended courses be taken in the order shown above.

Internships in Law Enforcement are available for 1 to 4 variable credits; Interested students should discuss enrolling in CRMJ 2970 Internship with an academic advisor.

Freshman Year - Spring Semester
CRMJ 2120 CRIMINAL INVESTIGATION II 3
ENGL 2010 TECHNICAL WRITING 3
MATH 1000 PROBLEM SOLVING 3
US GOVERNMENT 3
CRMJ 2250 POLICE ADMINISTRATION I 3
HLED 1225 FIRST AID AND CPR 2

Total Credit Hours: 17

CRMJ 2120, CRJM 1900, and CRMJ 1550: Required courses to receive A.A.S. Degree in Law Enforcement (must be included in the 24 hours of degree area coursework for graduation)
CRMJ 2120, CRMJ 2550, CRMJ 1900 CRMJ 1550, and PEAC 2005: Peace Officer Standards Training (P.O.S.T.) Certification includes similar coursework

Note: CRMJ courses are taught on a two-year rotation basis and may not be taught each semester; It is recommended courses be taken in the order shown above.

Internships in Law Enforcement are available for 1 to 4 variable credits; Interested students should discuss enrolling in CRMJ 2970 Internship with an academic advisor.

Sophomore Year - Fall Semester
CRMJ 2210 CRIMINAL LAW I 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
CRMJ 2420 JUVENILE JUSTICE 3
PSYC 2210 DRUGS AND BEHAVIOR 3
OR

Total Credit Hours: 17-18

Note: CRMJ courses are taught on a two-year rotation basis and may not be taught each semester; It is recommended courses be taken in the order shown above.

Internships in Law Enforcement are available for 1 to 4 variable credits; Interested students should discuss enrolling in CRMJ 2970 Internship with an academic advisor.
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**SOPHOMORE YEAR - SPRING SEMESTER**

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**TOTAL CREDIT HOURS: 70-71**

**POLITICAL SCIENCE EMPHASIS AA DEGREE**

**SUGGESTED PROGRAM**

**FRESHMAN YEAR - FALL SEMESTER**

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**FRESHMAN YEAR - SPRING SEMESTER**

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**PRELAW EMPHASIS AA DEGREE**

**SUGGESTED PROGRAM**

**FRESHMAN YEAR - FALL SEMESTER**

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**FRESHMAN YEAR - SPRING SEMESTER**

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**TOTAL CREDIT HOURS: 67-69**
## Sophomore Year - Fall Semester

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**Spring Semester**

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**Total Credit Hours:** 17-18

Literature course options: ENGL 2250, ENGL 2260, ENGL 2310, ENGL 2320, ENGL 2370.

## Psychology Emphasis AA Degree

### Suggested Program

**Freshman Year - Fall Semester**

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<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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**Freshman Year - Spring Semester**

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**Sophomore Year - Fall Semester**

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**Total Credit Hours:** 17-18

Recommended Electives: Intro to Counseling (PSYC 2050), Abnormal Psychology (PSYC 2340), Ethics Diversity (PSYC 1060), Domestic Violence Sexual Assault (PSYC 1300), Psychology of Adjustment (PSYC 2330), Social Psychology (PSYC 2380), and Internship (PSYC 2470).

Please note that some Psychology courses are offered only in the Fall, Spring, or alternate years.

These suggested courses should meet all University of Wyoming AS and Psychology Department requirements. PSYC 2340 and PSYC 2380 fill mandated courses. The suggested programs should also meet requirements at most transfer institutions as the first two years of a bachelor's degree in Psychology. Some psychology courses are designed to serve other majors and may be designated as upper division courses at universities. In all cases, check with your academic advisor.

**Total Credit Hours:** 67-70

## Social Science General Emphasis AA Degree

### Suggested Program

**Freshman Year - Fall Semester**

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**Freshman Year - Spring Semester**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION II</td>
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<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
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<tr>
<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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<tr>
<td>HIST 1211</td>
<td>US HISTORY I: TO 1865</td>
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<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
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<tr>
<td>ANTH 1200</td>
<td>INTRO TO CULTURAL ANTH</td>
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<tr>
<td>COMM 1010</td>
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**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
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<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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<td>HIST 1211</td>
<td>US HISTORY I: TO 1865</td>
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<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
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<td>ANTH 1200</td>
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<tr>
<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
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</tbody>
</table>

**Total Credit Hours:** 16-17

Recommended Electives: Intro to Counseling (PSYC 2050), Abnormal Psychology (PSYC 2340), Ethics Diversity (PSYC 1060), Domestic Violence Sexual Assault (PSYC 1300), Psychology of Adjustment (PSYC 2330), Social Psychology (PSYC 2380), and Internship (PSYC 2470).

Please note that some Psychology courses are offered only in the Fall, Spring, or alternate years.

These suggested courses should meet all University of Wyoming AS and Psychology Department requirements. PSYC 2340 and PSYC 2380 fill mandated courses. The suggested programs should also meet requirements at most transfer institutions as the first two years of a bachelor's degree in Psychology. Some psychology courses are designed to serve other majors and may be designated as upper division courses at universities. In all cases, check with your academic advisor.

**Total Credit Hours:** 67-70
# Sociology Emphasis AA Degree

## Suggested Program

### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
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<td>SOC 1000</td>
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### Freshman Year - Spring Semester

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<td>ENGL 1020</td>
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<tr>
<td>PSYC 2000</td>
<td>RESEARCH PSYCHOLOGY METHODS</td>
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<td>SOC 1100</td>
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<td><strong>Total</strong></td>
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### Sophomore Year - Fall Semester

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<th>Credits</th>
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<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>PRECALCULUS ALGEBRA</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 1200</td>
<td>INTRODUCTION TO CULTURAL ANTHROPOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>16-17</strong></td>
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### Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>STAT 2070</td>
<td>STATISTICS FOR SOC SCIENCE</td>
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<tr>
<td>SOC 1080</td>
<td>INTRO TO WOMEN'S STUDIES</td>
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<tr>
<td>SOC 2350</td>
<td>RACE &amp; ETHNIC RELATIONS</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>16-19</strong></td>
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**Total Credit Hours: 64-68**
Technology and Industry

The jobs of today and the future require new skills and, at the same time, a higher level of skill. The Technology and Industry Division is organized in such a way as to provide both basic and advanced skills for those wishing to enter or re-enter the work force of the future. The Technology and Industry Division is here to serve you, the student, with the most modern up-to-date facility in our part of the country.

Technical Labs
The Technology Industry wing of Western Wyoming Community College features modern shops and labs which provide instruction in a wide variety of programs. As a continuing effort to offer a curriculum that meets the entry-level training needs of industry, new equipment is added to the programs each year. Students at WWCC will be able to graduate with a Certificate or Associate of Applied Science degree from one of the most up-to-date facilities in the region.

Current Programs
The Technology and Industry Division provides studies in Automotive Technology, Natural Gas Compression Technology, Diesel Maintenance, Electronics, Industrial Electricity, Industrial Instrumentation, Mining and Industrial Maintenance, Oil Gas Production Technology and Welding Technology for those students wishing to gain skills in vocational and technical fields in preparation for employment in business and industry. Additional courses of study will be offered as the demand for them arises and staff and facilities of the college permit. An increasingly critical problem in contemporary society is the shortage of qualified craftsmen, artisans and technicians who possess the skills and technical knowledge required by our complicated technological society.

Students take courses in these fields for a number of the following reasons:

1. After one or two years of training and education at WWCC (depending upon the program chosen), students will be able to take positions with skills that can make them successful, efficient employees.

2. The programs also serve those students who plan to continue their technical education elsewhere, whether at four-year institutions or technical institutions.

3. Finally, technical courses can bridge the gap between the skilled worker on the one hand and highly specialized engineer or scientist on the other.

Customized Certificates
The Technology Industry division develops certificates that are customized to meet the needs of a particular local industry. These certificates are created after discussions with a local industry about its workforce’s needs. The certificate is a set of primarily existing courses configured to meet a specified skill set. The list of current certificates is on the WWCC website.

Part-time Students
Shift workers are advised that most Technology Industry Division classes have been adapted to fit your varying work schedule. Although the shift worker must register for a course as it appears in the current schedule of classes, he or she is not locked into attendance only at the times listed in the schedule. The instructor will gladly work with you so you can complete the class requirements around your work schedule.

Graduation Requirements
Students may receive the Associate of Applied Science (A.A.S.) Degree in the Division of Technology and Industry after completing a minimum 64 hours of credit and the appropriate coursework with at least a C average. The Certificate option of each program consists of only the vocational courses required for entry-level employment in a specific occupation. Requirements for each Certificate option are specified in the following program descriptions. The suggested programs in each of the following areas of emphasis for the associate degrees are offered as general guidelines. Each student’s program will be mutually devised by the student and the student’s advisor to fit individual needs and abilities.

Automotive Technology
The Automotive Technology program provides courses for those who want to prepare for the high-tech and exciting world of automotive service and repair. Multiple program options exist: a 68 credit hour program leading to an Associate Degree in Automotive Technology, a 39 credit hour program leading to a One-Year Certificate in Automotive Technology, or a 39 credit hour program leading to the Certificate of Alternative Fuel Vehicle Technology. The Certificate in Automotive Technology and the Associate Degree in Automotive Technology will help the student to begin a career in the automotive industry that will be both fun and rewarding. The Certificate in Alternative Fuel Vehicle Technology will help the student to be able to work on some of the most high-tech vehicles that are becoming common place on today’s streets and highways.

Alternative Fuel Vehicle Technology Certificate

<table>
<thead>
<tr>
<th>Required Courses</th>
</tr>
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<tbody>
<tr>
<td>AUTO 1765: AUTOMOTIVE ELECTRICAL SYSTEMS I 3</td>
</tr>
<tr>
<td>AUTO 1766: AUTOMOTIVE ELECTRICAL SYST II 3</td>
</tr>
<tr>
<td>AUTO 1700: ENGINE FUNDAMENTALS 3</td>
</tr>
<tr>
<td>AUTO 1770: AUTOMOTIVE ELECTRONICS 3</td>
</tr>
<tr>
<td>AUTO 2510: ENGINE PERFORMANCE I 3</td>
</tr>
<tr>
<td>AUTO 2520: ENGINE PERFORMANCE II 3</td>
</tr>
<tr>
<td>AUTO 2590: ENGINE PERFORMANCE III 3</td>
</tr>
<tr>
<td>AFVT 1500: INTRO TO ALT FUEL VEHICLES 3</td>
</tr>
<tr>
<td>AFVT 1600: LIGHT-DUTY DIESEL ENGINE PERF I 3</td>
</tr>
<tr>
<td>AFVT 1610: LIGHT-DUTY DIESEL ENGINE PERF II 3</td>
</tr>
<tr>
<td>AFVT 1620: NATURAL GAS VEHICLE FUEL SYST 3</td>
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<tr>
<td>AFVT 1630: HYBRID ELECTRIC VEHICLE SYST I 3</td>
</tr>
<tr>
<td>AFVT 1640: HYBRID ELECTRIC VEHICLE SYST II 3</td>
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</table>

Total Credit Hours: 39

Automotive Technology AAS Degree

Degree Requirements

Freshman Year - Fall Semester

| AUTO 1765: AUTOMOTIVE ELECTRICAL SYSTEMS I 3 |
| AUTO 1766: AUTOMOTIVE ELECT SYST II 3 |
| AUTO 1770: AUTOMOTIVE ELECTRONICS 3 |
| AUTO 1690: MANUAL POWER TRANS FUND 3 |
| ENGL 1010: ENGLISH COMPOSITION I 3 |
| COSC 1200: COMPUTER INFORMATION SYST 3 |

Total Credit Hours: 18

AUTO 1765, AUTO 1766, AUTO 1770, and AUTO 1690: Required courses to receive A.A.S. Degree in Automotive Technology must be passed with a “C” or better.
**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AUTO 1760</td>
<td>HEATING AND AIR CONDITIONING</td>
<td>3</td>
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<tr>
<td>AUTO 2510</td>
<td>ENGINE PERFORMANCE I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2520</td>
<td>ENGINE PERFORMANCE II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2590</td>
<td>ENGINE PERFORMANCE III</td>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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**Sophomore Year - Fall Semester**

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<tr>
<td>AUTO 1730</td>
<td>AUTOMATIC TRANSMISSIONS</td>
<td>6</td>
</tr>
<tr>
<td>AUTO 1740</td>
<td>BRAKE SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2540</td>
<td>ADVANCED BRAKES &amp; SUSPENSION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2545</td>
<td>AUTOMOTIVE ALIGNMENT &amp; STEERING SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1700</td>
<td>ENGINE FUNDAMENTALS</td>
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**Sophomore Year - Spring Semester**

<table>
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<tr>
<th>Course</th>
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<tr>
<td>COMM 1030</td>
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<td>3</td>
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<tr>
<td>ECON 1010</td>
<td>MACROECONOMICS</td>
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<tr>
<td></td>
<td>OR BUSINESS COURSE</td>
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<td>LAB SCIENCE OR COLLEGE LEVEL MATH</td>
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<td>APPROVED ELECTIVE</td>
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<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<td>ASSESSMENT REQUIREMENT</td>
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**Total Credit Hours: 16-18**

**Approved Electives:** AUTO 1580 Basic Auto Maintenance, DESL 1595 Diesel Fundamentals, DESL 1600 Diesel Engines, TECH 1000 Intro to Technical Mathematics, TECH 1600 Industrial Safety, WELD 1755 Shielded Metal Arc Welding

**Total Credit Hours: 68-70**

**Automotive Technology Certificate**

Students must complete the following required courses (33 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 1700</td>
<td>ENGINE FUNDAMENTALS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1740</td>
<td>BRAKE SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1760</td>
<td>HEATING AND AIR CONDITIONING</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1766</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1770</td>
<td>AUTOMOTIVE ELECTRONICS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2540</td>
<td>ADVANCED BRAKES &amp; SUSPENSION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2545</td>
<td>AUTOMOTIVE ALIGNMENT &amp; STEERING SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2510</td>
<td>ENGINE PERFORMANCE I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2520</td>
<td>ENGINE PERFORMANCE II</td>
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<tr>
<td>AUTO 2590</td>
<td>ENGINE PERFORMANCE III</td>
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**Students must complete all of the required courses plus a minimum of 6 credits from the following:**

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<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AUTO 1690</td>
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<td>AUTO 1730</td>
<td>AUTOMATIC POWER TRANSMISSION</td>
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<tr>
<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS</td>
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<td>DESL 1600</td>
<td>DIESEL ENGINES</td>
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<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
<td>4</td>
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<tr>
<td>TECH 1000</td>
<td>INTRO TO TECHNOLOGY</td>
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<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
<td>3</td>
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</tbody>
</table>

**Total Credit Hours: 39**

**Diesel and Heavy Equipment Technology**

The Diesel and Heavy Equipment programs provide an opportunity for students to learn techniques and develop skills necessary for them to acquire a job or to advance in a job as a diesel/heavy equipment technician or a related field. This program is intended to give students basic knowledge with actual hands-on activities. Helping students understand how to apply theory to an actual on-the-job situation and helping them gain the confidence to take on larger and more complex tasks and be successful are important to the mission of the Diesel Heavy Equipment program. The program also strives to partner with the community to meet the needs of local business and industry. Specialized training is developed on request and as time permits, in order to help employees improve their skills.

**Diesel Technology Certificate**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1770</td>
<td>AUTOMOTIVE ELECTRONICS</td>
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<tr>
<td>AUTO 1690</td>
<td>MANUAL POWER TRANSMISSION</td>
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<tr>
<td>DESL 1590</td>
<td>HEAVY DUTY POWER TRAINS</td>
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<td>AUTO 1740</td>
<td>BRAKE SYSTEMS</td>
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<tr>
<td>DESL 1680</td>
<td>HD BRAKE &amp; SUSPENSION</td>
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<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS</td>
<td>3</td>
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<tr>
<td>DESL 1600</td>
<td>DIESEL ENGINES</td>
<td>9</td>
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<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER)</td>
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<tr>
<td>TECH 1000</td>
<td>INTRO TO TECHNOLOGY</td>
<td>3</td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
<td>4</td>
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<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
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<tr>
<td>WELD 1710</td>
<td>OXYACETYLENE WELDING</td>
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<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING</td>
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<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
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</table>

**Total Credit Hours: 33-37**

MATH 1000 or Higher

**Total Credit Hours: 33-37**
Diezel Technology with CDL Certificate

Required Courses
AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3
AUTO 1690 MAN POWER TRANS FUND 3
OR
DESL 1590 HEAVY DUTY POWER TRAINS 6
OR
AUTO 1740 BRAKE SYSTEMS 3
OR
DESL 1680 HD BRAKE & SUSPENSION 3
DESL 1595 DIESEL FUNDAMENTALS 3
DESL 1600 DIESEL ENGINES 9
INDM 1570 INDUSTRIAL HYD II (FLUID POWER) 3
TECH 1000 INTRO TO TECH MATHEMATICS 3
OR
PHYS 1050 CONCEPTS OF PHYSICS 4
MATH 1000 PROBLEM SOLVING 3
WELD 1710 OXYACETYLENE WELDING 2
AND
WELD 1715 OXYACETYLENE CUTTING 1
OR
WELD 1755 SHIELDED METAL ARC WELDING 3
TTD 1500 NOVICE CDL TRAINING 5

Total Credit Hours: 35-39

Diesel and Heavy Equipment Mechanics AAS Degree

Degree Requirements

Freshman Year - Fall Semester
AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3
DESL 1595 DIESEL FUNDAMENTALS 3
AUTO 1690 MANUAL PWR TRANS FUND 3
DESL 1590 HEAVY DUTY POWER TRAINS 6
AUTO 1770 AUTOMOTIVE ELECTRONICS 3

18

AUTO 1765, DESL 1595, DESL 1590, and AUTO 1770: Required courses for A.A.S. degree in Diesel and Heavy Equipment Mechanics

Freshman Year - Spring Semester
ENGL 1010 ENGLISH COMPOSITION I 3
DESL 1600 DIESEL ENGINES 9
COSC 1200 COMPUTER INFORMATION SYSTEMS 3

16

DESL 1600: Required courses for A.A.S. degree in Diesel and Heavy Equipment Mechanics

Sophomore Year - Fall Semester
INDM 1570 INDUSTRIAL HYD I (FLUID POWER) 3
DESL 1680 HD BRAKE & SUSPENSION 3
US GOVERNMENT 3
ENGL 2010 TECHNICAL WRITING 3
HEALTH & HUMAN ACTIVITY 1
WELD 1755 SHIELDED METAL ARC WELDING 3

INDM 1570, and DESL 1680: Required courses for A.A.S. degree in Diesel and Heavy Equipment Mechanics

Sophomore Year - Spring Semester
TECH 1600 INDUSTRIAL SAFETY 3
AUTO 1760 HEATING AND AIR CONDITIONING 3
COMM 1030 INTERPERSONAL COMMUNICATION 3
PHYS 1050 CONCEPTS OF PHYSICS 4

ASSESSMENT REQUIREMENT 0-1

13-14

AUTO 1760: Required courses for A.A.S. degree in Diesel and Heavy Equipment Mechanics

Additional suggested electives: Industrial Hydraulics II (INDM 1580), Industrial Hydraulics III (INDM 1585), Novice CDL Training (TTD 1500)

Total Credit Hours: 63-64

Diesel and Heavy Equipment Maintenance and Repair Certificate

Requirements List
AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3
AUTO 1770 AUTOMOTIVE ELECTRONICS 3
DESL 1590 HEAVY DUTY POWER TRAINS 6
DESL 1680 HD BRAKE & SUSPENSION 3
DESL 1595 DIESEL FUNDAMENTALS 3
DESL 1600 DIESEL ENGINES 9
AUTO 1760 HEATING AND AIR CONDITIONING 3
INDM 1570 INDUSTRIAL HYD I (FLUID POWER) 3
INDM 1580 INDUSTRIAL HYD II (FLUID POWER) 3
INDM 1585 INDUSTRIAL HYDRAULICS III 3

CHOOSE ANY TWO FROM:
WELD 1755 SHIELDED METAL ARC WELDING 3
WELD 1760 ADV. SHIELD METAL ARC WELDING 3
WELD 1770 GAS METAL ARC WELDING 3
WELD 1840 GROOVE WELDING PLATE 3

45

Total Credit Hours: 45

Electrical and Instrumentation Technology

Western currently offers two certificate options and one A.A.S. degree in the electrical and instrumentation field - a 24 hour Certificate Program in Electricity, a 36 hour Certificate in Electronics/Instrumentation/Control Technology, and an A.A.S. Degree in Electrical Instrumentation Technology.

The 24 hour certificate Program in Electricity fulfills the state of Wyoming’s education requirements for apprentice electricians preparing for their Journeyman’s License. The program is designed for students who are currently working as full time electrical apprentices and is a succession of eight, 3 credit night classes focusing on the NEC code regulations.

The 36 hour Certificate in Electronics/Instrumentation/Control Technology and the A.A.S. Degree in Electrical & Instrumentation are designed to provide the student with a wide variety of electrical courses to prepare them for a job as an electrical technician. The need for trained electrical technicians continues to climb in a wide variety of industries including; power plants, oil and gas production facilities, mining operations, and chemical processing plants. This program strive to meet the needs of the various industries. The types of students receiving this certificate and/or degree ranges from the traditional student who is interested in a career in the electrical field to electricians who are currently working in industry and are upgrading their skills.
## Electrical, Instrumentation, Control Technology Certificate

### Required Core Curriculum of minimum 20.5-21 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTR 1505</td>
<td>ELECTRICAL ASSEMBLY &amp; MEASURE</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1530</td>
<td>BASIC ELECTRICITY, AC</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1840</td>
<td>INSTRUMENTATION I</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1841</td>
<td>INSTRUMENTATION I FOR INDUSTRY</td>
<td>2.5</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2815</td>
<td>PROGRAMMABLE LOGIC CONTROLLERS</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2840</td>
<td>MOTOR CONTROLS</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1000</td>
<td>INTRO TO TECHNOLOGY</td>
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**Total Credit Hours:** 20.5-21

### Remaining minimum 15-15.5 credit hours to be selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ELTR 1030</td>
<td>PROGRAMMABLE LOGIC CONTROLLER FOR INDUSTRY:</td>
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<tr>
<td>ELTR 1035</td>
<td>PROCESS CONTROL TECHNIQUES</td>
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<tr>
<td>ELTR 1700</td>
<td>INTRODUCTION TO SOLID STATE ELECTRONICS</td>
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<tr>
<td>ELTR 1760</td>
<td>INTRO TO DIGITAL ELECTRONICS</td>
<td>4</td>
</tr>
<tr>
<td>ELTR 2620</td>
<td>CONTROL SYSTEM COMM</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2820</td>
<td>POWER DISTRIBUTION</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2844</td>
<td>REMOTE TERMINAL UNIT PROG</td>
<td>3</td>
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<tr>
<td>ELTR 2846</td>
<td>HUMAN MACHINE INTERFACE PROG</td>
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<tr>
<td>ELTR 2855</td>
<td>ADVANCED PROGRAMMABLE LOGICAL CONTROLLERS</td>
<td>3</td>
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<tr>
<td>ELTR 2865</td>
<td>INSTRUMENTATION II</td>
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<tr>
<td>ELTR 2890</td>
<td>INSTRUMENTATION III</td>
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<td>ETR 1530</td>
<td>ANY ELECTRICAL APPRENTICESHIP COURSE (ELAP) MAX 3</td>
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<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYD I (FLUID POWER)</td>
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<tr>
<td>INDM 1590</td>
<td>INDUSTRIAL PNEUMATICS</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
<td>3</td>
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<tr>
<td>TECH 1680</td>
<td>READING TECHNICAL SCHEMATICS</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1850</td>
<td>COMPUTER APPLICATIONS COURSE</td>
<td>1-6</td>
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<tr>
<td>TECH 1860</td>
<td>APPROVED DIRECTLY RELATED ELECTIVES</td>
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**Total Credit Hours:** 15-15.5

## Electrical Apprenticeship Certificate

### Apprentices of Independent Electrical Contractors

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>ELAP 1515</td>
<td>ELECTRICAL APPRENTICESHIP I</td>
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<td>ELECTRICAL APPRENTICESHIP II</td>
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<tr>
<td>ELAP 1535</td>
<td>ELECTRICAL APPRENTICESHIP III</td>
<td>3</td>
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<tr>
<td>ELAP 1545</td>
<td>ELECTRICAL APPRENTICESHIP IV</td>
<td>3</td>
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<td>ELAP 1555</td>
<td>ELECTRICAL APPRENTICESHIP V</td>
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<tr>
<td>ELAP 1565</td>
<td>ELECTRICAL APPRENTICESHIP VI</td>
<td>3</td>
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<tr>
<td>ELAP 1575</td>
<td>ELECTRICAL APPRENTICESHIP VII</td>
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<tr>
<td>ELAP 1585</td>
<td>ELECTRICAL APPRENTICESHIP VIII</td>
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</table>

**Total Credit Hours:** 24

## Electrical and Instrumentation Technology AAS Degree

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ELTR 1505</td>
<td>ELECTRICAL ASSEMBLY &amp; MEASURE</td>
<td>3</td>
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<tr>
<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
<td>3</td>
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<tr>
<td>ELTR 1530</td>
<td>BASIC ELECTRICITY, AC</td>
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<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<tr>
<td></td>
<td>LAB SCIENCE OR COLLEGE LEVEL MATH</td>
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</table>

**Total Credit Hours:** 16-17

### Freshman Year - Spring Semester

<table>
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<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>ELTR 1840</td>
<td>INSTRUMENTATION I OR</td>
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<tr>
<td>ELTR 1841</td>
<td>INSTRUMENTATION I FOR INDUSTRY</td>
<td>2.5</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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</table>

**Total Credit Hours:** 15.5-16

### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ELTR 2840</td>
<td>MOTOR CONTROLS</td>
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<td>ELTR 2815</td>
<td>PROGRAMMABLE LOGIC CONTROLLERS</td>
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<tr>
<td></td>
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<td></td>
<td>DIRECTLY RELATED ELECTIVES</td>
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**Total Credit Hours:** 18

### Sophomore Year - Spring Semester

<table>
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<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ELTR 2840</td>
<td>ELECTRICAL APPRENTICESHIP I</td>
<td>3</td>
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<td>ELTR 2815</td>
<td>ELECTRICAL APPRENTICESHIP II</td>
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<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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</tr>
<tr>
<td>ELTR 2620</td>
<td>CONTROL SYSTEM COMM</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 15-16

### Required courses to receive A.A.S. Degree in Electrical Instrumentation Technology

#### Additional ELTR courses: Required courses to receive A.A.S. Degree in Electrical Instrumentation Technology

**Total Credit Hours:** 35.5-36.5

### Additional ELTR courses: may include any ELTR course not already required for this degree

#### Directly Related Electives: may include any TI course, or College Level Math course (MATH 1000 or higher), or ES course, or BIOL, CHEM, PHYS Lab Science course

**Total Credit Hours:** 64.5-67
### Industrial Maintenance

The Industrial Maintenance program offers both the A.A.S. degree and a number of certificates (see requirements for the A.A.S. degree programs). The Industrial Maintenance certificates allow options in Hydraulics or Welding. The program offers additional certificates in surface maintenance mechanics, underground mechanics and a certificate for apprentice power plant mechanics. After completing the required courses listed, the student may apply and receive a certificate. After completing the required credits and all degree requirements the student may apply to receive an A.A.S. degree.

### Industrial Maintenance Technology

**Mechanics, Hydraulics Option Certificate**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1510 INDUSTRIAL MECHANICS I</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1520 INDUSTRIAL MECHANICS II</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1530 INDUSTRIAL MECHANICS III</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1540 INDUSTRIAL MECHANICS IV</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1550 INDUSTRIAL MECHANICS V</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1560 PREVENTIVE MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1570 INDUSTRIAL HYD I (FLUID POWER)</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1580 INDUSTRIAL HYD II (FLUID POWER)</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1585 INDUSTRIAL HYDRAULICS III</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1590 INDUSTRIAL PNEUMATICS</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1710 OXYACETYLENE WELDING</td>
<td>2</td>
</tr>
<tr>
<td>WELD 1715 OXYACETYLENE CUTTING</td>
<td>1</td>
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<tr>
<td>WELD 1755 SHIELDED METAL ARC WELDING</td>
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<tr>
<td>WELD 1760 ADV. SHIELD METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1770 GAS METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1774 GAS METAL ARC WELDING - PIPE</td>
<td>3</td>
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<tr>
<td>WELD 1776 FLUX CORED ARC WELDING - PIPE</td>
<td>3</td>
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<tr>
<td>WELD 1780 GAS TUNG ARC WELDING - PLATE</td>
<td>4</td>
</tr>
<tr>
<td>WELD 1840 GROOVE WELDING PLATE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1860 WELDING FABRICATION</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1950 SAW STAINLESS STEEL BASIC</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1960 SUBMERGED ARC WELDING</td>
<td>2</td>
</tr>
<tr>
<td>WELD 2510 PIPE WELD I:SCHEDULE 40</td>
<td>3</td>
</tr>
<tr>
<td>WELD 2520 PIPE WELD II:SCHED 80 PIPE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 2530 DOWNHILL PIPE WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 2540 PIPE LAYOUT AND FABRICATION</td>
<td>4</td>
</tr>
<tr>
<td>WELD 2630 WELDING FOR THE ARTS I</td>
<td>3</td>
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<tr>
<td>WELD 2635 WELDING FOR THE ARTS II</td>
<td>3</td>
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<tr>
<td>WELD 2650 GAS TUNGSTEN ARC WELDING-PIPE</td>
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<tr>
<td>WELD 2660 STAINLESS STEEL PIPE WELDING</td>
<td>3</td>
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<tr>
<td>TECH 1600 INDUSTRIAL SAFETY</td>
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</table>

**Total Credit Hours: 39**

### Industrial Maintenance Technology AAS Degree

**Degree Requirements**

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>INDM 1510 INDUSTRIAL MECHANICS I</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1520 INDUSTRIAL MECHANICS II</td>
<td>3</td>
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<tr>
<td>INDM 1530 INDUSTRIAL MECHANICS III</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1200 COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
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<tr>
<td>PHYS 1050 CONCEPTS OF PHYSICS</td>
<td>4</td>
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<tr>
<td>ENGL 1010 ENGLISH COMPOSITION I</td>
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<tr>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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**Total Credit Hours: 17**

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Required Courses</th>
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<tbody>
<tr>
<td>INDM 1540 INDUSTRIAL MECHANICS IV</td>
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<tr>
<td>INDM 1550 INDUSTRIAL MECHANICS V</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1560 PREVENTIVE MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>MCH 2740 MACHINE TOOL PROCESSES I</td>
<td>4</td>
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<tr>
<td>ENGL 1010 ENGLISH COMPOSITION I</td>
<td>3</td>
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<tr>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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**Total Credit Hours: 17**

**Sophomore Year - Fall Semester**

<table>
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<th>Required Courses</th>
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<tr>
<td>INDM 1590 INDUSTRIAL PNEUMATICS</td>
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<td>ENGL 2010 TECHNICAL WRITING</td>
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<tr>
<td>COMM 1030 INTERPERSONAL COMMUNICATION</td>
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</table>

**Total Credit Hours: 15**

**Approved Welding Courses:** Any welding course (excluding WELD 1710, 2630, 2635)

**Industrial Maintenance Technology, Welding Option Certificate**

<table>
<thead>
<tr>
<th>Required Courses</th>
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<tbody>
<tr>
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<tr>
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<td>3</td>
</tr>
<tr>
<td>INDM 1560 PREVENTIVE MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1680 READING TECHNICAL SCHEMATICS</td>
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<tr>
<td>WELD 1710 OXYACETYLENE WELDING</td>
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<td>WELD 1715 OXYACETYLENE CUTTING</td>
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<td>WELD 1760 ADV. SHIELD METAL ARC WELDING</td>
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<td>WELD 1860 WELDING FABRICATION</td>
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<td>WELD 2510 PIPE WELD I:SCHEDULE 40</td>
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<td>WELD 2520 PIPE WELD II:SCHED 80 PIPE</td>
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<tr>
<td>WELD 2530 DOWNHILL PIPE WELDING</td>
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<tr>
<td>WELD 2540 PIPE LAYOUT AND FABRICATION</td>
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<tr>
<td>WELD 2630 WELDING FOR THE ARTS I</td>
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<td>WELD 2635 WELDING FOR THE ARTS II</td>
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<td>WELD 2660 STAINLESS STEEL PIPE WELDING</td>
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<tr>
<td>TECH 1600 INDUSTRIAL SAFETY</td>
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</tbody>
</table>

**Total Credit Hours: 42**

**Industry 2, 1940 HOWARD AVENUE 1982-1983 CATALOG**
Sophomore Year - Spring Semester

INDM 1570 INDUSTRIAL HYD I (FLUID POWER) 3
INDM 1580 INDUSTRIAL HYD II (FLUID POWER) 3
INDM 1585 INDUSTRIAL HYDRAULICS III 3
TECH 1600 INDUSTRIAL SAFETY 3
US GOVERNMENT 3
ASSESSMENT REQUIREMENT 0-1

15-16

INDM 1570-1585: Required courses receive A.A.S. degree in Industrial Maintenance.

Total Credit Hours: 64-65

Power Plant Maintenance Mechanics Certificate

This one year 44 credit certificate program is designed to meet the needs of the power plant apprentice mechanics.

Required Courses

INDM 1510 INDUSTRIAL MECHANICS I 3
INDM 1520 INDUSTRIAL MECHANICS II 3
INDM 1530 INDUSTRIAL MECHANICS III 3
INDM 1540 INDUSTRIAL MECHANICS IV 3
INDM 1550 INDUSTRIAL MECHANICS V 3
INDM 1560 PREVENTIVE MAINTENANCE 3
INDM 1570 INDUSTRIAL HYD I (FLUID POWER) 3
INDM 1580 INDUSTRIAL HYD II (FLUID POWER) 3
INDM 1585 INDUSTRIAL HYDRAULICS III 3
WELD 1710 OXYACETYLENE WELDING 2
WELD 1715 OXYACETYLENE CUTTING 1
WELD 1755 SHIELDED METAL ARC WELDING 3
WELD 1760 ADV. SHIELDED METAL ARC WELDING 3
WELD 1770 GAS METAL ARC WELDING 3
WELD 1774 GAS METAL ARC WELDING - PIPE 3
WELD 1776 FLUX CORED ARC WELDING- PIPE 3
WELD 1780 GAS TUNG ARC WELDING - PLATE 4
WELD 1840 GROOVE WELDING PLATE 3
WELD 1860 WELDING FABRICATION 3
WELD 1950 SMAW STAINLESS STEEL BASIC 3
WELD 1960 SUBMERGED ARC WELDING 2
WELD 2510 PIPE WELD I:SCHEUDLE 40 3
WELD 2520 PIPE WELD II:SCHEUD 80 PIPE 3
WELD 2530 DOWNHILL PIPE WELDING 3
WELD 2540 PIPE LAYOUT AND FABRICATION 4
WELD 2630 WELDING FOR THE ARTS I 3
WELD 2635 WELDING FOR THE ARTS II 3
WELD 2650 GAS TUNGSTEN ARC WELDING--PIPE 3
WELD 2660 STAINLESS PIPE WELDING 3
MCH 2740 MACHINE TOOL PROCESSES I 4
MCH 2750 MACHINE TOOL PROCESSES II 4
TECH 1550 GENERAL METALLURGY 3
TECH 1680 READING TECHNICAL SCHEMATICS 3

Total Credit Hours: 42

Underground Maintenance Mechanics Certificate

This one-year 39-credit certificate program is designed to meet the needs of one of our local industries. The program is designed to give the trainee additional mechanical, hydraulic, welding and electrical training which they can use in underground maintenance industry.

Required Courses

INDM 1510 INDUSTRIAL MECHANICS I 3
INDM 1520 INDUSTRIAL MECHANICS II 3
INDM 1530 INDUSTRIAL MECHANICS III 3
INDM 1540 INDUSTRIAL MECHANICS IV 3
INDM 1550 INDUSTRIAL MECHANICS V 3
INDM 1560 PREVENTIVE MAINTENANCE 3
INDM 1570 INDUSTRIAL HYD I (FLUID POWER) 3
INDM 1580 INDUSTRIAL HYD II (FLUID POWER) 3
INDM 1585 INDUSTRIAL HYDRAULICS III 3
ELTR 1520 BASIC ELECTRICITY, DC 3
ELTR 1530 BASIC ELECTRICITY, AC 3
WELD 1710 OXYACETYLENE WELDING 2
WELD 1715 OXYACETYLENE CUTTING 1
WELD 1755 SHIELDED METAL ARC WELDING 3
WELD 1760 ADV. SHIELDED METAL ARC WELDING 3
WELD 1770 GAS METAL ARC WELDING 3
WELD 1774 GAS METAL ARC WELDING - PIPE 3
WELD 1776 FLUX CORED ARC WELDING- PIPE 3
WELD 1780 GAS TUNG ARC WELDING - PLATE 4
WELD 1840 GROOVE WELDING PLATE 3
WELD 1860 WELDING FABRICATION 3
WELD 1950 SMAW STAINLESS STEEL BASIC 3
WELD 1960 SUBMERGED ARC WELDING 2
WELD 2510 PIPE WELD I:SCHEUDLE 40 3
WELD 2520 PIPE WELD II:SCHEUD 80 PIPE 3
WELD 2530 DOWNHILL PIPE WELDING 3
WELD 2540 PIPE LAYOUT AND FABRICATION 4
WELD 2630 WELDING FOR THE ARTS I 3
WELD 2635 WELDING FOR THE ARTS II 3
WELD 2650 GAS TUNGSTEN ARC WELDING--PIPE 3
WELD 2660 STAINLESS PIPE WELDING 3
WELD 2830 WELDING FOR THE ARTS III 3
TECH 1550 GENERAL METALLURGY 3
TECH 1680 READING TECHNICAL SCHEMATICS 3

Total Credit Hours: 16
Total Credit Hours: 39

**Industrial Safety**

Industrial or occupational health and safety is the science and practice of anticipation, recognition, evaluation, and control of health hazards arising from the work environment. It includes a range of aspects of health and safety in the workplace, such as, physical injury, on-the-job-stress, and biological and chemical hazards.

The Industrial Safety program offers the Associate of Applied Science degree as well as a Certificate in Industrial Safety. The A.A.S. degree will provide the tools and training for professional success for those already involved in the field of industrial safety and health. It is not intended for those without experience. When combined with experience in the field, the program will provide the knowledge and skills needed to qualify for taking the Safety Fundamentals Exam for certification by the Board of Certified Safety Professionals (BCSP).

**Industrial Health and Safety AAS Degree**

This is a flexible option program with many courses taught in intense short block courses of 1, 2, and 5 weeks.

**Degree Requirements**

**Required Courses:** All courses listed are required (23-25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TECH 1600</td>
<td>Industrial Safety</td>
<td>3</td>
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<tr>
<td>EMGT 1530</td>
<td>Emergency Planning for Disaster</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 2640</td>
<td>Disaster Resource &amp; Recovery Operations</td>
<td>3</td>
</tr>
<tr>
<td>HLTK 1670</td>
<td>Basic Emergency Care</td>
<td>3</td>
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<tr>
<td>SAFE 1501</td>
<td>Health, Safety &amp; Environ. Systems Mgmt</td>
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<td>SAFE 1502</td>
<td>Fundamentals of Industrial Hygiene Approved Management/Leadership Courses</td>
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**Directly Related Courses:** 21 credits minimum from the following list

<table>
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<td>Electrical Safety Awareness II</td>
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<td>EMGT 1500</td>
<td>Principles of Emergency Management</td>
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<td>Disaster Exercise Design &amp; Evaluation</td>
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<tr>
<td>INDM 1595</td>
<td>Special Topics in Ind Maint:</td>
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<tr>
<td>MGT 1000</td>
<td>Introduction to Supervision</td>
<td>3</td>
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<tr>
<td>MINE 1500</td>
<td>Introduction to Mining</td>
<td>3</td>
</tr>
<tr>
<td>MINE 1850</td>
<td>MSHA Surface New Miner</td>
<td>1.5</td>
</tr>
<tr>
<td>MINE 1870</td>
<td>MSHA Underground New Miner</td>
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<tr>
<td>OGPT 1501</td>
<td>Well Cap Drilling</td>
<td>2.5</td>
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<td>SAFE 1544</td>
<td>Haz Waste Operations &amp; Emergency Response</td>
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<tr>
<td>SAFE 1543</td>
<td>Contractor Expectations Safety Orient</td>
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<tr>
<td>SAFE 1545</td>
<td>Safety &amp; Rigging for Industry</td>
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<tr>
<td>TTD 1500</td>
<td>Novice CDL Training</td>
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Industrial Safety Certificate

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<td>OR</td>
<td></td>
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<tr>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS:</td>
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<td>HLTK 1670</td>
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<tr>
<td>or</td>
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<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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Total Credit Hours: 12-14

Required Courses:
- COSC 1200: COMPUTER INFORMATION SYSTEMS
- OR
- CMAP 1750: SPREADSHEET APPLICATIONS
- HLTK 1670: BASIC EMERGENCY CARE
- HLED 1225: FIRST AID AND CPR
- Or
- TECH 1600: INDUSTRIAL SAFETY

Directly-related course options—a minimum of 9 credits is required:
- HLTK 1505: PHTLS: PRE-HOSPITAL TRAUMA LIFE SUPPORT
- IND 1855: SPECIAL TOPICS IN IND MAINT.
- MINE 1500: INTRODUCTION TO MINING
- MINE 1850: MSHA SURFACE NEW MINER
- MINE 1870: MSHA UNDERGROUND NEW MINER
- SAFE 1501: HEALTH, SAFETY & ENVIRON. SYS
- SAFE 1502: FUND OF INDUSTRIAL HYGIENE
- SAFE 1543: CONTRACTOR EXP SAFETY ORIENT
- SAFE 1551: SAFETY & RIGGING FOR INDUSTRY
- SAFE 1553: GENERAL INDUSTRY SAFETY I
- SAFE 1555: GENERAL INDUSTRY SAFETY II
- SAFE 1552: CONSTRUCTION INDUSTRY SAFETY I
- SAFE 1554: CONSTRUCTION INDUSTRY SAFETY II
- SAFE 1544: HAZ WASTE OPERATIONS & EMERGENCY RESPONSE
- OGPT 1501: WELL CAP DRILLING
- ELTR 1501: ELECTRICAL SAFETY AWARENESS I
- ELTR 1502: ELECTRICAL SAFETY AWARENESS II

Mineral Maintenance Technology AAS Degree

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
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<td>IND 1510</td>
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<td>IND 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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<td>IND 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
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<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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#### Freshman Year - Spring Semester

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<tbody>
<tr>
<td>IND 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
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<td>IND 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
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<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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Total Credit Hours: 21-23

### Mining Maintenance Technology

The Mining Maintenance Technology program is designed to prepare the student for employment in the mining industry. The student will acquire the ability to troubleshoot, repair and maintain mining equipment as a result of training in mechanics, diesel technology, and hydraulics. The student will also receive training in related industrial technology courses. A graduate of this program with a one-year certificate or two-year degree can be a valuable asset to the mine maintenance field.

#### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
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<td>IND 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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<td>IND 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
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<td>ENGL 1010</td>
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<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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#### Sophomore Year - Spring Semester

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>IND 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
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<td>IND 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
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<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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</table>

Total Credit Hours: 16-18
INDM 1570, INDM 1580, INDM 1585, MCH 2740, and MINE 1500:
Required courses to receive A.A.S. Degree in Mining Maintenance Technology
Total Credit Hours: 67-68

Mining Maintenance Technology Certificate
Requirements List
INDM 1510  INDUSTRIAL MECHANICS I  3
INDM 1520  INDUSTRIAL MECHANICS II  3
INDM 1530  INDUSTRIAL MECHANICS III  3
TECH 1680  READING TECHNICAL SCHEMATICS  3
INDM 1570  INDUSTRIAL HYDRAULICS I (FLUID POWER)  3
INDM 1580  INDUSTRIAL HYDRAULICS II (FLUID POWER)  3
INDM 1585  INDUSTRIAL HYDRAULICS III  3
DESL 1595  DIESEL FUNDAMENTALS  3
TECH 1600  INDUSTRIAL SAFETY  3
ANY 2 WELDING COURSES (EXCLUDING WELD 1710, 2630, OR 2635)  6

Total Credit Hours: 39

Electrical Mine Maintenance Certificate
This certificate is designed to prepare students for a career in the electrical maintenance field in the mining industry. To receive this certificate students must complete all courses listed below.
Requirements List
ELTR 1505  ELECTRICAL ASSEMBLY & MEASURE  3
ELTR 1520  BASIC ELECTRICITY, DC  3
ELTR 1530  BASIC ELECTRICITY, AC  3
ELTR 1700  INTRODUCTION TO SOLID STATE ELECTRONICS  4
ELTR 1840  INSTRUMENTATION I  3
OR
ELTR 1841  INSTRUMENTATION I FOR INDUSTRY  2.5
OR
ELTR 1850  INSTRUMENTATION-OIL & GAS PRODUCTION  3
ELTR 2815  PROGRAMMABLE LOGIC CONTROLLERS  3
ELTR 2820  POWER DISTRIBUTION  3
ELTR 2840  MOTOR CONTROLS  3
ELTR 2885  INSTRUMENTATION II  3
TECH 1680  READING TECHNICAL SCHEMATICS  3
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
OR
COLLEGE LEVEL MATH  3-4

Total Credit Hours: 33.5-35

Natural Gas Compression Technology
The Natural Gas Compression Technology program is designed to prepare the student for employment in the natural gas compression industry. The student will acquire the ability to troubleshoot, repair and maintain compression equipment as a result of lecture and hands-on training in compression theory, pneumatics, compressor mechanics, gas engine mechanics, electric motors, precision measuring, alignment, vibration analysis, oil analysis, rigging, balancing and safety. The student will also receive training in related industrial technology courses. A graduate of this program with a one-year certificate or two-year degree will be a valuable asset to the natural gas compression industry.

Natural Gas Compression Technology Certificate
Required Courses
TECH 1600  INDUSTRIAL SAFETY  3
INDM 1590  INDUSTRIAL PNEUMATICS  3
CMPT 1510  COMPRESSION TECHNOLOGY I  3
CMPT 1520  COMPRESSION TECHNOLOGY II  3
CMPT 1530  COMPRESSION TECHNOLOGY III  3
INDM 1530  INDUSTRIAL MECHANICS III  3
ELTR 2840  MOTOR CONTROLS  3
ELTR 1850  INSTRUMENTATION-OIL & GAS PRODUCTION  3
DESL 1595  DIESEL FUNDAMENTALS  3
AUTO 1765  AUTOMOTIVE ELECTRICAL SYSTEMS I  3
ELTR 1520  BASIC ELECTRICITY, DC  3
COSC 1200  COMPUTER INFORMATION SYSTEMS  3

Total Credit Hours: 36

Natural Gas Compression Technology AAS Degree
Degree Requirements
Freshman Year - Fall Semester
OGPT 1510  OIL & GAS PRODUCTION I  3
OGPT 1520  OIL & GAS PRODUCTION II  3
OGPT 1530  OIL & GAS PRODUCTION III  3
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
MATH 1000  PROBLEM SOLVING  3
OR
PHYS 1050  CONCEPTS OF PHYSICS  4
INDM 1590  INDUSTRIAL PNEUMATICS  3

Total Credit Hours: 18-19

Freshman Year - Spring Semester
CMPT 1510  COMPRESSION TECHNOLOGY I  3
CMPT 1520  COMPRESSION TECHNOLOGY II  3
CMPT 1530  COMPRESSION TECHNOLOGY III  3
ENGL 1010  ENGLISH COMPOSITION I  3
COMM 1030  INTERPERSONAL COMMUNICATION  3

Total Credit Hours: 16

College of Engineering & Technology
### Sophomore Year - Fall Semester

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>INDM 1530</td>
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<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS</td>
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<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I</td>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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<td>US GOVERNMENT</td>
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INDM 1530, DESL 1595, and AUTO 1765: Courses required for A.A.S. Degree in Natural Gas Compression Technology

### Sophomore Year - Spring Semester

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<td>ELTR 2840</td>
<td>MOTOR CONTROLS</td>
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<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
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<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
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<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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<td>TECH 1680</td>
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ELTR 2840, ELTR 1520, ELTR 1850, and TECH 1600: Courses required for A.A.S. Degree in Natural Gas Compression Technology

**Total Credit Hours: 65-67**

### Oil and Gas Production Technology

The Oil and Gas Production Technology Program offers students core courses related to Process Operations. It is designed to develop technical knowledge regarding gas operations, and prepare students to develop careers as Production Technicians in the natural gas industry.

### Oil and Gas Production Operator Certificate

#### Fall Semester

<table>
<thead>
<tr>
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<tr>
<td>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
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<td>OGPT 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
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<td>OGPT 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
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<td>INTERPERSONAL COMMUNICATION</td>
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<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
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*OGPT 1510, OGPT 1520, OGPT 1530, ELTR 1520: For students continuing coursework beyond the One-Year Certificate, these courses are also required to earn the A.A.S. degree in Oil Gas Production Technology.

#### Spring Semester

<table>
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<tr>
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<td>OGPT 1515</td>
<td>OIL &amp; GAS PUMP TECHNOLOGY</td>
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<td>OGPT 1540</td>
<td>OIL &amp; GAS PRODUCTION IV</td>
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<td>HLED 1225</td>
<td>FIRST AID AND CPR</td>
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<td>COSC 1200</td>
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<tr>
<td>ELTR 1850</td>
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INDM 1590, OGPT 1515, OGPT 1540, ELTR 1850: For students continuing coursework beyond the One-Year Certificate, these courses are also required to earn the A.A.S. degree in Oil Gas Production Technology.

**Total Credit Hours: 35**

### Oil and Gas Production Technology AAS Degree

#### Degree Requirements

**Freshman Year - Fall Semester**

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<tr>
<td>OGPT 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
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<tr>
<td>OGPT 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
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OGPT 1510, OGPT 1520, and OGPT 1530: Required to earn A.A.S. Degree in Oil Gas Production Technology

**Freshman Year - Spring Semester**

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<td>OGPT 1515</td>
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INDM 1590, OGPT 1515, and OGPT 1540: Required to earn A.A.S. Degree in Oil Gas Production Technology

**Summer Session**

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OGPT 2470</td>
<td>INTERNSHIP: OIL &amp; GAS TECHNOLOGY</td>
<td>3-6</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

3 to 6 variable (Optional)

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ELTR 2840</td>
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<td>ELTR 1530</td>
<td>INTERPERSONAL COMMUNICATION</td>
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<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
<td>4</td>
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<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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ELTR 1850: Required to earn A.A.S. Degree in Oil Gas Production Technology

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<tr>
<td>ELTR 1520</td>
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<td>DIRECTLY RELATED ELECTIVES</td>
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<tr>
<td>TECH 1680</td>
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<td><strong>ASSESSMENT REQUIREMENT</strong></td>
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<td><strong>Total</strong></td>
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</tbody>
</table>

ELTR 1520: Required to earn A.A.S. Degree in Oil Gas Production Technology

**Total Credit Hours: 65-69**
Welding Technology

The Welding Technology program has been designed to prepare the student to enter the workforce as a qualified entry-level welder. A Qualified Welder is one who is Certified in one or more welding processes and who has an understanding of the basic requirements of the craft. All Welding Options have been designed to teach the student the welding techniques and processes used in that particular field. Emphasis will be placed on welding safety and weld quality.

Students seeking an A.A.S. degree may choose one of three options: Fabrication Shop Welding, Mine Maintenance Welding, or Industrial Plant Welding. In addition, we offer a one-year Skills Proficiency Certificate in the same areas.

The welding lab at Western Wyoming Community College is an American Welding Society Accredited Testing Facility. As such, as students go through our program, they will be given the opportunity to pass weld qualification tests. If successful, students will be issued Welder Performance Qualification Test records to verify their skills.

Jobs available to Certified Welders include: Plant Maintenance Welder (Power Plants, Chemical Plants, Oil Refineries), Oilfield Facilities/Pipeline Welding, Fabrication Shop Fitter/Welders, and many others.

Welding Technology - Fabrication Shop Option Certificate

Fabrication Shop Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING</td>
<td>1</td>
</tr>
<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1760</td>
<td>ADV. SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1770</td>
<td>GAS METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1774</td>
<td>GAS METAL ARC WELDING - PIPE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1776</td>
<td>FLUX CORED ARC WELDING - PIPE</td>
<td>3</td>
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<tr>
<td>WELD 1780</td>
<td>GAS TUNG ARC WELDING - PLATE</td>
<td>4</td>
</tr>
<tr>
<td>WELD 1840</td>
<td>GROOVE WELDING PLATE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1960</td>
<td>SUBMERGED ARC WELDING</td>
<td>2</td>
</tr>
<tr>
<td>TECH 1550</td>
<td>GENERAL METALLURGY</td>
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<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
<td>3</td>
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<tr>
<td>TECH 1680</td>
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Total Credit Hours: 33

Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>WELD 1770</td>
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<tr>
<td>WELD 1774</td>
<td>GAS METAL ARC WELDING - PIPE</td>
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<td>TECH 1550</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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Total Credit: 18

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
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<td>WELD 1780</td>
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<td>ENGL 2010</td>
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<td>APPROVED COMPUTER COURSE</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
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</tr>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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</table>

Total Credit: 15

Total Credit Hours: 67-68

Welding Technology - Industrial Plant Option Certificate

Requirements List

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING</td>
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<tr>
<td>WELD 1780</td>
<td>GAS TUNG ARC WELDING - PLATE</td>
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<td>WELD 1840</td>
<td>GROOVE WELDING PLATE</td>
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<td>WELD 1950</td>
<td>SMAW STAINLESS STEEL BASIC</td>
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<td>WELD 2510</td>
<td>PIPE WELD I: SCHEDULE 40</td>
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<td>WELD 2540</td>
<td>PIPE LAYOUT AND FABRICATION</td>
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<td>WELD 2670</td>
<td>WELDING INSPECTION TECHNOLOGY</td>
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<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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Total Credit: 15-16

Total Credit Hours: 34

Welding Technology Fabrication Shop Option AAS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>WELD 1715</td>
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<td>WELD 1840</td>
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<tr>
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Total Credit: 19

Freshman Year - Spring Semester

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<thead>
<tr>
<th>Course</th>
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<tr>
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</table>

Total Credit: 18

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
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<tr>
<td>COMM 1030</td>
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</table>

Total Credit: 15

Total Credit Hours: 67-68

Welding Technology - Industrial Plant Option Certificate

Requirements List

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>WELD 2510</td>
<td>PIPE WELD I: SCHEDULE 40</td>
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<td>WELD 2540</td>
<td>PIPE LAYOUT AND FABRICATION</td>
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<td>WELD 2670</td>
<td>WELDING INSPECTION TECHNOLOGY</td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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Total Credit: 15-16

Total Credit Hours: 34
### Welding Technology Industrial Plant Option
#### A.A.S. Degree

#### Degree Requirements

**Freshman Year - Fall Semester**
- WELD 1755: SHIELDED METAL ARC WELDING 3
- WELD 1760: ADV. SHIELDED METAL ARC WELDING 3
- TECH 1600: INDUSTRIAL SAFETY 3
- TECH 1680: READING TECHNICAL SCHEMATICS 3
- US GOVERNMENT 3

\[ \text{Total Credit Hours: } 19 \]

- WELD 1715, WELD 1755, WELD 1760, WELD 1950, TECH 1600, and TECH 1680: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

**Freshman Year - Spring Semester**
- WELD 1840: GROOVE WELDING PLATE 3
- WELD 2510: PIPE WELD I: SCHEDULE 40 3
- WELD 2650: GAS TUNGSTEN ARC WELDING - PIPE 3
- ENGL 1010: ENGLISH COMPOSITION I 3
- TECH 1550: GENERAL METALLURGY 3
- COMM 1030: INTERPERSONAL COMMUNICATION 3

\[ \text{Total Credit Hours: } 19 \]

- WELD 1840, WELD 2510, WELD 2650, and TECH 1550: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

**Sophomore Year - Fall Semester**
- WELD 2540: PIPE LAYOUT AND FABRICATION 4
- WELD 1780: GAS TUNGSTEN ARC WELDING - PLATE 4
- WELD 2650: GAS TUNGSTEN ARC WELDING - PIPE 3
- ENGL 2010: TECHNICAL WRITING 3
- HEALTH & HUMAN ACTIVITY 1

\[ \text{Total Credit Hours: } 14 \]

- WELD 2540, WELD 1780, and WELD 2650: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

**Sophomore Year - Spring Semester**
- WELD 2660: STAINLESS STEEL PIPE WELDING 3
- WELD 2670: WELDING INSPECTION TECHNOLOGY 4
- PHYS 1050: CONCEPTS OF PHYSICS 4

\[ \text{Total Credit Hours: } 14-15 \]

- WELD 2660, and WELD 2670: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

**Total Credit Hours: 66-67**

### Welding Technology - Mine Maintenance Option Certificate

#### Requirements List

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>WELD 1710: OXYACETYLENE WELDING</td>
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<td>WELD 1715: OXYACETYLENE CUTTING</td>
<td>1</td>
</tr>
<tr>
<td>WELD 1755: SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1760: ADV. SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1770: GAS METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1780: GAS TUNG ARC WELDING - PLATE</td>
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</tr>
<tr>
<td>WELD 1840: GROOVE WELDING PLATE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1950: SMAW STAINLESS STEEL BASIC</td>
<td>3</td>
</tr>
<tr>
<td>WELD 2530: DOWNHILL PIPE WELDING</td>
<td>4</td>
</tr>
<tr>
<td>TECH 1550: GENERAL METALLURGY</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600: INDUSTRIAL SAFETY</td>
<td>3</td>
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<tr>
<td>TECH 1680: READING TECHNICAL SCHEMATICS</td>
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</tbody>
</table>

\[ \text{Total Credit Hours: } 15-16 \]

### Welding Technology Mine Maintenance Option A.A.S Degree

#### Degree Requirements

**Freshman Year - Fall Semester**
- WELD 1710: OXYACETYLENE WELDING 2
- WELD 1715: OXYACETYLENE CUTTING 1
- WELD 1755: SHIELDED METAL ARC WELDING 3
- WELD 1760: ADV. SHIELDED METAL ARC WELDING 3
- TECH 1600: INDUSTRIAL SAFETY 3
- TECH 1680: READING TECHNICAL SCHEMATICS 3

\[ \text{Total Credit Hours: } 33 \]

- WELD 1710, WELD 1715, WELD 1755, WELD 1760, TECH 1600, and TECH 1680: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

**Freshman Year - Spring Semester**
- WELD 1950: SMAW STAINLESS STEEL BASIC 3
- WELD 1840: GROOVE WELDING PLATE 3
- WELD 1770: GAS METAL ARC WELDING 3
- ENGL 1010: ENGLISH COMPOSITION I 3
- TECH 1550: GENERAL METALLURGY 3
- HEALTH & HUMAN ACTIVITY 1

\[ \text{Total Credit Hours: } 18 \]

- WELD 1950, WELD 1840, WELD 1770, and TECH 1550: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

**Sophomore Year - Fall Semester**
- WELD 2510: PIPE WELD I: SCHEDULE 40 3
- WELD 2530: DOWNHILL PIPE WELDING 3
- ENGL 2010: TECHNICAL WRITING 3
- APPROVED COMPUTER COURSE 3
- COMM 1030: INTERPERSONAL COMMUNICATION 3
- HEALTH & HUMAN ACTIVITY 1

\[ \text{Total Credit Hours: } 16 \]

- WELD 2510, and WELD 2530: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

**Sophomore - Spring Semester**
- WELD 1780: GAS TUNGSTEN ARC WELDING - PLATE 4
- WELD 2540: PIPE LAYOUT AND FABRICATION 4
- WELD 2670: WELDING INSPECTION TECHNOLOGY 4
- PHYS 1050: CONCEPTS OF PHYSICS 4

\[ \text{Total Credit Hours: } 16 \]

- WELD 1780, WELD 2540, and WELD 2670: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

**Total Credit Hours: 65-66**
Visual and Performing Arts

The Visual Performing Arts programs at Western are designed for an individual to explore and develop creative talents and abilities. Visual Performing Arts can be the core of a general studies program and the student can earn an Associate of Arts degree with emphasis in Art, Ceramics, Dance, Music, Musical Theatre, Technical Theatre or Theatre. Students wishing a concentrated course of study may choose to earn an Associate of Fine Arts degree in Visual Arts: 2-D, Musical Theatre, or Technical Theatre. The Associate of Fine Arts degree prepares the student for professional work or future studies in a Bachelor of Fine Arts or Bachelor of Arts program.

Suggested programs in each of the following areas of emphasis are offered as general guidelines. Each student’s program will be mutually devised by the student and the student’s advisor to fit individual needs and abilities. Transfer students should consult the catalog of the transfer school of their choice for comparison.

Art Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
ART 1005 DRAWING I 3
ART 1110 DESIGN: 2D 3
ART 1120 DESIGN: 3D 3
ART 2410 CERAMICS I 3
ART 2210 PAINTING I 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
HEALTH & HUMAN ACTIVITY 1

Freshman Year - Spring Semester
ART 2005 DRAWING II 3
ART 1130 DESIGN: COLOR 3
ENGL 1020 ENGLISH COMPOSITION II 3
ART 2220 PAINTING II 3
US GOVERNMENT 3
SOCIAL SCIENCE 3
ART 2479-2489 SPECIAL PROJECTS IN ART 1-3

Sophomore Year - Fall Semester
ART 2410 CERAMICS I 3
ART 1120 DESIGN: 3D 3
ART 2120 GRAPHIC DESIGN I 3
ART 2479-2489 SPECIAL PROJECTS IN ART 1-3
ART 2495 WORKSHOPS IN ART: 1
ART 2010 ART HISTORY I 3
ART 2090 PRINTMAKING I 3
ART 1150 PHOTOGRAPHY I 3
ASSESSMENT REQUIREMENT 0-1

Additional electives may be taken in ceramics and photography.
Total Credit Hours: 75-79

Visual Arts 2D AFA Degree

Degree Requirements

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
ART 1110 DESIGN: 2D 3
ART 1005 DRAWING I 3
ART 2210 PAINTING I 3
SOCIAL SCIENCE 3
HEALTH & HUMAN ACTIVITY 1

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
OR
ENGL 1111 ADVANCED COMPOSITION 3
OR
ENGL 2010 TECHNICAL WRITING 3
ART 1130 DESIGN: COLOR 3
ART 2005 DRAWING II 3
ART 2220 PAINTING II 3
SOCIAL SCIENCE 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3

Sophomore Year - Fall Semester
ART 2010 ART HISTORY I 3
ART 1150 PHOTOGRAPHY I 3
2D ELECTIVE 3
3D ELECTIVE 3
LAB SCIENCE OR COLLEGE LEVEL MATH 3-4
WORKSHOPS/STUDIES/SPEC PROJECTS 1-3
HEALTH & HUMAN ACTIVITY 1

Sophomore Year - Spring Semester
ART 2230 PAINTING III 3
ART 2020 ART HISTORY II 3
ART 2050 LIFE DRAWING 3
2D approved electives: ART 1178, 1250, 2090, 2095, 2175, 2230
3D approved electives: ART 1310, 2410, 2420
It is strongly recommended that students consider taking some general education requirements within the summer session.
Sophomore Year - Spring Semester
ART 2020  ART HISTORY II  3
ART 1160  PHOTOGRAPHY II  3
ART 2050  LIFE DRAWING  3
ART 2120  GRAPHIC DESIGN I  3
2D ELECTIVE  3
OR
3D ELECTIVE  3
US GOVERNMENT  3
ASSESSMENT REQUIREMENT  0-1
18-19

Students must complete all classes listed before they will receive the degree.

2D approved electives: ART 1178, 1250, 2090, 2095, 2175, 2230
3D approved electives: ART 1310, 2410, 2420

It is strongly recommended that students consider taking some general education requirements within the summer session.

Total Credit Hours: 69-73

Ceramics Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester
ART 2410  CERAMICS I  3
ART 1110  DESIGN: 2D  3
ENGL 1010  ENGLISH COMPOSITION I  3
ART 1005  DRAWING I  3
WORKSHOP/STUDIES IN ART  1
HEALTH & HUMAN ACTIVITY  1
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
17
Freshman Year - Spring Semester
ART 2420  CERAMICS II  3
ART 1120  DESIGN: COLOR  3
ENGL 1020  ENGLISH COMPOSITION II  3
SOCIAL SCIENCE  3
WORKSHOP/STUDIES IN ART  1
HEALTH & HUMAN ACTIVITY  1
17
Sophomore Year – Fall Semester
ART 2010  ART HISTORY I  3
COLLEGE LEVEL MATH  3-4
ART 1150  PHOTOGRAPHY I  3
US GOVERNMENT  3
SOCIAL SCIENCE  3
ART 2430  CERAMICS III  3
WORKSHOP/STUDIES IN ART  1
19-20
Sophomore Year - Spring Semester
ART 2445  CERAMIC STUDIO  1-3
ART 2020  ART HISTORY II  3
ART 2005  DRAWING II  3
LAB SCIENCE  4
ART 2440  CERAMICS IV  3
WORKSHOP/STUDIES IN ART  1
ASSESSMENT REQUIREMENT  0-1
17-18

Dance Emphasis AA Degree

Suggested Program

Freshman Year – Fall Semester
THEA 1410  BALLET I/I  1
THEA 1430  MODERN DANCE I/I  1
THEA 1100  ACTING  3
THEA 1500  DANCE PERFORMANCE  2
ENGL 1010  ENGLISH COMPOSITION I  3
COLLEGE LEVEL MATH  3-4
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
THEA 1310  CORE COND FOR WHOLE BODY CONNECTIVITY AND 
PEAC 2005  PERSONALIZED FITNESS I  2
OR 
PEAC 1290  PHYSICAL CONDITIONING:  1
17-19
Freshman Year - Spring Semester
THEA 1420  BALLET II/I  1
THEA 1440  MODERN DANCE II/I  1
THEA 1480  JAZZ DANCE I  1
THEA 2212  DANCE IMPROVISATION  2
THEA 2472  THEATRE & DANCE PRACTICUM II  2
HOEC 1140  NUTRITION  3
BIOL 1010  GENERAL BIOLOGY  4
RECOMMENDED ELECTIVE  3
17
Recommended Electives: Freshman Spring Semester: Intro to Business (BADM 1000), Intro to Early Childhood Education (EDEC 1020), Intro to Music (MUSC 1000), Personalized Fitness II (PEAC 2006), Intro to Theatre (THEA 1000), Stagecraft (THEA 2220)

Sophomore Year - Fall Semester
THEA 2410  BALLET II/I  1
THEA 2430  MODERN DANCE II/I  1
THEA 2480  JAZZ DANCE II  1
THEA 2215  DANCE COMPOSITION  2
THEA 1500  DANCE PERFORMANCE  2
ENGL 1020  ENGLISH COMPOSITION II  3
COMM 1030  INTERPERSONAL COMMUNICATION  3
ART 1110  DESIGN: 2D  3
OR 
THEA 2270  BEGINNING LIGHTING DESIGN  3
16
Sophomore Year - Spring Semester
THEA 2420  BALLET II/I  1
THEA 2440  MODERN DANCE II/I  1
THEA 1450  TAP DANCE  1
THEA 2472  THEATRE & DANCE PRACTICUM II  2
PSYC 1000  GENERAL PSYCHOLOGY  4
US GOVERNMENT  3
RECOMMENDED ELECTIVE  3
ASSESSMENT REQUIREMENT  0-1
15-16
Recommended Electives: Freshman Spring Semester: Intro to Business (BADM 1000), Intro to Early Childhood Education (EDEC 1020), Intro to Music (MUSC 1000), Personalized Fitness II (PEAC 2006), Intro to Theatre (THEA 1000), Stagecraft (THEA 2220)

Sophomore Spring Semester: Intro to Cultural Anthropology (ANTH 1200), Photography I (ART 1150), First Aid CPR (HLED 1020), Intro to Business (BADM 1000), Intro to Early Childhood Education (EDEC 1020), Intro to Music (MUSC 1000), Personalized Fitness II (PEAC 2006), Intro to Theatre (THEA 1000), Stagecraft (THEA 2220)
Music Emphasis AA Degree

Suggested Program

Freshman Year - Fall Semester

<table>
<thead>
<tr>
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<td>MUSC 1290</td>
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<td>MUSC 1295</td>
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<td>ENGL 1020</td>
<td>English Composition I</td>
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<td>COCS 1200</td>
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MUSC 1030, MUSC 1035, and MUSC 1290: Courses generally required for music majors at a four-year institution.

Freshman Year - Spring Semester

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MUSC 1040, MUSC 1045, and MUSC 1291: Courses generally required for music majors at a four-year institution.

Sophomore Year - Fall Semester

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<td>MUSC 2035</td>
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<td>Class Piano III</td>
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<td>MUSC 2050</td>
<td>Music History Survey I</td>
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<td>MUSC 1295</td>
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<td>MUSC 1296</td>
<td>Ensemble</td>
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<td>ENGL 1020</td>
<td>Lab Science</td>
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MUSC 2030, MUSC 2035, and MUSC 1295: Courses generally required for music majors at a four-year institution.

Sophomore Year - Spring Semester

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<td>MUSC 1296</td>
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<td>MUSC 2055</td>
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<td>ENGL 1020</td>
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MUSC 2040, MUSC 2045, and MUSC 1296: Courses generally required for music majors at a four-year institution.


Total Credit Hours: 65-68

Musical Theatre

The Musical Theatre Program at Western Wyoming College offers students the opportunity to study the individual art forms of Theatre, Music, and Dance, along with the core of the program which is the study of how the three relate and synergize to form the unique art of Musical Theatre. The program takes an intensive, hands-on, studio approach with emphasis on an organic process leading to a truthful and energized performance. A liberal arts preparation also assists students as they make choices concerning their future. Musical Theatre is a demanding field often requiring a total college education of more than four years. Based upon the individual student’s career objectives, the student may choose at Western between the five-semester Associate of Fine Arts Degree and the four-semester Associate of Arts degree.

Musical Theatre AFA Degree

The AFA degree is offered for students considering careers as professional performing artists. The course work will prepare a student for immediate professional work, but additional education is highly recommended. The AFA provides learning opportunities that will make the student well-rounded in the performing arts and is therefore also an excellent program for preparing a student for the diverse demands teachers face in the performing arts. The AFA degree is an intensive study in the application of the art form and prepares students to transfer into Bachelor of Fine Arts or Bachelor of Arts programs at a four-year university.

Core Requirements

The degree is designed to give the student an essential core of classes in Music, Dance, Theatre, Musical Theatre and experience in production. All AFA students must take all forty-nine (49) credits from the core groups listed below:

Degree Requirements

Music Core (8 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>Written Theory I-Musical</td>
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<td>MUSC 2040</td>
<td>Class Piano I</td>
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<tr>
<td>MUSC 1290</td>
<td>Applied Music</td>
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<tr>
<td>MUSC 2073</td>
<td>Vocal Ensemble</td>
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<tr>
<td>THEA 1460</td>
<td>Musical Theatre Ensemble</td>
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Theatre Core (12 credits)

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<tr>
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<th>Course Title</th>
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<td>Acting</td>
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<tr>
<td>THEA 1000</td>
<td>Intro to Theatre</td>
<td>3</td>
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<tr>
<td>THEA 1025</td>
<td>Theatre Ethics</td>
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<td>THEA 2160</td>
<td>STAGE MAKE-UP</td>
<td>2</td>
</tr>
<tr>
<td>THEA 2220</td>
<td>Stagecraft</td>
<td>3</td>
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</table>
### Dance Core (7 credits)
- THEA 1430 MODERN DANCE I/I 1
- THEA 1440 MODERN DANCE I/I 1
- THEA 1410 BALLET I/I 1
- THEA 1420 BALLET I/I 1
- THEA 1480 JAZZ DANCE I 1
- THEA 2480 JAZZ DANCE II 1
- THEA 1450 TAP DANCE 1

**7**

THEA 2480: Level II dance technique classes may be repeated three times for credit and may replace Level I classes in the curriculum.

### Musical Theatre Core (10 credits)
- THEA 1110 ACTING FOR MUSICAL THEATRE 3
- THEA 2110 ACTING FOR MUSICAL THEATRE II 3
- THEA 1120 AMERICAN MUSICAL THEATRE 3
- THEA 1374 SINGING FOR THE ACTOR II 3

**10**

### Production Experience (12 credits)
- THEA 2471 THEATRE & DANCE PRACTICUM I 1
- THEA 2472 THEATRE & DANCE PRACTICUM II 2
- THEA 2473 THEATRE & DANCE PRACTICUM III 3

**12**

### General Education Requirements (21-25 credits)
- ENGL 1010 ENGLISH COMPOSITION I 3
- ENGL 1020 ENGLISH COMPOSITION II 3
- SCIENCE/MATH 3-4
- SOCIAL SCIENCE 3-4
- US GOVERNMENT 3
- COSC 1200 COMPUTER INFORMATION SYSTEMS 3
- ASSESSMENT REQUIREMENT 0-1

**21-25**

COS 1200: Students with computer proficiency may be able to test out of this course.

**Total Credit Hours: 70-74**

### Musical Theatre Electives (15 credits)
Additionally, the student will be required to build upon this core foundation by taking courses from the following list of major electives. The student may wish to choose electives that strengthen a weakness or help prepare them for a specialized career within the musical theatre industry.

**Degree Requirements**

At least fifteen (15) credits from the following must be selected:

- THEA 2100 ACTING II 3
- THEA 2165 BEGINNING DIRECTING 3
- THEA 2500 THEATRE PORTFOLIO 1
- THEA 1310 CORE COND FOR WHOLE BODY CONNECTIVITY 1
- THEA 2430 MODERN DANCE I/I 1
- THEA 2440 MODERN DANCE II/I 1
- THEA 2410 BALLET II/I 1
- THEA 2420 BALLET II/I 1
- THEA 2450 TAP DANCE II 1
- THEA 2212 DANCE IMPROVISATION 2
- THEA 2215 DANCE COMPOSITION 2
- THEA 1500 DANCE PERFORMANCE 2
- MUSC 1040 WRITTEN THEORY II 3
- 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 1375 SYMPHONIC BAND 1
- MUSC 1390 JAZZ ENSEMBLE I 1
- MUSC 1400 COLLEGIATE CHORALE 1
- MUSC 1450 VOCAL ENSEMBLE 1
- MUSC 1485 INSTRUMENTAL ENSEMBLE 0.5-1
- MUSC 1490 PIANO ENSEMBLE 1
- MUSC 2415 RECORDING ARTS I 1
- MUSC 2425 RECORDING ARTS II 2
- MUSC 2150 GUITAR II 1
- THEA 2250 COMPUTER AIDED DESIGN I 3
- THEA 2230 STAGE LIGHTING 3
- THEA 2145 COSTUME CONSTRUCTION 2
- THEA 2610 SOUND REINFORCEMENT I 2
- MUSC 2420 SOUND REINFORCEMENT II 2
- THEA 1200 INTRODUCTION TO STAGE DESIGN 3
- THEA 2125 BEGINNING SCENIC DESIGN 3
- THEA 2270 BEGINNING LIGHTING DESIGN 3
- THEA 2175 BEGINNING COSTUME DESIGN 3
- THEA 2615 SOUND DESIGN 2
- THEA 2185 PERIOD STYLES 3
- THEA 2471 THEATRE & DANCE PRACTICUM I 1
- THEA 2472 THEATRE & DANCE PRACTICUM II 2
- THEA 2473 THEATRE & DANCE PRACTICUM III 3
- THEA 2370 SUMMER THEATRE 1-6
- THEA 2971 TECHNICAL THEATRE INTERNSHIP 1-4
- THEA 2972 THEATRE MANAGEMENT INTERNSHIP 1-4
- THEA 2973 REHEARSAL ACCOMPANIST 1-4

**Total Credit Hours: 85**

### Emphasis Options
The student may choose from any of the above electives to create their own emphasis, but three emphasis options have been formed by concentrating on specific groupings of the electives. We suggest the students choose one of these groupings for their fifteen (15) required major electives.

**Dance Emphasis**

- THEA 2430 MODERN DANCE II/I 1
- THEA 2440 MODERN DANCE II/I 1
- THEA 2410 BALLET II/I 1
- THEA 2420 BALLET II/I 1
- THEA 2450 TAP DANCE II 1
- THEA 1310 CORE COND FOR WHOLE BODY CONNECTIVITY 1
- THEA 2212 DANCE IMPROVISATION 2
- THEA 2215 DANCE COMPOSITION 2

**Total Credit Hours: 15**
### Composite Emphasis

<table>
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<tr>
<td>THEA 2100</td>
<td>ACTING II</td>
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<tr>
<td>THEA 2165</td>
<td>BEGINNING DIRECTING</td>
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<td>THEA 2430</td>
<td>MODERN DANCE III</td>
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<td>THEA 2440</td>
<td>MODERN DANCE II</td>
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<td>THEA 2410</td>
<td>BALLET II/II</td>
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<tr>
<td>THEA 2420</td>
<td>BALLET II/II</td>
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Recommended semester by semester schedules for each of these emphases are available from your advisor.

### Total Credit Requirement

The total credit requirements for the AA in Musical Theatre are between 85-89 credits. Please be advised that this is an intensive course of study well beyond the scope of most associate degree programs (which require a minimum of 64 credits). Students planning to transfer to a four-year university should consult the catalog of the school of their choice for comparison and for the number of credits accepted in the transferring process. A student may choose to spread their course work at Western over a three year period depending on their personal abilities or the need to take developmental course work (pre-college level classes) in reading, writing, or mathematics.

### Musical Theatre Emphasis AA Degree

The AA degree is offered for those looking at a more traditional course of study and can usually be completed in four semesters. The AA degree prepares a student to transfer to a Bachelor of Arts program at a four year institution. All AA degrees at Western have the same general education and elective requirements. The following program of study is suggested for students who want to meet the requirements for an AA degree by emphasizing Musical Theatre as their major.

#### Suggested Program

**Freshman Year - Fall Semester**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<td>THEATRE ETHICS</td>
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<td>WRITTEN THEORY I-MUSICAL THEATRE MAJORS</td>
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<td>THEA 1373</td>
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<td>THEA 2160</td>
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**Freshman Year - Spring Semester**

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**Sophomore Year - Fall Semester**

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**Sophomore Year - Spring Semester**

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### Theatre Emphasis AA Degree

#### Suggested Program

**Freshman Year - Fall Semester**

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**Sophomore Year - Fall Semester**

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Sophomore Year - Spring Semester

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<td>THEA 2185</td>
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<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
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</tbody>
</table>

**Design Series**

Additionally, the student will be required to build upon this core foundation by taking a minimum of 15 credits from the following classes. Each of these courses is geared towards a specific design emphasis. The student should meet with their advisor to determine which courses would be most beneficially for their career paths.

<table>
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<th>Credits</th>
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</thead>
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**Related Course Work**

Related Course Work are classes taken from outside the technical theatre curriculum that will strengthen the student’s skills within the technical theatre field and prepare for more well-rounded careers. A minimum of six (6) credits must be taken from the list below. The student should meet with their advisor to discuss the courses that will best fit the educational and career objectives of the student. No theatre courses may be used to fulfill this requirement.

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**Total Credit Hours: 47**
General Education (23-26 credits)

Some of the above course work counts towards the general education requirements of the AFA degree. Additionally, the student must complete the following general education requirements.

Requirements List

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<td>ASSESSMENT REQUIREMENT</td>
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Total Credit Hours: 23-36

COSC 1200: Students with computer proficiency may be able to test out of this course

Health & Human Activity: Recommended Health & Human Activity credits may include: dance courses, PEAC 1287 Rock Climbing, PEAC 1015 Beginning Skin & Scuba, PEAC 1294 Beginning Yoga or PEAC 1273 Weight Training & Conditioning.

The total credit requirements for the AFA in Technical Theatre are between 78-83 credits. Please be advised that this is an intensive course of study, well beyond the scope of most associate degree programs (which are a minimum of 64 credits). Students planning to transfer to a four-year university should consult the catalog of the school of their choice for comparison and for the number of credits accepted in the transferring process. A student may choose to spread their course work over a three year period depending on their personal abilities or the need to take developmental course work (pre-college level classes) in reading, writing, or mathematics.

Total Credit Hours: 23-36

Technical Theatre Emphasis AA Degree

The AA degree is offered for those looking at a more traditional course of study and can usually be completed in four semesters. The AA degree prepares a student to transfer to a Bachelor of Arts program at a four year institution. All AA degrees at Western have the same general education and elective requirements. The following program of study is suggested for students who want to meet the requirements for an AA degree by emphasizing Technical Theatre as their major. A suggested schedule for taking courses is presented below. Also included in the program is the opportunity for several electives, a list of which is provided.

Suggested Program

Freshman Year - Fall Semester

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>THEATRE ETHICS</td>
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<td>COSC 1200</td>
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Freshman Year - Spring Semester

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Approved Health Human Activity/Dance Electives: See listing below

Sophomore Year - Fall Semester

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23-36

Approved Health Human Activity/Dance Electives: See listing below

Sophomore Year - Spring Semester

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<td>PRESENTATION GRAPHICS:</td>
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<td>ELTR 1505</td>
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<td>MUSC 2415</td>
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Approved Suggested Electives: See Listing below

Approved Suggested Electives

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Approved Health Human Activity/Dance Electives: See Listing below

Approved Health Human Activity/Dance Electives

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Total Credit Hours: 65-67
# Technical Theatre Certificate

## Fall Semester

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Related Courses: See listing below

## Spring Semester

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Related Courses: See listing below

## Related Course Work

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<td>THEA 1000</td>
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<td>THEA 1200</td>
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<td>THEA 2160</td>
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<td>DESL 1595</td>
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<td>GAS METAL ARC WELDING</td>
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<td>WELD 1774</td>
<td>GAS METAL ARC WELDING - PIPE</td>
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<td>WELD 1776</td>
<td>FLUX CORED ARC WELDING - PIPE</td>
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<td>WELD 1780</td>
<td>GAS TUNG ARC WELDING - PLATE</td>
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<td>WELD 1840</td>
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<td>WELD 1860</td>
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<td>WELD 1950</td>
<td>SAW STAINLESS STEEL BASIC</td>
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<td>WELD 1960</td>
<td>SUBMERGED ARC WELDING</td>
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<td>PIPE WELD I:SCHEDE 40</td>
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<td>WELD 2520</td>
<td>PIPE WELD II:SCHED 80 PIPE</td>
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<td>WELD 2530</td>
<td>DOWNHILL PIPE WELDING</td>
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<td>WELD 2540</td>
<td>PIPE LAYOUT AND FABRICATION</td>
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<td>WELDING FOR THE ARTS I</td>
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<td>WELDING FOR THE ARTS II</td>
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Total Credit Hours: **30**
Courses at Western Wyoming Community College are identified by a set of numbers and letters. The letters are abbreviations that are listed below. The set of 4 numbers indicates the level of the course: 1000s are freshman, 2000s are sophomore and 0000s are non-transferable courses.

**Business & Information Systems**
- ACCT: Accounting
- BADM: Business Administration
- BOTK: Business Office Technology
- BUSN: Business
- CMAP: Computer Applications
- COSC: Computer Science
- ECON: Economics
- FIN: Finance
- IMGT: Information Management
- MGT: Management & Supervision
- MKT: Marketing
- MOA: Medical Office Assistant

**Developmental Studies**
- BAS, DVST: Basic Skills
- DVST, BAS: English for Speakers of Other Languages
- HMDV: Human Development

**Health Science**
- HLTK: Allied Health Technology
- HLED: Health Education
- HOEC: Home Economics/Nutrition
- NRST: Nursing
- PEAT: Varsity Athletics
- PHLB: Phlebotomy

**Humanities**
- COMM: Communications
- EDCI: Education
- EDEC: Education, Early Childhood
- EDEL: Education, Elementary
- EDEX: Education, Exceptional Child
- EDFD: Education, Fundamentals
- EDUC: Education, Recertification
- ENGL: English
- FREN: French
- GERI: German
- HUMN: Humanities
- ITEC: Instructional Technology
- LIBS: Library Science
- PHIL: Philosophy
- SPAN: Spanish

**Science & Mathematics**
- BIOL: Biology
- CHEM: Chemistry
- ES: Engineering (Gen.) & Tech.
- GEOL: Geology
- MATH: Mathematics
- PHYS: Physics
- STAT: Statistics

**Social Sciences**
- ANTH: Anthropology
- CRMJ: Criminal Justice
- EMGT: Emergency Management
- G&R: Geography & Recreation
- HIST: History
- POLS: Political Science
- PSYC: Psychology
- SOC: Sociology

**Technology & Industry**
- AFVT: Alt. Fuel Vehicle Technology
- AUTO: Auto Technology
- CMPT: Compression Technology
- CNTK: Construction Technology
- DESL: Diesel Technology
- ELAP: Electrical Apprenticeship
- ELTR: Electricity/Electronic/Instrumentation Technology
- INDM: Industrial Maintenance (Gen.)
- MCH: Machine Tool Technology
- MINE: Mining Technology
- OGPT: Oil & Gas Production Technology
- SAFE: Safety Technology
- TECH: Technology
- TTD: Tractor Trailer Driving
- WELD: Welding Technology

**Visual & Performing Arts**
- ART: Art, Ceramics & Photography
- MUSC: Music
- THEA: Theatre and Dance

The first digit in each number indicates whether the course is designed primarily for freshman (in which the number is a 1 as in ENGL 1010) or for sophomores (in which the number is 2 as in ENGL 2010) or for non-transferable courses (in which the number is a 0 as in ENGL 0950).
COURSES

ACCT - ACCOUNTING

ACCT 2010 - PRINCIPLES OF ACCOUNTING I (3)
This is a rigorous introductory course in accounting principles which examines the fundamental concepts and procedures employed by reporting entities in the communication of financial information in accordance with generally accepted accounting principles to outside interested parties.
Prerequisite: MATH 0930 or Math ACT of 23 of higher, or Math COMPASS score of 66 or higher, and COSC 1200, or IMGT 2400, or CMAP 1750, or instructor permission.

ACCT 2020 - PRINCIPLES OF ACCOUNTING II (3)
This is a rigorous introductory course which is a continuation of Principles of Accounting I, involving financial statement preparation and analysis, corporations, managerial topics, cost accounting concepts and budgeting.
Prerequisite: ACCT 2010.

ACCT 2210 - ACCOUNTING INFO SYSTEMS: (3)
This is a skill development course in which students use integrated accounting software and transaction inputs to create transaction documents, operating reports, general ledger reports, and financial statements, all with traceable audit trails. The intention of the class is to become competent in computerized accounting principles and practices.
Prerequisite: ACCT 2010 or BOTK 2810, May be taken concurrently.

ACCT 2460 - PAYROLL ACCOUNTING (3)
Payroll accounting provides students with an understanding of the laws that affect a company's payroll structure and practical application skills in maintaining payroll records. Topics include payroll and personnel records, computing wages and salaries, taxes affecting employees and employers, and analyzing and journalizing payroll transactions.
Prerequisite: ACCT 2010, or BOTK 2810, or Instructor Permission.

ACCT 2610 - MANAGERIAL ACCOUNTING (3)
This course studies accumulation methods, accounting and reporting. It focuses on the concepts and procedures of the job order, process, standard and direct cost systems. Other topics covered include budgeting; planning; analysis and control of costs; and profitability. Topics are covered at an advanced level as compared to ACCT 2020.
Prerequisite: ACCT 2010 and ACCT 2020 and COSC 1200 or CMAP 1750.

AFVT - ALT FUEL VEHICLE TECH

AFVT 1500 - INTRO TO ALT FUEL VEHICLES (3)
This course will introduce students to the many different types of alternative fuel vehicles that exist today. Most of the time will be spent learning the basic function and service of modern clean diesel, hybrid/electric, and CNG powered light-duty cars and trucks. Other topics covered will be alternative fuels such as ethanol and bio-diesel, as well as some technologies that might have a future role in transportation such as electric vehicles, and hydrogen fuel cell powered vehicles.
Prerequisite: AUTO 2590.

AFVT 1600 - LIGHT-DUTY DIESEL ENGINE PERFORMANCE I (3)
This course is designed to build upon basic engine knowledge obtained in the prerequisite engine fundamentals classes. This course will detail the design and operation of modern diesel engines, including establishing the differences between light-duty diesel and gasoline engines. Cylinder blocks, pistons, and crankshafts will be discussed along with cylinder head design, timing components, and intake and exhaust systems, including turbo systems. Service and repair of these items will be covered. This course will also cover basic diesel engine fuel system function. Topics such as fuel subsystem and fuel injector function will be thoroughly covered.
Prerequisite: AFVT 1500 and AUTO 1700.

AFVT 1610 - LIGHT-DUTY DIESEL ENGINE PERFORMANCE II (3)
This course is designed to build upon basic electronic control, and other engine control functions that are learned in prerequisite classes. This course will detail the design and operation of modern diesel engines, including electronic fuel control systems, and emission control systems. Topics such as fuel subsystems, injectors, PLN-E, common rail systems, and the electronic control of these fuel devices, along with the service and diagnosis thereof, will be thoroughly discussed. Also, emission control devices such as exhaust gas recirculation systems, diesel oxidation catalysts, and diesel particulate filters, including the service and repair of these devices, will also be discussed.
Prerequisite: AFVT 1600.

AFVT 1620 - NATURAL GAS VEHICLE FUEL SYSTEMS (3)
Natural gas powered vehicles have been in use for some time now and this course will give students the foundation needed to properly service and repair these high-pressure fuel systems. System components such as high-pressure tanks, valves, and regulators, and the service and repair of these items, as well as how these things tie into the injection system for the gaseous fuel, will be covered in detail. Differences between compressed natural gas systems (CNG), and liquefied natural gas systems (LNG) will also be discussed, as well as the differences between bi-fuel controls and dedicated CNG controls.
Prerequisite: AFVT 1500.

AFVT 1630 - HYBRID ELECTRIC VEHICLE SYSTEMS I (3)
This course is designed to give students the skills needed to diagnose and repair the complex systems found in today's modern hybrid vehicles. The primary focus will be on the interaction of the different power sources found of hybrid vehicles and how they work together to propel the vehicle down the road. This includes study of the function of high voltage systems, along with the motor/generator assemblies, and advanced computer controls that are contained in these high-tech drivetrains. The student will be able to not only service these systems, but they will also be able to diagnose and repair problems that can occur in today's modern hybrid cars and trucks.
Prerequisite: AFVT 1500.
AFVT 1640 - HYBRID ELECTRIC VEHICLE SYSTEMS II (3)
This course is designed to give students the skills needed to diagnose and repair the complex systems found in today's modern hybrid vehicles. The primary focus will be on various vehicle systems and the way they work on hybrid vehicles. Because every auto manufacturer builds their hybrid systems differently, hybrid drive train function as it relates to specific makes and models will also be thoroughly discussed. The function and service of pure electric vehicles will also be covered. The student will be able to not only service these systems, but they will also be able to diagnose and repair problems that can occur in specific hybrid cars and trucks.
Prerequisite: AFVT 1630.

ANTH - ANTHROPOLOGY
ANTH 1100 - INTRODUCTION TO PHYSICAL ANTHROPOLOGY (3)
Physical Anthropology covers the development and evolution of both living and fossil man. Included are primate studies, man's physical variations, genetics, osteology and early behavior habits. The study of man's evolution, his distribution, and fossil forms is emphasized.

ANTH 1200 - INTRODUCTION TO CULTURAL ANTHROPOLOGY (3)
Studied are the structures and functioning of various societies and cultures, including aspects of language, warfare, religion, kinship, economics and political organizations. A number of widely divergent but representative cultures are examined in detail, along with their resultant changes due to industrial contact.

ANTH 1300 - INTRODUCTION TO ARCHAEOLOGY (3)
Archaeology covers the excavation of man's past culture, tool traditions, social developments, migration patterns and independent developments of civilization on various continents. Included are dating methods, site analysis, comparative studies, and various archaeological techniques used in the field and laboratory.

ANTH 1350 - ROCK ART: (2)
Students will examine rock art throughout the region. The course will introduce the student to rock art as an important part of the cultural landscape and provide an introduction to the cultural, historical, and diagnostic features of rock art in the West.
Prerequisite: Instructor Permission.

ANTH 2200 - WORLD ETHNOGRAPHY (3)
This course surveys peoples and cultures in various areas of the world. The geographic area to be considered will be indicated each semester the course is taught. Generally, it is a survey course on the prehistory and culture at the time of contact of the major island groups of the Pacific. The areas concentrated on are New Guinea, Samoa-Tonga, Fiji, Tahiti, Easter Island and Hawaii. Of lesser importance are discussion of other island groups and the history of contact relations.

ANTH 2210 - NORTH AMERICAN INDIANS (3)
A comparative study of North American Indians using the culture area concept. Major areas covered are the Arctic, Northwest Coast, Northeastern and Southeastern Interior, Plains, Mountains and Basin, Southwest, Mexico and Yucatan. This includes a brief history of the various groups since European contact.

ANTH 2310 - ARCHAEOLOGY FIELD MEHTODS: (1-4)
Students in this course will study Archaeological field methods used throughout the world. This course is designed to help the student gain knowledge about specific Archaeological methods by working on location, and how to work and live in diverse cultures. Maximum of 4 credits applied towards graduation.
Prerequisite: Instructor Permission.

ANTH 2311 - PREHISTORIC ARCHAEOLOGY FIELD METHODS (1-4)
This class will deal directly with several important areas of field archaeology: inventory, site documentation and evaluation, and excavation. Course topics will include appropriate techniques of site testing and evaluation criteria, and research topics for data recovery during large scale excavation projects. Part-time participants will be introduced to site instrument mapping, principles of natural and cultural stratigraphy, proper testing and excavation techniques, and proper methods of recordkeeping and provenience collection. Maximum of 4 credits applied towards graduation.
Prerequisite: Instructor Permission.

ANTH 2312 - HISTORICAL ARCHAEOLOGY FIELD METHODS (1-4)
Archaeology is the study of human behavior by means of its material traces through all time in all places. This course will deal with excavation, treatment, cataloguing, and analysis of artifacts excavated from historical sites around south-western Wyoming, such as South Pass City, Ft. Bridger, stage stations, and other sites of roughly the last 200 years (in Wyoming this means roughly 1790 to the present). Maximum of 4 credits applied towards graduation.
Prerequisite: Instructor Permission.

ANTH 2380 - GLOBAL CULTURES TOUR: (1-4)
This course provides students with the opportunity to travel to various global destinations. A variety of topics may be explored while traveling, including anthropology, art, geography, history, international travel logistics, language, and local culture. The goal of the course is to provide students with the opportunity to better understand global societies and cultures. Travel destinations can vary from year to year. This course is approved for S/U grading.
Prerequisite: Instructor Permission.

ART - ART
ART 1000 - GENERAL ART (3)
This is an art experience for non-art majors. It offers a basic introduction to the history of art and design and an acquaintance with the field of applied arts through slide lecture, discussion and film. It develops an awareness of mediums and techniques based on studio experimentation and instructor demonstrations. It provides the student a comprehensive survey of both fine and applied arts that contribute to the visual arts culture past and present.

ART 1005 - DRAWING I (3)
This course is designed to teach an understanding of basic drawing techniques and mediums utilizing direct visual experience. Drawing is introduced as the complete graphic experience. It involves experimentation with a variety of drawing mediums to discover and develop line, value, shape/form, texture, and space.

ART 1030 - INTRODUCTION TO ART: (1)
This class is an introduction to the aesthetics and techniques of art making, within the individual process.
ART 1110 - DESIGN: 2D (3)
Basic design elements are necessary ingredients to visual literacy and mature art forms in all areas of artistic expression from interior design, clothing design, architecture, and ceramics to the pure, fine arts of sculpture and painting, to name only a few.

ART 1120 - DESIGN: 3D (3)
A course designed for experimentation in three dimensional expression.

ART 1130 - DESIGN: COLOR (3)
Advanced design encourages the creative process while exploring the basics of color and texture. Precision aids in presentation is a must. "An artist or creative person must be a dreamer, a realist and a skilled worker."

ART 1150 - PHOTOGRAPHY I (3)
An introduction to the art of photography with emphasis on creative thinking, visual aesthetics, and technical proficiency as they relate to the understanding and production of quality black and white photographs.

ART 1160 - PHOTOGRAPHY II (3)
Course concentrates on developing advanced technical and aesthetic skills of the serious black and white photographer. Instruction includes zone system theory, fine black and white printing, archival processing, introduction to large format photography, and emphasis on design and print content.

Prerequisite: ART 1150 or Instructor Permission.

ART 1178 - DIGITAL IMAGING I (3)
An in-depth introduction to the world of digital photography and computer imaging with emphasis on developing student understanding and skills with digital image capture and scanning, image manipulation using software, as well as digital storage and transmission.

Prerequisite: ART 1150, ART 1110 (may be taken concurrently).

ART 1250 - WATER BASED MEDIA I (3)
This studio course serves to introduce the beginning student to color and technique of both transparent and opaque water medium, as well as to encourage the more experienced student in technique and style development.

ART 1310 - SCULPTURE I (3)
A course designed for experimentation in three dimensional expression.

ART 2005 - DRAWING II (3)
A continuation of ART 1005 Drawing I. The student is offered the opportunity to advance his/her skill in the technical application of various drawing mediums including color. Freedom of exploration is permitted and experimentation is encouraged.

Prerequisite: ART 1005 or Instructor Permission.

ART 2010 - ART HISTORY I (3)
A comprehensive review of the divergent expressions of Western mankind. First Semester: Paleolithic society through the High Renaissance of Italy (30,000 BC - 1570 AD). It is a means through which one may become visually literate, a necessary facet of education and existence in general.

ART 2020 - ART HISTORY II (3)
A comprehensive review of the divergent expressions of Western mankind. Second semester: following just after the High Renaissance in Italy into contemporary civilization. It is a means through which one may become visually literate, a necessary facet of education and existence in general.

ART 2050 - LIFE DRAWING (3)
Life drawing is a specialized area of drawing for the advanced student. The human form is the source of creative inspiration in exploring the problems of various drawing mediums and techniques. The student experiments with the mediums of cont’e, charcoal, litho, graphite and paint, using color restrictively, while learning the techniques of control, gesture, proportion, space, manipulation and motion. Slide presentations on the work of artists, past and contemporary, stimulate an awareness of the human form as creative design.

Prerequisite: Take ART 2005.

ART 2090 - PRINTMAKING I (3)
This is a basic, investigative, experimental course in which the process and properties of several Intaglio methods are explored. They include line etch, aquatint, soft-ground etch and relief work. The print is the "finished" product of most drawing mediums.

ART 2095 - PRINTMAKING II: INTAGLIO (3)
The course is a continuation of ART 2090 Printmaking I, offering the student the opportunity of advanced study and experimentation in the intaglio and relief processes with emphasis on individual creative growth.

ART 2120 - GRAPHIC DESIGN I (3)
This course introduces the fundamentals of graphic design to students interested in desktop publishing. Students learn to use type, layout and other design elements to produce effective ads, brochures, newsletters and other documents on personal computers. Adobe PageMaker is used to design visually appealing and communicative artwork for print.

ART 2130 - GRAPHIC DESIGN II (3)
Prerequisite: ART 2120 or Instructor Permission.

ART 2175 - PHOTOGRAPHY STUDIO (1-3)
An advanced photography course for students who wish to continue their personal growth on an individualized basis in a particular specialized area of photography. Each student, with the aid of an instructor, outlines a detailed course of study which will be pursued individually during the course. The number of credit hours registered for will determine work quantity, requirements and basic guidelines for satisfactory completion of project and course.

ART 2210 - PAINTING I (3)
A course designed for the beginning painter who wants to learn an understanding of the techniques of oil painting.

ART 2220 - PAINTING II (3)
A continuation of ART 2210 Painting I. The student is offered the opportunity to advance his/her skills. Freedom of exploration is permitted and experimentation of techniques is encouraged.

ART 2230 - PAINTING III (3)
This course emphasizes further development of style and technique of the individual's talents while developing a knowledge of style and technique within the history of art. Exploration of technique will occur through content exploration.
ART 2410 - CERAMICS I (3)
An introduction to basic pottery skills - throwing, trimming, and glazing hand-built ceramics. Claymaking and kiln firing included.

ART 2420 - CERAMICS II (3)
Advanced throwing at the wheel, hand building and glazing techniques. Kiln design and operation.
Prerequisite: ART 2410.

ART 2430 - CERAMICS III (3)
Students will complete progressively more complex projects on the wheel, building by hand, firing the kiln, and more intricate glaze compositions, by building on techniques learned in previous pottery classes.
Prerequisite: ART 2420, ART 1110 (may be taken concurrently).

ART 2440 - CERAMICS IV (3)
Expand the student's knowledge of clay. To know the true meaning of earth, water and fire, which are the basic elements of this craft and part of man's life since earliest times. This class will expand the knowledge of the advanced potter to allow them to grow so they understand both the technical processes as well as the aesthetic ways of pottery.
Prerequisite: ART 2430, ART 1110 (may be taken concurrently).

ART 2445 - CERAMIC STUDIO (1-3)
Prerequisite: ART 1110, 2120, 2420. ART 2420 and 1110 may be taken concurrently. Corequisite: ART 2430.

ART 2479-2489 - SPECIAL PROJECTS IN ART (VARIABLE)
A continuing study of drawing and painting with the emphasis on further development of style and technique. A study of the drawings of the masters and studio work to develop the potential of the student.

ART 2495 - WORKSHOPS IN ART: (1)
These workshops will offer an intensive exploration of various methods of approach. The course of study will vary according to visiting artists. The ideas and philosophies will be reinforced and developed through lecture/technical information, discussion, demonstration, and studio participation. May be taken up to three times for credit.
Prerequisite: ART 2120 or COMM 2300.

AUTO - AUTOMOTIVE TECHNOLOGY

AUTO 1505 - AUTOMOTIVE LOW VOLTAGE ELECTRICAL (1)
This course is designed to give the student an in-depth working knowledge of basic automotive or diesel low voltage electrical systems.

AUTO 1580 - BASIC AUTO MAINTENANCE (2)
This course is designed for non-degree students. The course offers students instruction in the basics of automotive systems operation, troubleshooting, preventive maintenance and repair, along with the terminology, proper use of tools, and procedures required to perform these tasks.

AUTO 1690 - MANUAL POWER TRANSMISSION FUNDAMENTALS (3)
This course is designed to introduce the student to fundamentals, theory and applications as well as diagnosis and repair procedures for all manual shift transmission and drive train components.

AUTO 1700 - ENGINE FUNDAMENTALS (3)
This course is designed to introduce the student to the fundamentals, components and operation of an internal combustion engine. Both gasoline and diesel engines will be explored, and comparisons and differences between the operation of the two will be studied. High speed and low speed compression ignition and spark ignition engines will be discussed and demonstrated.

AUTO 1730 - AUTOMATIC TRANSMISSIONS (6)
This course is designed to introduce students to all phases of automotive transmission and fluid drive rebuilding to prepare them with the necessary skills for entry into the automotive field. The student is given an opportunity to work on different types of transmissions and the course curriculum is developed around this concept.
Prerequisite: AUTO 1770.

AUTO 1740 - BRAKE SYSTEMS (3)
This course will introduce students to automotive braking systems from conventional to antilock and traction control Emphasis will be placed on operational theory, trouble diagnosis, and safe repair. Systems covered will be primarily those used by American automobile manufacturers.

AUTO 1760 - HEATING AND AIR CONDITIONING (3)
This course is designed to introduce the student to the principles of refrigeration, automotive air conditioning and heating systems, and troubleshooting and repair of these systems.
Prerequisite: AUTO 1770.

AUTO 1765 - AUTOMOTIVE ELECTRICAL SYSTEMS I (3)
This course is designed to introduce the student to the fundamentals of AC-DC charging systems and cranking motors including operation, testing, servicing and troubleshooting.

AUTO 1766 - AUTOMOTIVE ELECTRICAL SYSTEMS II (3)
This course is a continuation of AUTO 1765 Automotive Electrical Systems. Students will use the principles learned in the first course to practice diagnosing various, real-world circuit faults on real vehicles using digital multi-meters, battery load testers, and other pieces of electrical test equipment. The student will also be introduced to more complex circuits not covered in AUTO 1765 such as lighting circuits and body electrical accessories.
Prerequisite: AUTO 1765.

AUTO 1770 - AUTOMOTIVE ELECTRONICS (3)
This course is designed to study the theory, service, and repair of electronic control systems used in today's automobiles. The course will cover the principles of the electronic components and operation of systems used in the automobile industry. The students will be introduced to scan tools and digital oscilloscopes and their use on electronic control systems.
Prerequisite: Take AUTO 1766.
AUTO 2510 - ENGINE PERFORMANCE I (3)
This course will introduce students to a variety of different types of engine diagnosis, electrical testing using lab scopes, scan tools, multi-meter, and charging system testers. Mechanical performance systems will be studied, as well as diagnoses for intake and exhaust. Computer input, output and communication will be covered with lecture and lab-hands-on experience. On-Board Diagnostics I and On-Board Diagnostics II (OBD) with freeze frame, monitoring, adaptive fuel control are also introduced and covered in depth according to students ability/desire. A good foundation of electronics is needed for the best success in this course.
Prerequisite: AUTO 1770.

AUTO 2520 - ENGINE PERFORMANCE II (3)
This course is a continuation of Engine Performance I, and is designed for the student who has a foundation of such knowledge to build on. Areas of study are systems related to engine performance, fuel diagnosis and service, electronic fuel injection, ignition (DI and E1), and emission.
Prerequisite: AUTO 2510.

AUTO 2540 - ADVANCED BRAKES & SUSPENSION SYSTEMS (3)
This course will cover advanced brakes (ABS), regenerative braking, and vehicle suspension systems. In the brakes section, information covered will reinforce material studied in AUTO 1740 Braking Systems. Emphasis will be placed on anti-lock braking systems and related traction control systems, as well as topics such as hybrid regenerative braking. In the suspension section the students will be introduced to the wide variety of suspension systems available on modern automobiles. Emphasis will be placed on suspension designs, geometry, problem diagnosis and repair.
Prerequisite: AUTO 1740 and AUTO 1770 or Instructor Permission.

AUTO 2545 - AUTOMOTIVE ALIGNMENT & STEERING SYSTEMS (3)
This course will introduce students to basic alignment theory and practice. Emphasis will be placed on the various alignment angles and their effects on tire wear and vehicle stability. Several types of alignment techniques will be discussed with primary focus being on the use of computer alignment equipment to achieve consistent, accurate results. The course will also cover theory, diagnosis, and repair of modern steering systems such as power rack and pinion steering and recirculating ball steering.
Prerequisite: AUTO 2540.

AUTO 2590 - ENGINE PERFORMANCE III (3)
This course is a continuation of Engine Performance II, and is designed for the student who has a foundation of such knowledge to build on. Areas of study are systems related to engine performance, emission control systems, OBDII, digital oscilloscopes and scan tools and the proper use thereof. Alternative powertrain management systems will also be covered, such as light-duty diesel, gas-electric hybrids, and compressed natural gas systems.
Prerequisite: AUTO 2520.

BADM - BUSINESS MANAGEMENT

BADM 1000 - INTRODUCTION TO BUSINESS (3)
An introductory business course emphasizing the role of business in the American economy. The course presents an overview of business organization and operations.

BADM 2030 - BUSINESS ETHICS (3)
Businesses exist to make a profit. Business ethics exists to set parameters for earning that profit. This course will cover the basic concepts of personal ethics and how they relate to business. An exploration of students' own personal values will aid them with ethical problem solving. Students will use a critical thinking model to recognize and resolve ethical dilemmas through the use of case studies. Topics include business and its relationship with customers, employees, society competition and the government.

BADM 2800 - BUSINESS PORTFOLIO/ CAPSTONE (2)
This course is a capstone course for students working towards an A.S in Accounting, Business Administration and Marketing. This course will enable students prepare a comprehensive portfolio to demonstrate their accomplishments in meeting WWCC's Goals for Student Success. Students will also prepare an in-depth evaluation of a business with respect to the accounting, marketing, management, and economic functions.
Prerequisite: BADM 1000 (C or better) and completion of 45 credit hours towards graduation.

BAS - BASIC SKILLS

BAS 0510 - READING SKILLS (1)
This course covers the fundamentals of good reading skills and the application of these skills to assist students in becoming more efficient readers.

BAS 0620 - WRITING SKILLS (1)
This course provides individualized instruction to help students improve their college level writing skills. This is a preparatory course for Basic English or is a complement to other writing courses.

BAS 0630 - GRAMMAR SKILLS (1)
This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

BAS 0640 - SPelling SKILLS (1)
Students improve their spelling skills using a phonetics or rules approach.

BAS 0710 - ARITHMETIC SKILLS I (1)
This course is designed to serve as a "bridge" for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of this course is to help build mathematical competency for daily use and to prepare for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

BAS 0720 - ALGEBRA SKILLS I (1)
This course is designed as a "bridge" for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. It helps students build mathematical competency in basic algebra skills and prepares students for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.
BAS 0730 - TECHNICAL MATH (1)
This introductory course in mathematics is intended for students who wish to prepare for further study in the field of nursing. Possible topics include arithmetic computations, ratios and proportions, systems of measurement, algebra, geometry, and trigonometry. Textbook examples and problems are related to the field of study, with emphasis on practical application.

BAS 0740 - ARITHMETIC SKILLS II (1)
This course is designed to serve as a "bridge" for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of this course is to help build mathematical competency for daily use and to prepare for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

BAS 0750 - ARITHMETIC SKILLS III (1)
This course is designed to serve as a 'bridge' for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of this course is to help build mathematical competency for daily use and to prepare for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

BAS 0760 - ALGEBRA SKILLS II (1)
This course is designed to serve as a "bridge" for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. The course helps build mathematical competency in basic algebra skills and prepares students for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

BAS 0770 - ALGEBRA SKILLS III (1)
This course is designed to serve as a "bridge" for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. It helps students build mathematical competency in basic algebra skills and prepares students for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

BAS 0910 - NON-NATIVE READING (2)
This course is designed to facilitate textbook reading skills for non-native and international students.

BAS 0950 - NON-NATIVE VOCABULARY (2)
This course is designed to assist non-native and international students in the development or improvement of their English vocabulary skills. The focus of this class is vocabulary for academic reading.

BAS 0960 - NON-NATIVE LISTENING (3)
This course is designed for students who do not feel confident about their English listening skills and is required for students testing at levels 4 through 7 on the BEST + Test. Assignments prepare the student for the level of listening required for college level courses and personal communication.

BAS 0970 - ESL LIFE SKILLS (4)
This course focuses on survival in an English language environment. Students will participate in activities that increase their skills in speaking, listening, reading, and writing English with an emphasis on oral communication. Subject areas will include, but are not limited to, health/fitness, work/employment, money/banking, travel/directions, shopping/entertainment, food/clothing, and education/recreation.

BIOL - BIOLOGY

BIOL 1002 - DISCOVERING SCIENCE (4)
This course integrates Biology, Chemistry, Physics, and Earth Science for non-science majors. Fundamental concepts from each discipline are addressed through lectures and readings, while weekly laboratory activities and discussion groups reinforce the experimental and logical basis of science. A primary goal is to relate scientific knowledge to societal issues.
Prerequisite: COMPASS Reading Score of 71 or higher, ACT Reading Score of 20 or higher or instructor permission.
Corequisite: BIOL 1012.

BIOL 1003 - CURRENT ISSUES IN BIOLOGY (4)
This course will focus on current issues in biology. Each issue will be dealt with in depth in lecture, laboratory and discussion format. Fundamental principles of biology will be demonstrated and discussed where they fit into the issue at hand. Principles such as cellular structure and function, natural selection and evolution, genetics, the exponential nature of population growth, co-existence among populations with communities, DNA structure and function, and applications of DNA technology will be considered. The course will also address the process of science and the connections between science and society.
Corequisite: BIOL 1004.

BIOL 1009 - CRITICAL SCIENCE SKILLS (3)
This course is intended to develop the logical skills necessary for success in the Natural Sciences. Key concepts may include: reading a science article, writing as a scientist, scientific math and statistics skills (including computation, units conversion, concepts of probability and statistical significance, and significant digits), science study skills, the language of science, lab equipment and safety skills, lab note-taking and reading and following directions.

BIOL 1010 - GENERAL BIOLOGY (4)
A survey of the basic principles of biology. Units are included in cell biology, metabolism, cell division, genetics, ecology, and evolution. Laboratory in required. Credit may not be received for both BIOL 1010 and BIOL 1003.
Prerequisite: BIOL 1009 or CHEM 1009 (C or better); OR Science ACT score of 21 or higher; OR SAT score of 1500 or higher; OR COMPASS Algebra score of 45 or higher and COMPASS Reading Score of~71 or higher and COMPASS English score of 40 or higher. Corequisite: BIOL 1011.

BIOL 1210 - WYOMING FLORA (2)
This is a two credit class designed for anyone interested in learning about the plants of Wyoming. Lecture focuses on basics of plant biology and taxonomy; lab focuses on developing skills required for identification of plant. Lecture topics also include using native plants for xeriscaping and medicinal and edible wild plants. The class consists of a mixture of lecture, lab, and most importantly, mandatory field trips.
BIOL 1220 - BIRDING (2)

Birding is a biology class designed for anyone interested in learning something about the birds that nest in and migrate through Wyoming and adjacent states. The class consists of both lecture and lab. Lecture topics include ecology and behavior of birds, how to attract birds to your yard, how to choose binoculars and spotting scopes, and conservation biology and concerns about birds. Lab involves both identification of birds in the lab and mandatory field trips.

BIOL 1390 - INTRODUCTION TO SCIENCE RESEARCH I (4)

This course provides the student with an introduction to concepts utilized in a biological research environment. Students will read scientific literature, perform computer-based literature searches, experimental design and data collection, statistical analyses, and write a scientific paper. In addition, if the quality of the research project is adequate, students may have the opportunity to present their work at a scientific conference.

BIOL 2010 - HUMAN ANATOMY & PHYSIOLOGY I (4)

This course provides the student with the basic knowledge in anatomy and physiology of the human body with emphasis on the relationship between body structure and function. This course will cover homeostasis and tissues, as well as skeletal, muscular, nervous, and sensory systems.

Prerequisite: Take BIOL 1010. Corequisite: BIOL 2011.

BIOL 2015 - HUMAN ANATOMY & PHYSIOLOGY II (4)

This course provides the student with the basic knowledge in anatomy and physiology of the human body with emphasis on the relationship between body structure and function. This course will cover the endocrine system, blood, circulatory system, lymphatic system, respiratory system, digestive system, renal system, and reproductive system.

Prerequisite: BIOL 2010; BIOL 2010 must precede BIOL 2015, or instructor approval. Corequisite: BIOL 2016.

BIOL 2022 - ANIMAL BIOLOGY (4)

Animal Biology is an integrative course that addresses the evolution, anatomy, physiology, behavior and ecology of animals. The course surveys major animal phyla and is intended for students majoring in life sciences.

Prerequisite: BIOL 1010. Corequisite: BIOL 2032.

BIOL 2023 - PLANT AND FUNGAL BIOLOGY (4)

This course builds upon central themes in biology presented in BIOL 1010, including cell and molecular biology, genetics, evolution, and ecology. These themes will be presented in an integrated fashion, but will focus on the structure, function and biology of plants and fungi.

Prerequisite: BIOL 1010 (C or better). Corequisite: BIOL 2024.

BIOL 2080 - PSYCHOBIOLGY (4)

This is a one semester course that serves as an introduction to the biological bases of behavior. It includes ethology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior, and evolution and behavioral genetics. It presents basic structural and functional properties of the nervous system.

Prerequisite: 4 credits of BIOL or PSYC. Corequisite: BIOL 2081.

BIOL 2310 - FIELD SCIENCE RESEARCH (4)

Field Science Research emphasizes outdoor field research projects, utilizing field data collection techniques, associated scientific concepts, literature research, and interaction with regional scientific professionals. Projects span biological, physical, and service to community topics. The majority of final reports are presented in digital multimedia format.

BIOL 2390 - INTRODUCTION TO SCIENCE RESEARCH II (4)

This course is a continuation of Introduction to Science Research I. It allows motivated students to continue to perform scientific research, at a higher level then Science Research I. Students in Science Research II will be in class with Science Research I students, but will be expected to be more self-sufficient in all aspects of research (for example, designing experiments, collecting data, analyzing results, and writing scientific literature). Students are also expected to provide leadership for a small group of Science Research I students, being a "project leader" for an experiment.

BIOL 2400 - GENERAL ECOLOGY (3)

This course is an introduction to ecological thought and principles. This course considers man's influence on nature as well as nature's influence on man.

Prerequisite: Take BIOL 1010.

BIOL 2410 - INTRO TO FIELD ECOLOGY (2)

A field and laboratory course. It introduces methods used in plant and animal ecology. The focus of the course is on learning methods and techniques used by ecologists in the lab and field. Another focus of the course is learning to prepare scientific manuscripts that result from the data collected in the course.

Prerequisite: BIOL 1010. Corequisite: BIOL 2400.

BIOL 2450 - PRINCIPLES OF FISH & WILDLIFE MNGMNT (3)

This course emphasizes principles of habitat and population biology and management, human dimensions of wildlife management, as well as law and policy.

Prerequisite: BIOL 1010.

BOTK - BUSINESS OFFICE TECH

BOTK 1520 - BUSINESS MATHEMATICS (3)

This course develops math skills applicable to business including percentages, interest, payroll, inventory, depreciation and taxes.

BOTK 1555 - BASIC OFFICE SKILLS (3)

Basic Office Skills is designed for persons who expect to be employed in an office environment. Modules of instruction include standard spelling, punctuation and grammar rules and standard business correspondence formats and procedures, operation of a ten-key calculator, and building speed and accuracy on a computer keyboard.

Prerequisite: Concurrent enrollment in BOTK 1640 or typing skills.

BOTK 1640 - KEYBOARDING APP I (3)

The beginning keyboarding course is for students who have no background in typing/keyboarding. It consists of two parts. In the first part, students gain the basic theory and develop keyboarding skills through hands-on experience. The second part develops speed and accuracy on the keyboard and introduces basic document formats.
BOTK 1650 - KEYBOARDING APPLICATIONS II (3)
This course is designed to improve a student's keyboarding speed, accuracy, and formatting skills. Upon completion of this course, students should be able to: key 45 to 60+ wpm for five minutes; key various styles of letters and reports, memorandums, tables, business forms, and basic desktop publishing documents using word processing software. Marketable skills are expected.
Prerequisite: BOTK 1640 or Instructor Permission.

BOTK 1900 - MACHINE TRANSCRIPTION (3)
This course offers the student the opportunity to become proficient on a transcribing machine with emphasis on production and language skills. Upon completion of the course, students will be proficient in transcribing machine dictation, in using language arts correctly, and in formatting business documents. Emphasis is placed on improving language skills, proofreading skills, and in producing mailable copy from machine dictation the first time the material is transcribed.

BOTK 2750 - RECORDS & INFORMATION MANAGEMENT (3)
The purpose of this course is to provide the student with basic knowledge of the principles of records management. Emphasis will be placed on the cycle within which information functions are developed in the office. The rules of four storage and retrieval methods along with the equipment and materials necessary to maintain these systems will be covered in detail. The manual records systems will be emphasized so that conversions to automated systems will be simplified once the basic rules have been implanted into a system.

BOTK 2800 - OIS PORTFOLIO/CAPSTONE (2)
This course is a capstone course for students working toward an AAS in Office Information Systems or an AAS in Office Information Systems with emphasis in Medical Office Assistant. The course will provide students with the opportunity to prepare a comprehensive portfolio which may help them gain employment. In this course, students will gather documentation of their abilities to demonstrate their accomplishments in the WWCC Goals for Student Success.
Prerequisite: Minimum 45 credits towards an AAS in Office Information Systems or AAS in OIS with an emphasis in Medical Office Assistant.

BOTK 2810 - ACCOUNTING PROCEDURES I (3)
This course emphasizes accounting theory and applications, including the accounting cycle on sole proprietorships and partnerships, journals, ledgers, adjustments, worksheets, and payroll procedures. Experience in accounting on the microcomputer is offered. This course is designed for students enrolled for a certificate or the A.A.S. degree.

BOTK 2820 - ACCOUNTING PROCEDURES II (3)
This course emphasizes accounting theory and applications, including the accounting cycle on sole proprietorships and partnerships, journals, ledgers, adjustments, worksheets and payroll procedures. Experience in accounting on the microcomputer is offered. This course is designed for students enrolled for a certificate or the A.A.S. degree.

BOTK 2900 - OFFICE SYSTEMS & PROCEDURES (3)
This course offers the OIS student in-depth discussion and application of the procedures they will be expected to perform upon entering the world of work in the electronic office. This course is designed to tie together previously learned skills and knowledge as well as present new subject matter. Modules such as the following will be included: technology in the office, time management, communications, administrative support functions and preparing for employment.
Prerequisite: BOTK 1555 and COSC 1200 or Instructor Permission.

BOTK 2970 - OIS INTERNSHIP (1 - 3)
This course enhances an academic program of study by providing students with an opportunity to increase their general understanding of business office procedures. Students will be expected to apply concepts from the prerequisite courses to problems and situations in a real-world office environment.

BUSN - BUSINESS

BUSN 2000 - INTRODUCTION TO INTERNATIONAL BUSINESS (3)
This course is a broad survey of the field of international business which introduces the basic concepts of international business activity and theory. Students will be introduced to the major foreign environmental forces - financial, economic, and socioeconomic, physical, sociocultural, political, legal, labor, competitive and distributive - within the context of strategic management issues.

CHEM - CHEMISTRY

CHEM 1000 - INTRODUCTORY CHEMISTRY (4)
A one semester course that provides an introduction to chemistry and its impact on contemporary society. This course is designed for students in home economics, nursing, education, general arts and sciences, and agriculture. Students cannot receive duplicate credit for CHEM 1000 and CHEM 1020.
Prerequisite: MATH 0920 (maybe taken concurrently) or equivalent Math Placement Test. Corequisite: CHEM 1001.

CHEM 1001 - INTRODUCTORY CHEMISTRY LAB (0)
Corequisite: CHEM 1000.

CHEM 1009 - CRITICAL SCIENCE SKILLS (3)
This course is intended to develop the logical skills necessary for success in the Natural Sciences. Key concepts may include: reading a science article, writing as a scientist, scientific math and statistics skills (including computation, units conversion, concepts of probability and statistical significance, and significant digits), science study skills, the language of science, lab equipment and safety skills, lab note-taking and reading and following directions.
CHEM 1020 - GENERAL CHEMISTRY I (4)
This course is the first semester of a two semester sequence. It is designed for science majors. The fundamental principles of chemistry with emphasis on atomic structure, periodicity, stoichiometry, bonding, chemical changes and gas laws are discussed.
Prerequisite: MATH 1400 (C or better) plus the following: BIOL 1009 or CHEM 1009 (C or better), OR Science ACT score of 21 or higher, OR SAT score of 1500 or higher, OR COMPASS Algebra score of 45 or higher, COMPASS Reading Score of 71 or higher AND COMPASS English score of 40 or higher. Corequisite: CHEM 1021.

CHEM 1021 - GENERAL CHEMISTRY I LAB (0)
Corequisite: CHEM 1020.

CHEM 1030 - GENERAL CHEMISTRY II (4)
This course is a continuation of General Chemistry I. This semester emphasizes chemical equilibrium, chemical kinetics, redox reactions, energy changes, nuclear chemistry and acid/base chemistry. Also included is organic and biochemistry.
Prerequisite: CHEM 1020 and MATH 1400. Corequisite: CHEM 1031.

CHEM 1031 - GENERAL CHEMISTRY II LAB (0)
Corequisite: CHEM 1030.

CHEM 2230 - QUANTITATIVE ANALYSIS (5)
General principles of analytical chemistry. Topics include quantitative separations, equilibria, ionization and solubility. Semi-micro techniques for quantitative cation and anion analyses are included.
Prerequisite: CHEM 1020 and 1030. Corequisite: CHEM 2231.

CHEM 2231 - QUANTITATIVE ANALYSIS LAB (0)
Corequisite: CHEM 2230.

CHEM 2320 - ORGANIC CHEMISTRY I (4)
The chemistry of carbon compounds. This course emphasizes alkanes, alkenes, alynes and aromatic compounds. The nomenclature, structure and reactivity of these and various functional groups is discussed.
Prerequisite: CHEM 1020 and 1030. Corequisite: CHEM 2321.

CHEM 2321 - ORGANIC CHEMISTRY I LAB (0)
Corequisite: CHEM 2320.

CHEM 2340 - ORGANIC CHEMISTRY II (4)
This course is a continuation of CHEM 2320. More functional groups are discussed as well as carbon rearrangements. Spectroscopy (i.r., n.m.r., u.v.) is discussed in lecture and laboratory. An introduction to biochemistry is included.
Prerequisite: CHEM 2320. Corequisite: CHEM 2341.

CHEM 2341 - ORGANIC CHEMISTRY II LAB (0)
Corequisite: CHEM 2340.

CMAP COMPUTER APPLICATIONS OIS

CMAP 1500 - COMPUTER KEYBOARDING (1)
Computer Keyboarding is designed for students who wish to learn the computer keyboard by touch. It covers the alphabet, number, and symbol keys. Upon completion of Computer Keyboarding, the student will type from 25 to 35 words per minute accurately, proofread keyboarded copy, and demonstrate knowledge of basic keyboarding techniques and conventions. Some students use this course to improve keyboarding speed and accuracy.

CMAP 1610 - WINDOWS I (1)
Upon completion of this course you will know the terms, concepts and components associated with the Windows operating system. Topics include: file management, using help, and customizing windows. The focus will be on hands-on instruction that meets employee needs in the workplace.

CMAP 1705 - WORD PROCESSING APPLICATIONS: (3)
This course offers the student individualized instruction on word processing software such as Microsoft Word or WordPerfect. Emphasis will be on documents applicable to business, government and industry. Some of the topics include: creating, editing, and formatting documents; desktop publishing; styles; tables; merges (form letters); integrating with other applications; macros; templates; and on-screen forms. Students successfully completing this course in Microsoft Word should be prepared to take the Word Expert Level Microsoft Office Specialist exam.
Prerequisite: Keyboarding Competency.

CMAP 1716 - WORD PROCESSING BASICS: (1)
The purpose of this class is to provide the student with the basic features of a software package. This course is recommended for students who want to learn the basics; however it is not recommended for those students interested in the secretarial field.
Prerequisite: Keyboarding Competency.

CMAP 1750 - SPREADSHEET APPLICATIONS: (3)
This course offers the student individualized instruction on spreadsheet software such as Excel. Emphasis will be on spreadsheets applicable to business, government, and industry. Some of the topics include: creating and editing spreadsheets, formulas, functions, charts, data tables, databases, templates, integrating with word processing documents, macros, and visual basic. Students successfully completing this course in Excel should be prepared to take the Excel Expert Microsoft Office Specialist exam.
Prerequisite: Keyboarding Competency.

CMAP 1800 - DATABASE APPLICATIONS: (3)
This course offers the student individualized instruction on database software such as Microsoft Access. Emphasis will be on databases applicable to business, government and industry. Some of the topics include: planning, creating, and maintaining databases; creating queries to locate information; creating professional-looking reports and forms; integrating with other applications; creating macros; and using Visual Basic. Students successfully completing this course in Microsoft Access should be prepared to take the Access Expert Level Microsoft Office Specialist exam.
Prerequisite: COSC 1200.
CMAP 1850 - DESKTOP PUBLISHING I: (1)
Desktop publishing has become an important tool for communicating in today's office. Upon completion of this course, the student will accurately use page layout software, such as Publisher, to apply desktop publishing concepts in various personal and business applications. Students will produce professional-looking publications such as newsletters, brochures, and flyers.
Prerequisite: Keyboarding Competency.

CMAP 1860 - INTRO TO DIGITAL DESIGN TECHNOLOGIES (3)
This introductory course will cover topics related to living and working in the digital world. Students will learn basic skills to develop various layouts as related to digital media and digital visual communication using today's technology. Topics to be covered include ethical issues awareness and responsibilities related to digital document design, literacy in generalized digital design software tools and uses, and the development of basic skills to develop various layouts as related to digital media and visual communication. Hands-on activities and case studies will prepare students for advanced courses. A computer literacy course, such as COSC 1200, is recommended, but not required.

CMAP 1865 - DIGITAL PAGE LAYOUT DESIGN: (3)
In this course, students will learn basic terminology, tools, and uses related to digital page layout design using the industry-standard professional page layout software. As they become educated designers in the field of digital page layout, students will develop publications, Web pages, brochures, and other digital documents and identify appropriate file formats for different means of presentation and media for such digital layouts. Hands-on case problem-solving for real-world scenarios and clients will give students the opportunity to demonstrate the interface between digital page layout software, digital illustration software, and image editing software. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMAP 1870 - DIGITAL ILLUSTRATION DESIGN: (3)
Throughout this course, students will learn basic terminology related to digital illustration and gain practical experience with the industry-standard professional digital illustration program. Through hands-on learning, students will experience the various general tools and uses of digital illustration creation and become educated designers in the field of digital illustration. An awareness of the ethical responsibilities while creating digital illustrations will be developed as real-world scenarios for clients will be investigated and solved. Students will learn and identify various file formats for various purposes as well as the presentation of completed digital illustration projects in various media. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMAP 1875 - DIGITAL MULTIMEDIA DESIGN: (3)
Students in this course will learn the basic terminology related to digital multimedia development using industry-standard digital multimedia creation software programs. Static designs, animations, and different web technologies will be developed by students and then presented in appropriate formats and media such as web pages and videos. Through hands-on case problems and real world scenarios, students will become educated designers in the field of digital multimedia. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMAP 1880 - INTERNET (1)
This course will provide instruction and hands on practical experiences to accomplish a review of the terminology, history and services of the Internet. Students will gain a knowledge of search, chats, e-mail and home pages.
Prerequisite: Basic Typing Skills.

CMAP 1885 - DIGITAL DESIGN PUBLISHING: (1)
This course provides an in-depth overview of the industry standard software for publishing digital documents for digital display and print. Students will be introduced to the program's tools and uses and will learn basic terminology related to digital document publishing. Through hands-on case studies and real world activities, students will develop and demonstrate different digital publications and present them for viewing and use. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMAP 1890 - WWW AUTHORING: (1-3)
This course is an introduction to web page authoring. Students develop basic skills in: designing, formatting, managing collections of related Web pages, finding online resources, and publishing to a server. Basic computer experience is recommended.
Prerequisite: Keyboarding Competency.

CMAP 1905 - INTEGRATED APPLICATIONS: (3)
This course offers individualized instruction on integrated software common in the business world. Lessons start at a beginning level and build to an intermediate level using an integrated software suite, such as Microsoft Office. Applications will include: word processing, spreadsheets, database, presentations, and several lessons that integrate two or more applications.
Prerequisite: Keyboarding Competency.

CMAP 2600 - COMPUTER GRAPHICS: (1-3)
This course offers the beginning student instruction on current popular computer graphics software programs such as: presentation software, web authoring software, and photo editing software. The focus will be on applications that meet employee needs in the workplace.

CMAP 2605 - COMPUTER GRAPHICS II: (3)
This course offers advanced student instruction on current popular computer graphics software programs such as: presentation software, web authoring software, and photo editing software. The focus will be on applications that meet employee needs in the workplace.
Prerequisite: CMAP 2600 or Instructor Permission.

CMAP 2630 - PRESENTATION GRAPHICS: (1-3)
Students will create presentations designed to share with an audience. Presentation concepts and planning effective presentations will be a focus throughout the course. Students will learn to create, edit, and delete slides; manipulate objects, copy, move and format text; create transitions and animations; and integrate with other software programs. Assignments, projects, and tests will be representative of work that meets employee needs in the workplace.
CMAP 2895 - DIGITAL DESIGN TECH CAPSTONE (1)
This course will allow students to demonstrate knowledge of industry-standard digital design software programs by completing a final project of their choice. The opportunity to prepare an electronic portfolio is presented as students are required to reflect on past projects and choose those to showcase in a digital portfolio. This course does not fulfill the WWCC Assessment Requirement for graduation.
Prerequisite: CMAP 1885 and CMAP 1890 or COSC 2350 and 1885.

CMPT - COMPRESSION TECHNOLOGY
CMPT 1510 - COMPRESSION TECHNOLOGYI (3)
This course is designed to provide students with an introduction to the Natural Gas Compression Industry. Natural gas compressors and their various drivers will be introduced along with the complete operation of the compression package. The physics and math of the compression process will be discussed along with the precision measuring and rigging procedures required to work on compression equipment. Students will also learn safe work practices and will be introduced to hand tools and power tools used in the Natural Gas Compression Industry.

CMPT 1511 - COMPRESSION TECH, FOR IND (0.5)
This course is designed to give students the basic engine fundamentals that provide a solid foundation in the operation and maintenance of reciprocating engines and compressors. This course is approved for S/U grading.

CMPT 1520 - COMPRESSION TECHNOLOGY II (3)
This course is designed to provide students with an introduction to the operation and maintenance of natural gas internal combustion engines. The fundamentals of combustion theory will be discussed along with detonation, pre-ignition, lean/ rich burn and advance/retard timing. 2-stroke and 4-stroke cycle theory will be introduced along with engine configurations. Emission theory, emission controls and emission measurement will be discussed. Students will also learn safe work practices and will work on engines used in the Natural Gas Compression Industry.
Prerequisite: CMPT 1510.

CMPT 1530 - COMPRESSION TECHNOLOGY III (3)
This course is designed to provide students with an introduction to the operation and maintenance of natural gas compressors. The operating theory of reciprocating, centrifugal and helical screw compressors will be discussed along with compressor horsepower, pressure-volume curves, capacity control, discharge temperature and multi-staging. Packing, rod load/reversal, cylinder lubrication and valves will be discussed for reciprocating units. Students will also learn safe work practices and will work on compressors used in the Natural Gas Compression Industry.
Prerequisite: CMPT 1520.

CNTK - CONSTRUCTION TRADES
CNTK 1580 - BASIC CONSTRUCTION SKILLS (3)
This course will give the student a basic knowledge of construction. The material will relate to the overall construction industry and is considered ‘basic training’ for all crafts. Hands-on experience will be gained from lab work, projects, and occasional job-site visits. National Center for Construction Education Research (NCCER) certification in the CORE Curriculum is available to students over 18 years of age at the time of completion.

CNTK 1700 - INTRODUCTION TO CONSTRUCTION (3)
Home improvement will be emphasized in this broad-based course which will give the student a basic knowledge of the construction industry, how-to home maintenance, safety practices and hands-on training with most hand and power tools.

CNTK 1900 - CONCRETE & ASPHALT TECH (4)
This course is designed to give the student a basic knowledge of concrete and asphalt materials and method as well as prepare students for entry into the construction field. Taught in Rawlings Outreach only.

CNTK 1905 - CARPENTRY (4)
This course will give the student a basic knowledge of carpentry. Typically, the material will relate to residential construction, but commercial and industrial applications will also be covered. Hands-on experience will be gained from lab work, projects, and occasional job-site visits.

COMM - COMMUNICATION
COMM 1000 - INTRODUCTION TO MASS MEDIA (3)
A survey of mass media: newspapers, magazines, books, radio, films and television. A study of their historical development and the impact they made on the American public, through content and technology. A study of the current issues, problems and trends in the mass media.

COMM 1005 - INTERCULTURAL COMMUNICATION (3)
This course will provide an overview of knowledge and skills to use effectively in intercultural or international communication environments, and relationships. Topics addressed may include the history and culture of specific groups including racial, religious, and ethnic issues that affect communication patterns and outcomes.

COMM 1010 - PUBLIC SPEAKING (3)
This course is a practical performance course in public speaking. The course combines readings, lectures, discussion, and presentations to help the student become a more competent, confident and effective public speaker. The main topics covered include: researching and organizing a speech, audience analysis, using visual aids, effective delivery, handling stage fright, proposing arguments and making persuasive appeals.

COMM 1030 - INTERPERSONAL COMMUNICATION (3)
This course combines reading, discussions, lectures and exercises to explore a wide variety of topics and skills in face-to-face interaction. The student will become aware of current research in the human communication field as well as become more effective communicators in their relationships with friends, family, co-workers, and intimates. Here is a sampling of topics and skills included in the course: nonverbal communication, male female communication problems, handling interpersonal conflict, improving listening and response skills, and enhancing communication in intimate relationships.

COMM 1040 - INTRODUCTION TO HUMAN COMMUNICATION (3)
From ancient Greece to the present day, scholars have studied human communication. This course considers a variety of theories that help us better understand interpersonal, small group and mass communication. Students interested in the study of communication - from the power of language, to the dynamics of close relationships, to the effects of the television on society – will find this course to be interesting and worthwhile.
COMM 1050 - CONFLICT MANAGEMENT & MEDIATION (3)
This course blends theory, research and practical skills to help us better understand and manage our conflicts. Additionally, this course offers guidance for those who sometimes find themselves playing the role of mediator, a neutral third party who assists disputants create their own solutions. Conflict is a natural, inevitable, and potentially beneficial event in our personal and professional lives. Yet few of us take time to formally study and explore conflict. Managing conflict well requires skills, energy, wisdom and creativity.

COMM 1070 - EFFECTIVE LISTENING (3)
Listening is the process of hearing, attending to, interpreting, remembering, and responding to spoken messages. This course will explore listening theories and research, the listening process, listening challenges, various listening contexts; and essential listening skills.

COMM 1200 - SIGNING EXACT ENGLISH I (2)
This course is designed to familiarize students with the language of Signing Exact English. This language was developed to teach hearing impaired individuals the mechanics of the English language while allowing them to use signed communication. Classes will include signing practice, learning new words, quizzes, finger spelling practice and games. New vocabulary will be introduced each session for practice in the classroom and at home. Students who complete this course will be able to sign approximately 700-1000 words, the alphabet, numbers, time and money, using these in sentences and conversations.

COMM 1230 - AMERICAN SIGN LANG I (4)
American Sign Language is a true language that is used within the deaf community. This course will introduce students to basic expressive and receptive skills in American Sign Language, including conversation strategies; body language, facial expressions, and fingerspelling. Students who complete this course should be able to produce 1500 words with signs learned in class, along with having an awareness of deaf culture.

COMM 1240 - AMERICAN SIGN LANGUAGE II (4)
American Sign Language is a true language that is used within the deaf community. This course will enable students to continue to develop expressive and receptive skills, along with conversational skills in ASL. Students will build their vocabulary, linguistic features, and continue to study deaf culture. Students who complete this course should be able to produce an additional 1500 words with signs learned in class along with having an awareness of deaf culture.

Prerequisite: COMM 1230.

COMM 1370 - PUBLICATIONS PRODUCTION I (1-3)
This course provides practical experience for students interested in producing student publications such as a student newspaper or newsletter, a magazine or a web page. Areas for participation include writing, editing, photography, design and layout. The goals are 1) to provide the student with hands-on training and instruction in the various areas of production; and 2) to produce a student publication.

COMM 1375 - PUBLICATIONS PRODUCTION II (1-3)
This course provides practical journalistic experience for students interested in producing the college newspaper. Areas for participation include newswriting, editing, photography, advertising, sales and design, and layout. The goals are 1) to provide the student with hands on training and instruction in the various areas of production, and 2) to produce a quality college newspaper.

COMM 2060 - FORENSICS PRACTICUM (1)
Develops basic skills in competitive and public speaking by refining the speaking and thinking competence of students. This course requires attendance at three competitive tournaments per semester in parliamentary debate and/or interpretive events. Students of this course must be a member of the WWCC Forensics Team. Course may be taken twice for credit.

COMM 2080 - INTRODUCTION TO FORENSICS RESEARCH (2)
This course is designed to provide instruction and assessment in research, study, and competition in speech events. Focus in this course will be on the research and development of interpretive and original (oratory) speeches to be used in college competition. Course may be taken twice for credit.

COMM 2085 - INTRODUCTION TO PARLIAMENTARY DEBATE (2)
This course introduces students to the vocabulary, structure, and strategy of competitive parliamentary debate. The student will show development of basic skills in competitive debate and public speaking by refining their speaking and thinking competence through this debate style. This course requires attendance at three competitive tournaments per semester in parliamentary debate. Course may be taken twice for credit.

COMM 2090 - INTRODUCTION TO PERSUASION (3)
Persuasion is communication intended to influence the beliefs, values and/or behaviors of other people. This course is designed to make the student aware of major theories and research in persuasion; to help the student become a more critical receiver of persuasive messages; and help the student become a more competent persuasive speaker. As a result of the course, the student should have an understanding of how persuasion happens interpersonally, in advertising, in political campaigns and in public speech.

COMM 2100 - REPORTING & NEWSWRITING (3)
A study of the fundamentals of writing the news story through practice in writing and analysis of the form. Second semester continues with a study of news gathering techniques and procedures and specialized journalism.

COMM 2110 - NONVERBAL COMMUNICATION (3)
This course surveys contemporary research findings in the study of human nonverbal behavior. Topics include: physical appearance, touch, distance, face and eye behavior, scent, time, gestures, and other nonverbal cues. The student will gain a deeper understanding of nonverbal’s impact in our daily lives. Attention will be given to nonverbal’s impact on relationships between superiors and subordinates, women and men, teachers and students, and members of different cultures.

COMM 2200 - BROADCAST PRODUCTION (3)
This course focuses on producing broadcast media with emphasis on actual experience with equipment and understanding of its operation. Students will learn how to create news for broadcasting by utilizing the on-campus radio station, campus monitors, and the webcasting system. Students will produce audio and/or video news stories for radio and television broadcast as well as Web distribution. Incorporated into this class is broadcasting Mustang Athletic events for live Internet feed. Course may be taken twice for credit.
COMM 2210 - BROADCAST PRACTICUM (2)
This practicum will continue the learning process from the prerequisite course by further focusing on broadcast media in depth, and allowing students to experiment with various types of equipment used in broadcast journalism. Course may be taken twice for credit.
Prerequisite: COMM 2200.

COMM 2270 - PUBLIC RELATIONS (3)
This course is designed to introduce students to the field of public relations, the profession, its processes, its publics, the kinds of organizations in which it is practiced, and the critical issues that confront it. It also addresses a variety of public relations theories, case studies, and tactics, including those involving print, broadcast, and electronic media. It is designed to increase competence and build confidence in students interested in the public relations field, and to build skills in writing, speaking, listening, research, critical thinking, and creative thinking. Lectures, videos, issue and case study debates and analyses, practice exercises and projects, readings and discussions are incorporated into the class.

COMM 2300 - GRAPHIC DESIGN I (3)
This course introduces the fundamentals of graphic design to students interested in desktop publishing. Students learn to use type, layout and other design elements to produce effective ads, brochures, newsletters and other documents on personal computers. Adobe PageMaker is used to design visually appealing and communicative artwork for print.
Prerequisite: Basic Computer Competency Windows or Mac environment.

COMM 2330 - GRAPHIC DESIGN II (3)
Prerequisite: ART 2102 COMM 2300 or Instructor Permission.

COMM 2370 - PUBLICATIONS PRODUCTION III (1-3)
This course provides practical journalistic experience for students interested in producing the college newspaper. Areas for participation include newswriting, editing, photography, advertising sales and design, and layout. The goals are 1) to provide the student with hands on training and instruction in the various areas of production, and 2) to provide a quality college newspaper.

COMM 2375 - PUBLICATIONS PRODUCTION IV (1-3)
This course provides practical journalistic experience for students interested in producing the college newspaper. Areas for participation include newswriting, editing, photography, advertising sales and design, and layout. The goals are 1) to provide the student with hands on training and instruction in the various areas of production, and 2) to produce a quality college newspaper.

COMM 2485 - COMMUNICATION SEMINAR: (1-3)
This course will combine readings, lectures, discussions, films, and activities to explore a wide variety of topics and issues in the communication field, generally one theme per semester. Past topic offerings include listening, intercultural communication, and media literacy; future topics may vary from semester to semester.

COSC - COMPUTER SCIENCE

COSC 1010 - INTRO TO COMPUTER SCIENCE I (4)
This course introduces algorithmic problem solving and programming using principles of top-down design, stepwise refinement and procedural abstraction. Programming exercises in a popular programming language and experimentation with software in a closed laboratory supplement the discussion.
Prerequisite: MATH 0930 (C or better) or equivalent Math Placement test score.

COSC 1030 - COMPUTER SCIENCE I (4)
This course introduces the student to algorithmic problem solving using principles of structured programming and object-oriented design. Algorithms are implemented in a high level object oriented programming language. Graphical user interfaces are used to motivate the object approach. Programming exercises and experimentation with software in a closed laboratory supplement the discussion.
Prerequisite: COSC 1010 or Instructor Permission.

COSC 1200 - COMPUTER INFORMATION SYSTEMS (3)
This introductory, lecture/lab course provides students with a basic understanding and experience with computers. Students will be introduced to the basic functions of the computer and common software packages used by business. Hands-on experience will be provided through lab activities. This course is designed for the first-time user. Topics such as the following will be included: hardware, software, operating systems, communications, information systems, buying computers, and workplace issues.
Prerequisite: Keyboarding Competency.

COSC 1350 - WEB DEVELOPMENT I (3)
Students will learn some of the most important topics of a prominent web programming language, from the basics of creating Web pages with graphics and links, using tables, and controlling page layout with frames, to more advanced topics including cascading style sheets, programming objects and events, creating multimedia Web page, and creating a Web page with forms.
Prerequisite: COSC 1200.

COSC 1360 - PC SUPPORT TECHNICIAN: (4)
This course is intended to prepare students for a national certification exam to meet entry-level requirements for employment in areas closely related to the PC support industry. Examples include: small computer repair (A+ Certification), networking small computers (Network+ Certification), integrating the small computer with the internet (I-net Certification), and similar courses.

COSC 2350 - WEB DEVELOPMENT II (3)
The main purpose of this course is to provide students with a strong understanding of Web design principles in the planning, building, publishing, maintaining, and publicizing of a Web site. This course focuses on the complete Web development cycle from the conception of the idea of a site through the building and publishing of the site. Construction components for this course will focus on the prominent programming language(s).
COSC 2360 - WEB PAGE DYNAMICS & SCRIPTING (3)
In this course, students will take an in depth look at programming concepts and techniques for web page design. Students will examine theoretical concepts that make the world of script programming unique. In addition, this course will adopt a practical hands-on approach when examining programming styles. Along with examining different coding, this course will explore the advancement of programming, as well as, timeless problem solving strategies.

COSC 2409 - PROGRAMMING (VISUAL BASIC) (3)
This course studies modern programming languages that are geared primarily toward graphical user interfaces and interactive processing. An activity course that introduces students to the concepts of end-user computing, human factors in interface design, graphical programming environments and event-driven programming.
Prerequisite: MATH 1400 or higher (C or better) or Instructor Permission.

COSC 2470 - INTERNSHIP: COMPUTER SCIENCE (1 - 3)
This course enhances an academic program of study by providing students an opportunity to increase their general understanding of computers and related technology and their role therein. Students will be exposed to specific tasks required in the operation and maintenance of Information Technology (IT) departments.

COSC 2800 - COMPUTER SCIENCE PORTFOLIO/CAPSTONE (2)
This course is a capstone course for students working towards an AS in Computer Information Systems. The course will enable students to prepare a comprehensive portfolio to demonstrate their knowledge, both legal and procedural, as to how criminal evidence is handled and maintained for the court process. Additionally, the student will receive an overview of the procedures available to the law enforcement investigator for the laboratory, both field and in-house, processes which will aid in yielding criminal evidence.
Prerequisite: Students must have completed 45 credit hours toward intended degree.

CRMJ - CRIMINAL JUSTICE
CRMJ 1015 - HOMELAND SECURITY: (3)
This course will examine some of the methods of responding to emergencies, whether they are natural or manmade, as well as why we need to discuss these issues today in a Post 9/11 World. Topics will vary from semester to semester and may include critical infrastructure, terrorist groups, suicide bombers, and natural disasters.

CRMJ 1550 - COMMUNITY RELATIONS (3)
This course is concerned with problems which polarize law enforcement and the community. The study of these problems and how to solve them through improved public relations. An overview of several public relations programs presently in use in the law enforcement field.

CRMJ 1900 - INTRODUCTION TO LAW ENFORCEMENT (3)
This introductory course is intended for those students seeking a career in law enforcement and those wishing a basic overview of the role of police in American society. It will provide an overview of the expectations and realities of police work. The course provides an overview of the role of police officers in society, their basic duties and responsibilities, career options, and current topics on special problems facing law enforcement.

CRMJ 2120 - INTRODUCTION TO CRIMINAL JUSTICE (3)
This course provides the criminal justice student with an overview of the institutions and procedure of the criminal justice system. Historical and theoretical perspectives on law enforcement, the courts and corrections will be examined. Emphasis is placed on current political issues facing the criminal justice system.

CRMJ 2210 - CRIMINAL LAW I (3)
This is a survey course that provides a basic understanding of the criminal law it developed and as it presently exists throughout most of the United States.

CRMJ 2220 - CRIMINAL LAW II (3)
Provides the knowledge, both legal and procedural, as to how criminal evidence is handled and maintained for the court process. Additionally, the student will receive an overview of the procedures available to the law enforcement investigator for the laboratory, both field and in-house, processes which will aid in yielding criminal evidence.
Prerequisite: CRMJ 2210.

CRMJ 2250 - POLICE ADMINISTRATION I (3)
This course provides the student an understanding of law enforcement organization and an introduction to the administration mechanics required in the operation of a law enforcement agency. The student will be exposed to a wide variety of state-of-the-art activities and structures which become the necessary daily operations of a police agency.

CRMJ 2280 - CRIMINAL PROCEDURES (3)
This courses deals with the criminal process, constitutional and criminal procedure, search and seizure, search for evidence, police interrogation and confessions, identification procedures, court proceedings, and post trial proceedings.

CRMJ 2400 - CRIMINOLOGY (3)
This course provides an overview of the study of crime. Topics include social responses to crime, research method causation and policy approaches to crime.

CRMJ 2420 - JUVENILE JUSTICE (3)
Provides an overview of the juvenile justice systems and a working knowledge of the law enforcement procedures utilized in the handling of the juvenile offender and juvenile protective custody situation. Additionally, the student will be introduced to various prevention programs directed at the youthful offender.

CRMJ 2450 - ETHICS IN CRIMINAL JUSTICE (3)
This course will provide a basic introduction to several ethical theories and will apply these theories to moral problems confronted by criminal justice practitioners in the areas of policing, the courts, corrections and juvenile justice. The course will focus on discussion and case-study analysis and is designed to provide various perspectives that may assist criminal justice professional in moral and ethical decision making.
CRMJ 2460 - POLITICAL CRIME (3)
This course is designed to provide the student with an overview of the three categories of political crime: crimes against the state (government, treason, etc.); crimes committed by the state (government, denial of civil rights, etc.); and crimes against other groups (hate crimes, etc.). Students will be exposed to the role of the criminal justice system when confronted with these crimes and activities. Due to recent concern about government abuses and growth of militia groups, a large portion of the course will be spent studying these groups, their beliefs and tactics. Also major hate groups such as the Aryan Nation and the Ku Klux Klan will be discussed as groups involved in crimes against other groups. Students will be exposed to widely varying viewpoints from assigned readings, debates and guest speakers. The subject of this course is very controversial to many. Various topics may be presented by either the instructor or guest speakers in a manner that may be offensive to some. The student should be aware that the treatment of many subjects will be for the purpose of provoking discussion rather than personal beliefs of the instructor.

CRMJ 2510 - PATROL PROCEDURES (3)
Course is designed to familiarize the student with patrol operations in the community with emphasis on the police patrol officer and the accomplishment of his duties. The student will be exposed to several methods of aggressive and proactive patrol tactics and techniques.

CRMJ 2550 - CRIMINAL INVESTIGATION I (3)
The course will familiarize the criminal justice student with the basic principles of the investigative technique. To correlate legal information into effective data necessary to the process of legal prosecution. Also, to familiarize the student with methods of operation, character of criminals and the aspect of state-of-the-art criminal detection methods.

CRMJ 2560 - CRIMINAL INVESTIGATION II (3)
Course designed to acquaint the criminal justice student to people who are witnesses or suspects through mental and physical characteristics, and various methods of questioning, therefore strengthening the student's background in obtaining information. Various cases will be reviewed throughout the semester to introduce the student to actual effective techniques presently in use by law enforcement investigators.

CRMJ 2580 - CRISIS INTERVENTION MANAGEMENT (3)
Provides the criminal justice student knowledge as to the skills he must develop in order to effectively perform the law enforcement function as related to highly volatile, and extremely stressful, human emergency situations.

CRMJ 2590 - DRUGS & CRIMINAL JUSTICE (3)
Provides the history and tentative identification of the abused drugs, their physical and mental characteristics when injected, their effects and relationship on the individual, education, society and the courts. The second portion of this course deals with prostitution and gambling, its impact upon the individual, law enforcement and society. The student will be exposed to the history, profiteering and control of violations of vice and narcotics-types crimes.

DESL - DIESEL TECHNOLOGY

DESL 1500 - DIESEL ENGINE FUNDAMENTALS (1)
This class will cover the terminology directly related to diesel engines, the theory of basic diesel engine operation, and engine components will be covered. This class will also cover the theory and operation of a mechanical diesel engine fuel injection system. The students will be instructed in troubleshooting, diagnosis and repair procedures for these systems. The students will also be introduced to electronic injection system theory and operation.

DESL 1590 - HEAVY DUTY POWER TRAINS (6)
This course is designed to introduce the students to the fundamentals, theory, and applications of heavy duty drivetrains. The course will cover all components of heavy duty drivetrains including twin disc clutches, twin counter shaft manual transmissions, Allison and Caterpillar automatic transmissions, 5000 and 6000 series driveline components and double and single reduction differentials. Methods of disassembly, repair and diagnostics will be covered as well as safe and correct procedures for removal and replacing these components in heavy duty vehicles.

DESL 1595 - DIESEL FUNDAMENTALS (3)
This course will cover the terminology and history of diesel engines, the types of engines, components, basic operation, fuel, lubrication, cooling, intake and exhaust systems will be studied. This course is intended to be an introductory course in basic diesel operation, maintenance, diagnosis, trouble shooting, and possible repair procedures.

DESL 1600 - DIESEL ENGINES (9)
This course will first cover the terminology directly related to diesel engines. The basic components of diesel engines will be covered in the classroom before students will be allowed to disassemble any engines. After the student has covered the theory and components of the diesel engine, he/she will then be expected to disassemble a two, three, four, five and six cylinder engine and perform all necessary measurements and engine component checks. Student will be required to find all necessary specifications in the engine manual. Student will be required to reassemble, start, and make any final adjustments to the engine. All tools and special equipment will be furnished by the college.

Prerequisite: DESL 1595 or Instructor Permission.

DESL 1645 - ADVANCED DIESEL ENGINE & ELECTRONICS (1)
This course is intended to further the understanding of diesel engines by discussing the theory of electronic controlled diesel engines. The course will introduce the student to basic computer control systems and components as related to a modern diesel engine and to scan tools and diagnostic software for electronic fuel injection control systems as well as electronic troubleshooting, diagnosis and emissions reduction and controls.

Prerequisite: DESL 1500.

DESL 1680 - HD BRAKE & SUSPENSION (3)
This course is designed to introduce the students to the fundamentals, theory, and applications of heavy duty brakes and suspensions systems. The course will cover all components of heavy duty brakes and suspension including Air brake systems, heavy duty steering; both manual and power, conventional suspension and air ride suspension. Methods of disassembly, repair and diagnostics will be covered as well as safe and correct procedures for removing and replacing these components in heavy duty vehicles.
ECON - ECONOMICS

ECON 1010 - MACROECONOMICS (3)
A beginning study of how the economic society is organized and uses scarce resources to provide for its material wants. Topics to be covered include national income analysis, business cycles, the banking system, monetary and fiscal policy, inflation, and unemployment.

ECON 1020 - MICROECONOMICS (3)
How the economic society is organized and uses scarce resources to provide for its material wants. Second semester will cover value and price theory, monopoly and public policy, markets for productive goods and services, labor economics, alternative forms of economic organizations.
Prerequisite: ECON 1010 (C or better).

ECON 1200 - ECONOMICS, LAW & GOVERNMENT (3)
Markets and free enterprise depend on supportive legal and political institutions. This course investigates the influence of these governmental and legal institutions on markets and individual economic decisions. By exposing students to the US political economy, they will see important relationships between market development, the legal framework, and the political system. The US and Wyoming constitutions are studied to show their importance to free enterprise. Alternative views of the appropriate roles of government in the economy will be discussed. This knowledge of economics, law, and government will then be applied to the study of current issues.
Prerequisite: BADM 1000, may be taken concurrently.

ECON 1300 - ENERGY (3)
This course provides an understanding of how energy affects international relations and commerce. Beginning in the 1800s, oil and engine technology became the basis of the modern global economy and many major public and private global institutions. As the need for energy expanded, so did its impact on economic and social issues including financial markets, labor, regulation, statism, geopolitics and sustainability. The relationships among these factors are investigated via lecture, video presentations and class discussions.

EDCI - EDUCATION, CURRICULUM & INSTRUCTION

EDCI 1000 - EDUCATION EXPERIENCE PROSPECTIVE TCHRS (2)
This course is designed to assist freshman education majors in making the transition to college life. Involvement in the college as a whole with knowledge of the resources available is central. An understanding of the academic requirements of continuing in the field of education is incorporated.

EDCI 2440 - INTRODUCTION TO CLASSROOM MANAGEMENT (1)
This course is designed to meet the needs of education majors as an introduction to methods of classroom management. Broad areas to be addressed include strategies to promote a positive and constructive classroom climate and techniques for addressing concerns specific to varied student populations.

EDCI 2526 - FACILITATING ONLINE LEARNING (1)
This course introduces online instructors to best practices within online education; it allows the instructor to experience the challenges of being an online learner; and it focuses on up-to-date research regarding online instructor pedagogy. This course also introduces the user to the Blackboard platform and how the tools within Blackboard can be used to teach an online course.

EDEC – EDUCATION, EARLY CHILDHOOD

EDEC 1020 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION (3)
This course introduces the student to the field of early childhood education through lecture, discussion, and participation. Topics to be explored include components of a quality program, child development theory, curriculum development, learning environments, classroom management, parent - teacher relationships, importance of play and teaching as a profession.

EDEC 1025 - EARLY CHILDHOOD PRACTICUM (1)
This practicum provides the student with an opportunity to tie concepts of teaching students from birth to age eight to actual field experience in early childhood settings. A minimum of thirty hours of classroom time will be spent in settings which differ from any previous practicums.

EDEL – EDUCATION, ELEMENTARY

EDEL 1410 - MATH FOR ELEM SCHL TEACHERS I (1)
This course covers selection of basic mathematics concepts, materials, and curricula appropriate for elementary schools. This course parallels the content of MATH 1100 and should be taken during the same semester. Experiences in assigned mentor teacher classrooms are required.
Corequisite: MATH 1100.

EDEL 1430 - LIFE SCIENCE IN THE ELEM SCHOOL (1)
Intended for elementary education majors, this course is the application component of BIOL 1003 and BIOL 1010. The course covers basic life science concepts of the fundamental principles of biology, materials, and curricula appropriate for elementary school students, with an emphasis on teaching critical thinking and problem-solving application skills.
Prerequisite: BIOL 1003 or BIOL 1010 (may be taken concurrently).
EDEL 2410 - MATH FOR ELEM SCHL TEACHERS II (1)
This course covers selection of basic mathematics concepts, materials and curricula appropriate for elementary schools. This course parallels the content of MATH 2120 and concurrent enrollment in MATH 2120 is expected.
Prerequisite: MATH 1105 (C or better). Corequisite: MATH 2120.

EDEX – EDUCATION, EXCEPTIONAL CHILD
EDEX 2190 - THE GIFTED STUDENT (1)
Students will demonstrate knowledge and understanding of the characteristics, identification, and unique needs of gifted and talented learners. Appropriate curriculum and instruction will be explored with special emphasis placed on effective instructional methods for teaching gifted and talented learners in the regular classroom.
Prerequisite: EDCI 1000 or other introductory education course or Instructor Permission.

EDEX 2484 - INTRODUCTION TO SPECIAL EDUCATION (3)
This course is designed to meet the needs of education majors for a required course in Special Education. Broad areas to be addressed include major trends and issues in special education, the unique educational and life needs of children with disabilities, and the roles of general and special class teachers, family, and the community in serving these children. Students will also focus on collaboration with other professionals and inclusion of students with disabilities in the general classroom as a basis for providing for student classroom success by implementing interventions and adaptations.
Prerequisite: EDCI 1000 or other introductory education course or Instructor Permission.

EDFD – EDUCATION, FOUNDATIONS
EDFD 1010 - FIELD EXPERIENCE (2)
This is an introductory course that provides an opportunity for students considering a profession in education to observe and reflect upon some basic activities in teaching from the perspective of teacher rather than student. An initial practicum in various level classrooms in included.
Prerequisite: EDCI 1000 (C or better) Visits to educational settings included.

EDFD 2020 - FOUNDATIONS OF EDUCATION (3)
This course is designed to acquaint the student with a survey of educational thought and practice in the United States. An understanding of the history and philosophy of instruction and the laws and court cases that affect it helps lay a foundation for analyzing contemporary problems in education. Governance, finance and the role of personal educational philosophy are included.
Prerequisite: EDFD 1010 (C or better). Corequisite: EDUC 2100.

EDFD 2100 - EDUCATIONAL PSYCHOLOGY (3)
Students will demonstrate knowledge and understanding of psychological concepts, principles, and research relevant to teaching and learning with emphasis on the school setting.
Prerequisite: EDFD 2020 (C or better), EDUC 2100 (C or better), and PSYC 1000. Corequisite: EDUC 2110.

EDFD 2451 - LIFE SPAN: ADULTHOOD (1)
This course offers a psychosocial overview of human change following adolescence to old age. To understand how and why people function as they do. Physical, cognitive, social and emotional aspects of how goals, interests and roles in life change over this span of life will be examined.

EDUC – EDUCATION, GENERAL
EDUC 1040 - ESSENTIAL SKILLS FOR THE CLASSROOM (1)
This course will teach skills to create a classroom that stimulates responsible behavior and high levels of academic achievement. Techniques reviewed will be preventing misbehavior and increase time on tasks, avoiding power struggles while setting limits, teaching character through the application of logical sequences, and developing cooperative relationships with teacher and parents. Students will also experiment with preserving the learning environment when one or more students become disruptive and unresponsive to preventative discipline. Offered at Outreach Only.

EDUC 1520 - SUBSTITUTE TEACHER TRAINING (2)
This course provides the training needed for the Wyoming Professional Teaching Standards Board Classroom Substitute Permit and is for those who do not have the Substitute Teacher Permit. Students will work to demonstrate competence in age level communication skills, use and application of lesson plans, use of instructional technology and professional attitudes and behaviors. Upon completion of this class students must make application to the WPTSB for the permit. Note: In order to qualify for a Classroom Substitute Permit, students must complete 10 hours of classroom observation in each level in which they wish to serve as a classroom substitute. (Elementary, junior high/middle school, high school). These observations will not be part of this class. Students will need to arrange the observations with their school districts.
Prerequisite: High School Diploma or GED Certificate.

EDUC 2100 - PRACTICUM IN TEACHING I (1)
Students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a classroom teacher. This practicum, taken concurrently with Foundations of Education, provides an opportunity to tie course concepts to actual field experience. A minimum of thirty hours of classroom time will be spent in a classroom at the teaching level being considered by the student.
Prerequisite: EDFD 1010. Corequisite: EDFD 2020.

EDUC 2110 - PRACTICUM IN TEACHING II (1)
Students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a classroom teacher. This practicum, taken concurrently with Educational Psychology, provides an opportunity for the student to tie course concepts to actual field experience. A minimum of thirty hours of classroom time will be spent in a different classroom level and style than Practicum in Teaching I.
Prerequisite: EDUC 2100 (C or better), EDFD 2020 (C or better), and PSYC 1000. Minimum Classroom Practice of 30 hours. Corequisite: EDFD 2100.
EDUC 2800 - EDUCATION CAPSTONE (2)
This course is a capstone course for students working towards an A.A. or A.S. degree with a major in Education. This course requires the student to demonstrate the integration and synthesis of competencies in a variety of domains required as part of the WWCC Education Program. Students will complete culminating projects both individually and collaboratively to convey mastery of the course outcomes. This course does not fulfill the WWCC Assessment Requirement for Graduation.
Prerequisite: Take EDFD 2100 and EDUC 2110 or EDEC 1025 May be taken concurrently.

ELAP - ELECTRICAL APPRENTICESHIP
ELAP 1515 - ELECTRICAL APPRENTICESHIP I (3)
This course is designed to provide the beginning electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, introduction to the National Electrical Code, basic electrical theory, lighting and appliance circuits and wiring methods.
Prerequisite: ELAP 1515 or Instructor Permission.

ELAP 1525 - ELECTRICAL APPRENTICESHIP II (3)
This course is designed to provide the first year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include series/parallel circuits, electric power, electrical theorems, special outlets, service calculations and applications of the National Electrical Code.
Prerequisite: ELAP 1515 or Instructor Permission.

ELAP 1535 - ELECTRICAL APPRENTICESHIP III (3)
This course is designed to provide the second year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, AC electricity, inductance, capacitance, transformers, motors and application of the National Electrical Code.
Prerequisite: ELAP 1525 or Instructor Permission.

ELAP 1545 - ELECTRICAL APPRENTICESHIP IV (3)
This course is designed to provide the second year apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include wiring methods, branch and feeder circuits, motor calculations, transformer sizing and applications of the National Electrical Code.
Prerequisite: ELAP 1535 or Instructor Permission.

ELAP 1555 - ELECTRICAL APPRENTICESHIP V (3)
This course is designed to provide the third year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include industrial and commercial services, alarm systems, hazardous locations and application on the National Electrical Code.
Prerequisite: ELAP 1545 or Instructor Permission.

ELAP 1565 - ELECTRICAL APPRENTICESHIP VI (3)
This course is designed to provide the third year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include industrial and commercial services, alarm systems, hazardous locations and application on the National Electrical Code.
Prerequisite: ELAP 1555 or Instructor Permission.

ELAP 1575 - ELECTRICAL APPRENTICESHIP VII (3)
This course is designed to provide the fourth year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, motor controls, power distribution, solid state controls and programmable controllers.
Prerequisite: ELAP 1565 or Instructor Permission.

ELAP 1585 - ELECTRICAL APPRENTICESHIP VIII (3)
This course is designed to provide the fourth year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include advanced motor controls, branch and feeder circuits, service entrance and grounding calculations based on the National Electrical Code and review for the state exam.
Prerequisite: ELAP 1575 or Instructor Permission.

ELTR - ELECTRICAL TECHNOLOGY
ELTR 1030 - PROGRAMMABLE LOGIC CONTROLLER FOR INDUSTRY: (1-3)
This course is designed to help students learn to use the vendor software to communicate with, program, and troubleshoot the programmable logic controller covered in this course. The course will also cover the command structure and functions in building programs to run on the programmable logic controller. Other topics will include establishing communication links, uploading and downloading programs using the personal computer, addressing I/O, program monitoring and program documentation.

ELTR 1035 - PROCESS CONTROL TECHNIQUES: (1-3)
This course is designed to teach students the basic techniques necessary to evaluate process control loop operation and make changes to controller settings to achieve an acceptable loop response. Students will be working with functioning process loops using industrial control components such as digital controllers, smart transmitters, and control valve/positioner final control elements. Techniques for setting up and calibrating components will be utilized. Tuning results will be documented with strip chart recordings of the process response.

ELTR 1501 - ELECTRICAL SAFETY AWARENESS I (1)
This course will provide an introduction to electrical safety awareness in various industries. Curriculum will be based on industry needs such as public safety, emergency preparedness, and worker protection. Students will also be introduced to using the National Electrical Code Book.

ELTR 1505 - ELECTRICAL ASSEMBLY & MEASURE (3)
This course is offered as both a day or evening class, and students employed in shift-work may attend either session. Topics of study include electrical safety, conductors, grounding, soldering, methods of securing electrical connections, fabrication of printed circuit boards, component replacement, common electrical schematic symbols, and use of common electrical test equipment and electrical hand tools. The student will demonstrate the ability to solder, make electrical connections, and safely use various types of measurement equipment upon completion of this course.
ELTR 1520 - BASIC ELECTRICITY, DC (3)
This course is offered as both a day and evening course, and students employed in shift-work may attend either session. The student will develop electrical safety and good shop practice skills. Topics of study include DC electricity theory, units of electricity, Ohm's Law, Kirchhoff's Laws, power, resistance, series-parallel circuits, electrical math and the use of formulas, and the use of basic meters. The student must demonstrate the ability to troubleshoot a complex DC series-parallel circuit upon completion of this course.
Prerequisite: TECH 1000, MATH 0920, ELTR 1505 or Instructor Permission.

ELTR 1521 - BASIC ELECTRICITY, DC - INDUSTRY (1)
The student will develop electrical safety and good shop practice skills. Topics of study include DC electricity theory, units of electricity, Ohm's Law, Kirchhoff's Laws, power, resistance, series-parallel circuits, electrical math and the use of formulas, and the use of basic meters. The student must demonstrate the ability to troubleshoot a complex DC series-parallel circuit upon completion of this course.

ELTR 1530 - BASIC ELECTRICITY, AC (3)
This course is offered as both a day and evening course, and students employed in shift-work may attend either session. Topics of study include AC electricity theory, magnetism, inductance, capacitance, reactance, impedance, resonance, AC series-parallel circuits, electrical math and the use of formulas, and the use of the oscilloscope and AC test equipment. The student must demonstrate the ability to troubleshoot a complex AC series-parallel circuit upon completion of this course.
Prerequisite: Take ELTR 1520 or instructors permission.

ELTR 1531 - BASIC ELECTRICITY, AC - INDUSTRY (1)
Topics of study include AC electricity theory, magnetism, inductance, capacitance, reactance, impedance, resonance, AC series-parallel circuits, electrical math and the use of formulas, and the use of the oscilloscope and AC test equipment. The student must demonstrate the ability to troubleshoot a complex AC series-parallel circuit upon completion of this course.

ELTR 1681 - ELECTRICAL PRINT READING FOR INDUSTRY (0.5)
This course is designed to instruct students on the reading and interpretation of electrical shop drawings as well as the symbols used in these types of blueprints. Topics may include an introduction to electrical schematics and symbols; guidelines for reading electrical schematics, symbols, and diagrams; and logic applied to electrical line diagrams.

ELTR 1700 - INTRODUCTION TO SOLID STATE ELECTRONICS (4)
This self-paced course is offered all semesters as both a day and evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of semiconductors, methods of testing diodes and bipolar transistors power supplies and basic amplifiers. The student must demonstrate the ability to properly connect and troubleshoot basic solid state power supplies and amplifiers upon completion of this course.
Prerequisite: ELTR 1530 or Instructor Permission.

ELTR 1701 - SOLID STATE ELECTRONICS FOR INDUSTRY (1)
Topics of study include safety, principles of semiconductors, methods of testing diodes and transistors, power supplies and basic transistor amplifiers.
Prerequisite: ELTR 1530, ELTR 1531, or currently enrolled, or Instructor Permission.

ELTR 1703 - VARIABLE FREQUENCY DRIVES, FOR INDUSTRY (1)
This lecture and hands-on course is designed to introduce technicians, operators, and mechanics to common installation, operation and troubleshooting practices typical of variable frequency drives. VFD operation principles, system descriptions, operation and available power ratings will be presented. An overview of electrical blue prints and solid state electronics, will be presented. This course can be used as the industry training part of the electrical recertification.

ELTR 1760 - INTRO TO DIGITAL ELECTRONICS (4)
This self-paced course is offered spring semesters as both a day and evening class and students employed in shift-work may attend either session. Topics of study include safety, principles of digital circuits, logic gates, counting circuits, registers, and A/D converters. The student must demonstrate the ability to properly connect and troubleshoot a basic logic control system upon completion of this course.
Prerequisite: ELTR 1700 or Instructor Permission.

ELTR 1840 - INSTRUMENTATION I (3)
This self-paced course is offered as both a day and evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of control systems, methods of measurement and control elements. The course covers various instrumentation methods to measure flow, temperature level, and pressure. The student must demonstrate the ability to properly connect and troubleshoot a basic instrumentation system upon completion of this course.
Prerequisite: TECH 1000 or MATH 0920 or Instructor Permission.

ELTR 1841 - INSTRUMENTATION I FOR INDUSTRY (2.5)
This condensed course will introduce the student to basic principles of control systems and provide a basic and functional knowledge of typical instrumentation involved in process control. Topics of study include safety, methods of measurement, and control elements. The course covers various instrumentation methods to measure temperature, pressure, level, and flow.

ELTR 1850 - INSTRUMENTATION-OIL & GAS PRODUCTION (3)
This course will familiarize the student with operation and maintenance of instrumentation used for process control at a typical oil and natural gas well site. Topics of study include safety, methods of measuring and controlling flow, temperature, level, and pressure. The student will be required to demonstrate the ability to identify and solve basic problems relative to well site instrumentation upon completion of this course.
Prerequisite: TECH 1000, or MATH 0920, or Instructor Permission.
ELTR 2620 - CONTROL SYST COMMUNICATIONS (3)
This course is a practical study of the theory, setup and operation of communication equipment used in control systems. The course includes lecture to describe commonly used communication hardware and protocols and laboratory work to configure the communication methods. The student must demonstrate the ability to describe these topics and to successfully configure various communication scenarios in the lab.
Prerequisite: ELTR 2815 or Instructor Permission.

ELTR 2815 - PROG LOGIC CONTROLLERS (3)
This course is designed to provide the students with a theoretical, yet practical, look at PLC's and their associated devices and systems. Topics of study include safety, schematic and ladder diagrams, programmable logical controller applications, programming and operation. The student must demonstrate the ability to connect and troubleshoot practical industrial control circuits and basic programming of PLC's upon completion of this course.
Prerequisite: ELTR 2840 and 2885, or Instructor Permission.

ELTR 2820 - POWER DISTRIBUTION (3)
This course is a practical study of theory, operation, and service of power distribution systems. Coursework will provide training in DC and AC (both single phase and 3 phase) power systems. Students will study power distribution fundamentals, equipment, and maintenance of these systems.
Prerequisite: ELTR 1530, ELTR 2840, or Instructor Permission.

ELTR 2821 - POWER DISTRIBUTION FOR INDUSTRY (1)
This course is intended for the Electrical Technology student. Instruction provides training in the performance of tasks related to high voltage industrial power distribution and control systems. This course is approved for S/U grading.

ELTR 2825 - INSTRNL ELECT TROUBLESHOOTING (3)
This course is designed to enhance skills to troubleshoot electrical equipment in the industrial setting. Topics of study may include troubleshooting techniques for Instrumentation and Process Control systems; Motor Controls, and PLC/DCS (analog and digital) systems; and Motors Transformers, Branch and Feeder Circuits (480V to 34.5KV). This course is intended to build on previous study in these topics and to enhance their skills so that system failures can be analyzed and corrected efficiently.
Prerequisite: ELTR 1840, ELTR 2815 and ELTR 2820 or Instructor Permission.

ELTR 2840 - MOTOR CONTROLS (3)
This self-paced course is offered both as a day and evening class, and students employed in shift-work may attend either session. Topics of study includes safety, schematic and ladder diagrams, contactors, interlocks, manual and automatic starts, alarm and indicator circuits and programmable logic controller applications. The student must demonstrate the ability to connect and troubleshoot motor control circuits.
Prerequisite: ELTR 1520 or Instructor Permission.

ELTR 2841 - MOTOR CONTROLS, FOR INDUSTRY (2)
This course is designed to instruct students on electrical, motor, and mechanical devices used in industrial control circuits. Topics of study include safety, contactors, interlocks, manual and automatic starts, alarm and indicator circuits. The student must demonstrate the ability to connect and troubleshoot motor control circuits upon completion of this course.

ELTR 2844 - REMOTE TERMINAL UNIT PROG (3)
This course will teach the methodology for programming the various IEC-61131 languages. The course will include classroom lecture that will be reinforced with lab work using industry standard software and hardware. Topics of learning may include safety, establishing communication between a PC and a controller, database creation, I/O selection and configuration, MODBUS addressing, and the IEC-61131 programming languages: 1) ladder logic, 2) function block diagrams, 3) structured text and 4) sequential function charts. The student must demonstrate the ability to connect to, program and troubleshoot a controller.
Prerequisite: ELTR 1520 and ELTR 2885, or Instructor Permission.

ELTR 2846 - HUMAN MACHINE INTERFACE PROG (3)
This course will teach the methodology for programming human machine interfaces (HMI's). The course will include classroom lecture that will be reinforced with lab work using industry standard hardware and software. Topics learning may include safety, HMI communication to a controller, database creation, window creation using programming objects, parameter files, animation and alarming. The student must demonstrate the ability to connect an HMI to a controller, create an HMI project and troubleshoot an HMI.
Prerequisite: ELTR 2815 or Instructor Permission.

ELTR 2855 - ADV PROG LOGICAL CONTROLLERS (3)
This course is a continuation of ELTR 2815 (Programmable Logic Controllers) in the study of PLC's. This course focuses on the techniques and laboratory practice for programming and troubleshooting PLC's and their incorporation in industrial control circuits. Topics of study include safety, schematic and ladder diagrams, as well as programmable logic controller applications, programming, operation, and graphic user interface programs. The student must demonstrate the ability to program, connect, and troubleshoot practical industrial control circuits utilizing PLC's and personal computers.
Prerequisite: ELTR 2815 or Instructor Permission.

ELTR 2885 - INSTRUMENTATION II (3)
A continuation of ELTR 1840 (Instrumentation I) in the study of instrumentation techniques. This course focuses on the techniques and laboratory practice for adjustment, calibration, and testing of instrumentation components and control loops.
Prerequisite: ELTR 1840, or ELTR 1841, or Instructor Permission.

EMGT - EMERGENCY MANAGEMENT
EMGT 1500 - PRINCIPLES OF EMERGENCY MANAGEMENT (3)
This course introduces the student to the field of Emergency Management. Students will learn methods emergency managers can use to identify hazards, as well as to coordinate disaster planning and response within any jurisdiction.
EMGT 1530 - EMERGENCY PLANNING FOR DISASTER (3)
Students in this course will develop an emergency operations plan. They will use team approaches to create an effective, up-to-date emergency plan that meets local, state, and federal requirements when it comes to disasters, whether weather, natural, or manmade emergencies.

EMGT 1630 - EMERGENCY OPERATIONS CENTER (3)
Students will gain the knowledge and skills necessary to find a safe location for, design, activate, and operate an Emergency Operations Center (EOC). Students will also study the functions of the EOC and preparing officials for their roles and purpose in an EOC environment.

EMGT 1650 - EMERGENCY RESOURCE MANAGEMENT (3)
This course provides students with the knowledge and skills required to effectively identify, develop, and manage a resource management system.

EMGT 2610 - DISASTER EXERCISE DESIGN & EVALUATION (3)
This course will introduce students to the fundamentals of exercise design and evaluation. Students will learn to identify the need for a small functional exercise, how to design and conduct an exercise, and how to evaluate an exercise for the government and the private sector.

EMGT 2640 - DISASTER RESOURCE & RECOVERY OPERATIONS (3)
Students of this course will be introduced to basic concepts and operations of a disaster environment, especially in terms of major disaster incidents. Students will also learn to broaden and enhance their understanding of state and local roles, their responsibilities, and their importance to overall response and recovery efforts. The course will also address the coordination and problem-solving aspects of disaster operations.

ENGL - ENGLISH

ENGL 0950 - BASIC ENGLISH I (3)
This beginning writing course helps students create complete and interesting paragraphs with topic sentences, supporting details, correct grammar, punctuation, and usage. Students will also study grammar and sentence skills.
Prerequisite: English Placement Exam score of 38 or lower.

ENGL 0955 - BASIC ENGLISH II (3)
This course prepares students for writing in college-level courses. The course emphasizes the writing of clearly organized, well-developed five-paragraph essays with as few grammar, spelling, and/or punctuation errors as possible.
Prerequisite: English Placement Exam score of 39-74 or ENGL 0950.

ENGL 1010 - ENGLISH COMPOSITION I (3)
This freshman English course is designed to develop writing skills. The course has two objectives: for students to understand the various stages of the writing process, such as pre-writing, revising, and proofreading and for students to write clear, well-ordered essays.
Prerequisite: English Placement Exam, ACT Score of 21 or higher.

ENGL 1020 - ENGLISH COMPOSITION II (3)
A continuation of English I, this course emphasizes writing, research, and analytical reading.
Prerequisite: ENGL 1010.

ENGL 1111 - ADVANCED COMPOSITION (3)
A course intended to increase the students' skill in expository writing through practice in writing and analysis of examples of successful writing. Particular emphasis is placed on organization and on clarity and persuasiveness.
Prerequisite: ENGL 1010.

ENGL 2010 - TECHNICAL WRITING (3)
This course emphasizes professional writing and research that students can expect to use in science, business, industry and/or government. Examples include memos, letters, instructions, proposals, resumes, and reports. Students will learn how to write clearly and concisely, how to shape a message for a particular audience, how to design a document, and how to create visuals.
Prerequisite: ENGL 1010.

ENGL 2040 - CREATIVE WRITING: (3)
This course is intended for writers who want to learn to write and improve their journaling, performance poetry, short fiction, creative non-fiction genres of creative writing, and other genres of creative writing. The specific topic will vary each semester. The course has two main objectives: 1) To assist writers in drafting work of artistic intention and merit, and 2) To further develop each author's abilities as a reader, audience member, and critic of serious contemporary creative work.

ENGL 2050 - CREATIVE WRITING: PROSE I (3)
An introductory course in creative prose writing. An analysis of the forms of fiction and the practice of creative writing at the introductory level.

ENGL 2060 - CREATIVE WRITING: PROSE II (3)
Further study in introductory prose fiction, including round table discussion of the elements of the genre, the sharing of students’ works and submission of finished works.

ENGL 2064 - CREATIVE WRITING: JOURNALING (3)
This English course is designed to develop journal writing skills. The course has two overall objectives: (1) for students to understand and write various styles of journals, and (2) for students to submit a portfolio with a reflective paper and completed individual journals consisting of one or more styles of journals.

ENGL 2065 - CREATIVE WRITING: MEMOIR WRITING (3)
Participants will write stories based on their own experiences and observations. We will practice the process of writing, from idea-gathering exercises designed to give participants strategies to begin writing their own stories, to drafting and presenting these rough drafts to the other class members for feedback and revision.

ENGL 2080 - CREATIVE WRITING: POETRY I (3)
An introductory course in creative poetry writing. An analysis of the forms of poetry and the practice of creative writing at an introductory level.
ENGL 2090 - CREATIVE WRITING: POETRY II (3)
Further study in introductory poetry writing, including round table discussion of the elements of the genre, the sharing of students' works and submission of finished works.
Prerequisite: ENGL 2080.

ENGL 2091 - CREATIVE WRITING: PUBLISHING YOUR WORK (1)
This course will provide students with tools and techniques for pursuing publication of their creative work. Students will learn how to conduct market research using online resources, prepare manuscripts for publication, write query letters and cover letters, establish a record-keeping system, and submit their work for publication to journals and magazines (both online and print) and to book publishers.

ENGL 2140 - WORLD LITERATURE I (3)
Ancient through Medieval: Reading and study of major works that are representative of significant periods or literary forms in the history of literature from Homer through the medieval period.
Prerequisite: ENGL 1010.

ENGL 2150 - WORLD LITERATURE II (3)
Renaissance through 19th Century: Continuation of ENGL 2140.
Prerequisite: ENGL 1010.

ENGL 2250 - WOMEN IN LITERATURE (3)
This literature course will explore texts by and about women. These texts will come from various eras; they will primarily be fiction, literary nonfiction, and poetry, but other genres may be included as well.

ENGL 2310 - AMERICAN LITERATURE I (3)
A study of the literature of the early American settlers, of wilderness trials, of the Indian wars, and secret diaries. The course also covers the American Age of Reason and the Revolutionary War including Thomas Paine, Benjamin Franklin, and Thomas Jefferson. It concludes with the American Romantic Era with Thoreau’s “Walden Pond”, the philosophical essays of Emerson, the stories of Hawthorne, Melville and Poe and the poetry of Whitman and Dickinson.

ENGL 2320 - AMERICAN LITERATURE II (3)
Beginning with the works of Mark Twain, the literature of this course covers the influence of Darwinism, America’s shifting from a nation of farmers to a nation of factory works, the disillusionment after WWI, the frantic values of the Roaring Twenties, the intellectual struggles of the Great Depression, and the efforts to define a modern literature.

ENGL 2340 - NATIVE AMERICAN LITERATURE (3)
A study of the literatures of American Indian peoples, including legends from the oral traditions, songs, poetry, stories, and novels. A selection of literature from various times will be read, ranging from early legends to modern novels written by such Native American writers as Momaday, Silko, Welch and Erdrich.

ENGL 2370 - WESTERN AMERICAN LITERATURE (3)
This course introduces the best of Western literature. The works chosen for study depict the western experiences from a variety of perspectives. Students will consider each work’s literary merit, historical reliability and Western themes. Students will discuss the role Western literature has played in creating stereotypes about the West and how those stereotypes have affected the development of American literature and culture.

ENGL 2390 - LITERATURE OF WYOMING (3)
This course proceeds from the premise that examining texts about and from a place, in this case the state of Wyoming, can yield valuable insights to learners and forms a compelling basis for literary study. This course examines literary texts and films that feature Wyoming as subject, and/or texts written by writers from or living in Wyoming. The course seeks to examine ways in which the following themes or ideas are presented: the myth and the mythic, common traits, boom and bust cycles, new and old west, archetypes, regionalism, and revisionism in books and movies.
Prerequisite: Take ENGL 1010.

ENGL 2420 - LITERARY GENRES: (3)
This course offers a study of recognized texts of specific literary genres in order to acquaint students with salient authors, themes and historical characteristics of the genre. This course includes reading and discussion of texts, as well as the writing of analytical, critical, research-based and/or modeled essays.
Prerequisite: ENGL 1010, may be taken concurrently.

ENGL 2470 - FILM APPRECIATION (3)
A study of the literature of film, its narrative, visual and technical components, with particular attention to selected feature length films of recognized directors.

ES - ENGINEERING SCIENCE

ES 1000 - ORIENTATION TO ENGINEERING STUDY (1)
This course is an introduction to the various fields of engineering through on-site discussions with working engineers. A three-day field experience is documented by individual lab work culminating in production of a class journal. Approved S/U credit for graduation.

ES 1060 - INTRO TO ENGINEERING COMPUTING (3)
Computational hardware, software and methods will be presented to solve engineering problems and present technical data and reports. Familiarity with various popular computer programs used throughout engineering and science curricula will be gained. Solution equation, engineering documentation, data presentation, graphics and manipulation of tabular spreadsheet data will be covered.
Prerequisite: MATH 1400.

ES 1070 - SOLID MODELING I (3)
This course will provide an introduction to solid modeling concepts, focusing on the construction of virtual parts. The course will be taught as a combination of both lectures to introduce a concept and labs to allow the application and practice of the concepts. Familiarity with dimensions, drafting, and working drawings is recommended.

ES 1080 - SOLID MODELING II (3)
This course will provide further study into solid modeling concepts, focusing on the construction of virtual parts. Many of the skills learned in Solid Modeling I will be further developed using advanced techniques. The course will be taught as a combination of both lectures to introduce a concept and labs to allow the application and practice of the concepts. Familiarity with dimensions, drafting, and working drawings is recommended.
Prerequisite: ES 1070 or Instructor Permission.
ES 2110 - STATICS (4)
A course in the problems and vector analysis of forces on particles and rigid bodies in equilibrium. Topics included are forces, movements, couples, centroids, moments of inertia, distribution forces and friction.
Prerequisite: Take MATH 2205 (may be taken concurrently), PHYS 1310, or Instructor Permission. Corequisite: ES 2111.

ES 2111 - STATICS LAB (0)
Corequisite: ES 2110.

ES 2120 - DYNAMICS (4)
Vector dynamics of particles and rigid bodies, including rectilinear and curvilinear motion, Newton's laws of motion, impulse-momentum, and work-energy methods.
Prerequisite: ES 2110, PHYS 1310, MATH 2205 or Instructor Permission. Corequisite: ES 2121.

ES 2121 - DYNAMICS LAB (0)
Corequisite: ES 2120.

ES 2211 - ELECTRIC CIRCUIT THEORY (4)
This course will begin the study of linear circuit analysis, including resistor, capacitor, and inductor elements in circuits with both constant voltage and current sources, as well as sinusoidal sources. The student will study several techniques for circuit analysis and the descriptions of power and energy in electrical circuits.
Prerequisite: MATH 2205, may be taken concurrently. Corequisite: MATH 2205.

ES 2230 - COMPUTER AIDED DRAFTING (3)
An introduction to computer-aided drafting and design techniques, this course familiarizes the student with both hardware and software by using AutoCAD. A variety of design systems are explored and implemented. Prerequisites: Some drafting experience or Instructor Permission.
Prerequisite: Some drafting experience or Instructor Permission.

ES 2240 - ADVANCED COMPUTER AIDED DRAFTING (3)
An advanced course that focuses on the functions and command required to operate AutoCAD, such as symbol libraries, isometrics, autolisp, 3D, screen and tablet menus, slides and icon menus.
Prerequisite: ES 2230.

ES 2410 - MECHANICS OF MATERIALS I (3)
Analysis and design of deformable bodies subjected to loads, including energy methods.
Prerequisite: ES 2110 or Instructor Permission.

FIN - FINANCE
FIN 1000 - PERSONAL FINANCE (3)
This course addresses the fundamentals of personal financial planning. Topics will include personal budgeting, retirement planning, investment strategies, personal financial assessment, insurance, tax planning and estate planning.

FIN 2100 - MANAGERIAL FINANCE (3)
This course deals with management of capital in a business firm. It treats policies and actions relating to asset structure, risk, income and cash flows. Operating and financial analysis is introduced.
Prerequisite: ACCT 2010 and STAT 2050.

FREN - FRENCH
FREN 1010 - FIRST YEAR FRENCH I (4)
This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. NOTE: A student who has completed two or more years of high school French with a "B" or better should not enroll in this beginning class.

FREN 1020 - FIRST YEAR FRENCH II (4)
This course offers the fundamentals of grammar, composition, conversation and reading.
Prerequisite: FREN 1010 or successful completion of two years of high school French or the equivalent.

GEOL - GEOLOGY
GEOL 1100 - PHYSICAL GEOLOGY (4)
Designed to acquaint the student with earth materials and processes including formation of minerals, rocks, mountains, glaciers and various landscapes, as well as erosional problems, continental drift, earthquakes, and geology of the nearest plants. Laboratory includes rocks and mineral identification, map use and interpretation.
Corequisite: GEOL 1101.

GEOL 1101 - PHYSICAL GEOLOGY LAB (0)
Corequisite: GEOL 1100.

GEOL 1200 - HISTORICAL GEOLOGY (4)
This course deals with the concept of time and sequence of events forming the present crustal rocks and land surface. Origin and evolution of life as revealed through fossils and map interpretations. Field trips are included.
Prerequisite: GEOL 1100 or Instructor Permission. Corequisite: GEOL 1201.

GEOL 1201 - HISTORICAL GEOLOGY LAB (0)
Corequisite: GEOL 1200.

GEOL 2080 - GENERAL FIELD GEOLOGY (2)
Four field trips totalling 70 hours of direct field experience in geology will expose the students to the variety of geological processes and examples in western Wyoming. These include study of the rocks and landscapes of the Teton, Wind River and Uinta ranges and their formation, structural relations, erosion and glacial processes. The Green River Basin, its formation, sediments, trona, coal, oil and gas deposits and erosional history make up over half of the course. Some fossil collections may be made. Other field trips may substitute for one or more of those listed.
Prerequisite: Previous or concurrent enrollment in GEOL 1100, 120, 2150 or Instructor Permission.
GEOL 2150 - GEOMORPHOLOGY (4)
This course is a broad survey of landforms and the processes that modify them, encompassing space and time scales ranging from the instantaneous motion of sand in rivers during floods to the uplift of mountain ranges over millions of years. Studied in depth are the processes, effects, and results of streams, rivers, landslides, weathering, glaciers, deserts, shorelines, oceans, and volcanism. Students will develop critical thinking abilities and problem solving skills in weekly labs.
Prerequisite: GEOL 1100 or Instructor Permission. Corequisite: GEOL 2151.

GEOL 2151 - GEOMORPHOLOGY LAB (0)
Corequisite: GEOL 2150.

GERM 1010 - FIRST YEAR GERMAN I (4)
This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. NOTE: A student who has successfully completed two or more years of high school German with a "B" or better should not enroll in this beginning class.

GERM 1020 - FIRST YEAR GERMAN II (4)
This course continues the study of the fundamentals of grammar, composition, conversation and reading introduced on First Year German I.
Prerequisite: GERM 1010 or Instructor Permission.

GR - GEOGRAPHY & RECREATION
G&R 1000 - INTRODUCTION TO GEOGRAPHY (3)
An introduction to fundamental geographical concepts. Topics surveyed include the earth's physical processes, selected examples of differing cultural attitudes and perceptions of the environment, and the distribution, production and utilization of renewable and non-renewable resources.

G&R 1050 - INTRODUCTION TO NATURAL RESOURCES (3)
An introduction to man's role in environmental quality; provides a foundation for understanding environmental impact, the functioning of natural systems, the cycling of life's essential elements and the role of society and the individual in environmental management. An interdisciplinary course.

HIST - HISTORY
HIST 1110 - WESTERN CIVILIZATION I (3)
A survey of ideas and institutions of European civilization, from earliest times to about 1660. Topics include ancient Athens, Christian beginnings, medieval feudalism, Italian Renaissance and the religious Reformation. Can be used to fulfill Humanities requirement.

HIST 1120 - WESTERN CIVILIZATION II (3)
A survey of ideas and institutions of European civilization, from about 1660 to the present. Topics include the Baroque, Enlightenment, Revolutions (American, French, Industrial) and Contemporary civilizations. Can be used to fulfill Humanities requirement.

HIST 1121 - US HISTORY I: TO 1865 (3)
This course is a survey of United States history through 1865, with an emphasis on ideas and the development of institutions, and the role minorities and women played in the development of American society. Instruction in the provisions and principles of the United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming) will be the focus of this course.
Prerequisite: Compass Reading Score of 71 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1211 - US HISTORY II: FROM 1865 (3)
This course will focus on United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming). Instruction will be provided in the provisions and principles of the United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming).
Prerequisite: Compass Reading Score of 71 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1221 - US HISTORY II: FROM 1865 (3)
This course will focus on United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming). Instruction will be provided in the provisions and principles of the United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming).
Prerequisite: Compass Reading Score of 71 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1250 - WYOMING HISTORY (3)
This course is a survey of Wyoming history with an emphasis on ideas and the development of institutions, and the role minorities and women played in the development of the state. Instruction will be provided in the provisions and principles of the United States and Wyoming Constitutions. Focus will be on Wyoming history, culture, diversity, government, and Constitution (both U.S. and Wyoming).
Prerequisite: Compass Reading Score of 71 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1290 - HISTORY OF THE US WEST (3)
This course deals with the West in general with emphasis placed on the trans-Mississippi west. Particular attention will be paid to comparative frontiers, the influence of the frontier on the development of the American character, and to the post-frontier West.

HIST 1340 - SWEETWATER COUNTY HISTORY (2)
This course is designed to acquaint the student with the history of Sweetwater County using historic photographs, literature and oral interviews. The student will gain an understanding about this area's cultural diversity and development.

HIST 1360 - LIVING HISTORY (1-4)
Living history is designed to be a public education program. When a living history program is conducted properly, it is an education tool that teaches the public how historic events and activities shaped the past and influenced the future. To properly perform in a living historic program, the student must memorize and be familiar with certain aspects of history. This re-enactment course is designed to teach the student the proper techniques and methods used when employed as a living history guide at a state or national historic site.

HIST 1410 - INTRODUCTION TO AMERICAN ENVIRONMENTAL HISTORY (3)
This course is an interdisciplinary course that explores the ecological footprints of man in America, from pre-European contact to present day. The course introduces students to topics, such as environmentalism, ecology, conservation, preservation, and globalization. The course will also include discussions/debates on controversial environmental issues in America.
HIST 2060 - HOLOCAUST IN EUROPE, 33-45 (3)
This class will focus on the origins, events and consequences of one of the most defining periods of genocidal behavior - the Holocaust in Europe. This course will give the student an understanding of the perpetrators, victims and bystanders. This goal will be accomplished by studying eastern European history from January 1933 through May 1945.

HIST 2290 - HISTORY OF AMERICAN INDIANS (3)
The course is a survey of Native Americans in North America and their responses to the North American environment, European settlement, and later to American expansion. The purposes of the course is to acquaint the student with the native American world view and the dynamics of cultural contact. The student will come away with a better understanding of the cultural transformations native Americans have experienced and their impact on the literature and policy of the United States.

HIST 2310 - AMERICAN WOMEN'S HISTORY (3)
This lecture course is a survey class that discusses the historical contributions women have made in the development of the United States from the Paleo-Indian times to the present. In this course we will show the active roles women played in shaping the nation. Women's political, social, economic and intellectual contributions will be charted from the arrival of native Americans to the present. The course will also provide the student with a clear understanding of how women shaped America as active participants in the development of the United States.

HLED - HEALTH EDUCATION
HLED 1003 - WELLNESS (3)
"Wellness" does not simply mean the absence of disease. It is a term that defines the total person. This course will explore the mental, emotional, and physical health of the individual. This is a self-learning course that includes evaluating thoughts, feelings and attitudes as well as the physical health and well-being of each student. Students will learn various techniques in relaxation and stress management, strategies for disease prevention, current information on AIDS and AIDS prevention, and many useful tools for achieving optimal health and well-being.

HLED 1225 - FIRST AID AND CPR (2)
This course is designed to help train people in current first aid and cardiopulmonary resuscitation procedures. Issues of accident prevention, legal considerations, recognizing emergencies and victim assessment will provide the student with the necessary knowledge and skills to meet the demands of a real life emergency situation that maybe life threatening. Students will have the option of obtaining adult cardiopulmonary resuscitation and first aid certification.

HLTK - HEALTH SCIENCE GENERAL
HLTK 1200 - MEDICAL TERMINOLOGY (2)
In this course the student will familiarize himself with basic objectives to learn to divide medical words into component parts; learn basic combining forms; prefixes and suffixes of the medical language; and use these combining forms, prefixes and suffixes to build medical words.

HLTK 1501 - ADV CARDIAC LIFE SUPPORT PROVIDER CORE (0.5)
The ACLS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a patient, either in or out of a hospital setting. Students will practice essential skills both individually and as part of a team. An American Heart Association ACLS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1501 and HLTK 1502.
Prerequisite: Instructor Permission.

HLTK 1502 - ADV CARDIAC LIFE SUPPORT PROVIDER (1)
The ACLS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a patient, either in or out of a hospital setting. In addition to intense instruction of ECG Rhythms and ACLS pharmacology, students will practice essential skills both individually and as part of a team. An American Heart Association ACLS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1501 and HLTK 1502.
Prerequisite: Instructor Permission.

HLTK 1503 - PEDIATRIC ADV CARDIAC LIFE SUPPORT CORE (0.5)
The PALS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a Pediatric patient, either in or out of a hospital setting. Students will practice essential skills both individually and as part of a team. An American Heart Association PALS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1503 and HLTK 1504.
Prerequisite: Instructor Permission.

HLTK 1504 - PEDIATRIC ADV CARDIAC LIFE SUPPORT PRVD (1)
The PALS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a Pediatric patient, either in or out of a hospital setting. In addition to intense instruction of ECG Rhythms and PALS pharmacology, students will practice essential skills both individually and as part of a team. An American Heart Association PALS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1503 and HLTK 1504.
Prerequisite: Instructor Permission.

HLTK 1505 - PHTL: PRE-HOSPITAL TRAUMA LIFE SUPPORT (1)
The Pre-Hospital Trauma Life Support Course combines both basic and advanced trauma skills and concepts and is open to all pre-hospital health care providers (first responders, fire, police, search and rescue, EMTs, paramedics, nurses, physicians, and physician assistants) who will be involved in treating a trauma or multi-symptom patient. Some approaches taught will vary from traditional treatment modalities. Upon successful completion of the course, students will receive a PHTLS Card from the National Association of EMTs. A PHTLS Card will be issued to student who successfully complete the course with a B or better.

HLTK 1530 - INTRODUCTION TO PROBLEM BASED LEARNING (3)
This course gives the student the opportunity to learn using Problem Based Learning methodology. Students will develop skills in group learning, independent research, application of critical thinking skills, and self evaluation.
HLTK 1650 - ADVANCED CPR/AED FOR PROFESSIONALS (1)

This course builds upon the current Lay-Rescuer CPR certification, which includes Adult, Child and Infant. This course prepares you to fulfill the role as a professional rescuer. This Advanced CPR course is required for ALL Professional Rescuers AND Health Care Providers. Adult, Child and Infant skills will be reviewed and practiced. This course includes 2-man training, mask practice and the proper use of the BVM (Bag Valve Mask). The student will be able to pass ALL skills taught in the course in addition to a written exam. A CPR for the Professional Rescuer Certification Card will be issued upon successful completion of requirements according to the American Red Cross. A BLS-for Health Care Providers Card will be issued upon successful completion of requirements according to the American Heart Association. This course includes AED (Automated External Defibrillation) training and certification.

HLTK 1655 - INT TO ELECTROCARDIOGRAPHY (ECG) INTRPT (2)

This basic course is designed as an introduction to basic electrocardiography interpretations. To prepare providers, a competency based educational program of didactic and practical instruction in basic ECG interpretation was developed. This course prepares the student to recognize cardiac arrhythmias, and allows the student to begin to differentiate and interpret cardiac rhythms generated from various locations in the heart.

Prerequisite: Must be a practicing nurse, nurse student, EMT or Instructor Permission.

HLTK 1670 - BASIC EMERGENCY CARE (3)

This is an introductory course in emergency response. It is for individuals who are likely, in the course of their normal duties, to be the first individual on scene of an emergency. It is also for individuals who work with the fire department, ambulance, search and rescue or other public service which provides basic emergency medical care. The course will cover what should be done until the ambulance unit arrives and will include CPR, an overview of EMS, basic airway management, patient assessment, circulation and automatic defibrillation, illness and injury assessment and treatment, child birth and scene operations.

HMDV - HUMAN DEVELOPMENT

HMDV 0550 - U.S. CULTURE/COMMUNICATION (2)

This course serves as a bridge for students from the open-ended English Language classes, or international students just entering the US, to become acquainted with American college classes. International students will have the opportunity to learn from non-native English students that live here and discuss the challenges and rewards of living and learning in the US. Students will be required to speak only in English, and to continue to develop the communication skills of reading, writing, speaking, and listening that will aid in student success in academic college classes.

HMDV 1000 - COLLEGE STUDIES (2)

Students will learn methods to support their education and other areas of their life through the application of core life and academic skills to various content areas.

HMDV 1025 - INTRO TO ONLINE LEARNING (1)

This course will provide beginning instruction and hands-on practical experiences to accomplish an introductory review of online learning and the terminology involved. Students will practice using Internet browsers, e-mail, and file management; downloading programs and using all tools within the WWCC course Management System. Students will complete and submit assignments and tests online. Students will participate in a group discussion, know where to go for help, understand how to use blackboard and how to succeed online.

HMDV 1100 - SPEED READING (1)

Students learn to increase their pace of reading without sacrificing understanding. This course is designed for those students who already have good comprehension and vocabulary skills.

HMDV 1110 - COLLEGE VOCABULARY (1)

This course is recommended for students who have good reading skills and want to expand their knowledge of words.

HMDV 1270 - STRESS MANAGEMENT & REDUCTION (1)

The one credit class is designed to help students identify what stress is and how it impacts them emotionally and physically. Students will learn and utilize various relaxation skills as a means of effectively managing and/or reducing the negative impact of stress.

HMDV 1280 - EXPLORATIONS IN PERSONALITY (1)

This course offers students the ability to understand and explore personality differences by combining several methods of learning in a relaxed environment. Students will develop an understanding of their own personality and learn how to identify possible areas for personality growth within their life.

HMDV 1502 - ENGLISH AS A SECOND LANGUAGE (3)

This course emphasizes writing practice. One part of this course focuses on writing improvement through daily assignments, the development of the paragraph and essay, and the study of grammar. Students will also develop writing skills through listening to, sharing, and commenting on fellow students 146 paragraphs and essay(s) by the peer exchange or workshop method. The structure of the formal essay will be introduced. However, discussion, role play, viewing or reading media sources, field trip (for a descriptive paragraph), pronunciation, and other activities will also be used in order to use the full range of English skills.

HMDV 1503 - NON-NATIVE CONVERSATION (3)

This course is designed to provide non-native students with the opportunity to practice speaking and listening skills, and to develop fluency in English. Students who need to improve basic communication and practice speaking the English language will benefit from this course. Every activity in this course emphasizes listening and speaking English. Students are also prepared for the expectations of college courses.

HMDV 1515 - CAREER DEVELOPMENT (2)

This course is designed to help students navigate the career decision making process. Through the use of assessments, self-evaluation and discussions, students will explore their career interests and chart a career path for the future.
HMDV 2410 - ASSESSMENT PORTFOLIO (1)
This course will provide students with the opportunity to prepare a comprehensive portfolio which may help them transfer to another college or gain employment. In this course students will gather documentation of their abilities to demonstrate the WWCC Goals for Student Success.
Prerequisite: Completion of 45 credit hours towards graduation.

HMDV 2411 - ASSESSMENT REQUIREMENT (0)
This course indicates with a Satisfactory grade that the student has completed the WWCC Assessment Requirement. The assessment is completed as a part of an Academic Portfolio/ Capstone course.

HMDV 2475 - INTERNSHIP: TUTOR TRAINING (1)
This course introduces students to the issues, methodology and practice of tutoring adult learners. This course is required for employment as a tutor and is recommended for students in Education or Special Education.
Prerequisite: Instructor Permission. Contact the Peer Tutor Center.

HOEC - HOME ECONOMICS

HOEC 1140 - NUTRITION (3)
This course explores the relationship of food and nutrition in health maintenance and disease prevention. Topics include the basic nutrients, fitness and exercise needs, energy balance and weight control, dietary analysis, and personal application of nutrition concepts learned in the course.

HUMN - HUMANITIES

HUMN 1010 - INTRO TO HUMANITIES (3)
This Honors Colloquium is organized with a humanities focus but with a contemporary vision. The goal of the class is to model the intellectual life, not through reading and study only, but through participation in intellectual activities whenever they arise. The content will vary depending on community, state and world events. The class will attempt to make students aware that events around them are not isolated from their education, but are content and cause for dialogue. The class will be able to participate in a wide variety of intellectual opportunities: the symphony, plays, opera, ballet productions, art gallery shows, distinguished lecturers in humanities, science, politics, etc.
Prerequisite: Admission to the Honors Program.

HUMN 2486 - WESTERN AMERICAN STUDIES SEMINAR: (3)
The Western Studies Seminar is an interdisciplinary course that examines issues facing citizens of western states. Its goal is to prepare students to more fully understand the historical, economic, environmental and cultural forces that shape their lives.

IMGT - INFORMATION MANAGEMENT

IMGT 2400 - INTRODUCTION TO INFORMATION MANAGEMENT (3)
This is a rigorous course focused on the role of information systems in the management of organizations. The primary focus will be on making businesses more competitive and efficient. Specific topics include organizational and technical foundations of information systems and building and managing systems.
Prerequisite: COSC 1200 (or minimum score of 85% on the COSC 1200 Test-Out exam) or CMAP 1750 or Instructor Permission.

INDM - INDUSTRIAL MAINTENANCE

INDM 1510 - INDUSTRIAL MECHANICS I (3)
This self-paced course is offered in the fall semesters as both a day and evening class and those students employed in shift work may attend either session. The student will develop skills in the use of hand tools, pneumatic and electric power tools, and measuring tools such as calipers, micrometers and torque wrenches. The course will also cover resurfacing techniques such as grinding, honing and lapping. Basic terms of mechanics will also be covered along with maintenance practices such as work orders, lagging procedures and troubleshooting.

INDM 1520 - INDUSTRIAL MECHANICS II (3)
This self-paced course is offered in the fall semester as both a day and evening class and those students employed in shift work may attend either session. The course will cover basic and advanced rigging, forklift operation, components of bucket screw and flat belt conveyors and rolling and sliding bearings. Also covered will be terminology of bearings, types, fits, removal and installation and basic lubrication covering characteristics of oil, greases and synthetic lubricants.

INDM 1521 - BASIC BEARING AND LUBRICATION (1)
This course will cover basic and advanced rigging; conveyor components of bucket, screw and flat belt conveyors; rolling and sliding bearings; terminology, types, fits and removal and installation of bearings; and characteristics of oil, grease and synthetic lubricants.

INDM 1524 - LUBRICATION PRINCIPLES & ANALY (1)
This course will cover the basics of lubrication and how it is used in industry. The course will cover the types of oils and greases used and how to select them, how to determine the contamination rate and size allowable for a certain application. Students will determine the required viscosity of a lubricant that is used to lubricate bearings, gears, and hydraulic systems. The course will cover the pros and cons of synthetic lubricants, as well as failures related to lubrication in bearings and gears.

INDM 1525 - BASIC HYDRAULICS (1)
This course will cover the fundamentals of fluid power, hydraulic transmission of force and energy, operation at the suction side of the pump, petroleum base hydraulic fluids, fire resistant hydraulic fluids, flow rates and velocity, properties of hydraulic fluids, and an introduction to control valves. This class will also cover hydraulic symbols and prints used in industry.

INDM 1530 - INDUSTRIAL MECHANICS III (3)
The student will develop skills in the operation and repair of hydraulic, pneumatic, electrical, and manually operated brakes; coupling alignment with both dial indicator thickness gauges and laser alignment systems; and clutches.

INDM 1531 - BASIC ALIGNMENT (1)
This is a one credit course designed to give students the basic knowledge and understanding of couplings. This course will cover the theory of alignment and the pre-alignment check. The different types of alignment methods will be covered and the different types of couplings used, and how to install the different types.

INDM 1535 - ADVANCED HYDRAULICS (1)
Advanced Hydraulics is a continuation of Basic Hydraulics. Major topics of study include hydraulic actuators, control of hydraulic energy, check valves, accumulators and cylinders, flow control valves, and directional control valves.
Prerequisite: INDM 1525.
INDM 1540 - INDUSTRIAL MECHANICS IV (3)
This self-paced course is offered in the spring semester as both a day and evening class and those students employed in shift work may attend either session. Topics of study include installation and maintenance of v-belt drives, timing and flat belt drives, roller and silent chains, reciprocating, rotary screw and sliding vane air compressors, liquid ring and dynamic compressors, boiler maintenance and heat exchangers.

INDM 1541 - MECHANICAL DRIVES (1)
The students will develop skills in the installation and maintenance of v-belt drives, timing belts (positive drive belts), and flat belts used in power transmissions in local industry; the installation and maintenance of chain drives, both roller and silent chains, as well as gears and gear drives will be covered.

INDM 1542 - INDUSTRIAL PUMPS (1)
This course will cover Centrifugal and positive displacement pumps, such as piston, internal gear, external gear, vane, and rotary pumps; this course will cover the operation, repair and troubleshooting of most of the pumps used in local industry. The course will also cover packing and mechanical seals used in these pumps.

INDM 1550 - INDUSTRIAL MECHANICS V (3)
This course will cover centrifugal and positive displacement pumps, and troubleshooting and repair of end suction and split housing pumps used in all types of process industries. This course will also cover the sealing devices used to seal different types of pumps including packing and mechanical sealing devices. This course also covers piping and valves used in industry.

INDM 1555 - PREVENTIVE MAINTENANCE (3)
This self-paced course is offered in the spring semester as both a day and evening class and those students employed in shift work may attend either session. This course will cover how to administer a preventive maintenance program, computerized maintenance, non-destructive testing, preventive maintenance of mechanical drives and preventive maintenance of fluid drives.

INDM 1566 - VIBRATION ANALYSIS FOR INDUSTRY (1)
This course will introduce the student to basic machinery vibration, measurement, and analysis.

INDM 1567 - PRECISION MAINT BEST PRACTICES (0.5-3)
This course will cover the major areas related to current Best Practices/Precision Maintenance (BPM) in industrial maintenance. Topics may include measuring, principles of mechanical power transmission, mechanical fasteners, bearings, lubrication and oil analysis, belt drives, chain drives, gears, couplings, and vibration measurement.

INDM 1570 - IND HYDRAULICS I (FLUID POWER) (3)
Upon completion of Industrial Hydraulics I, the student should know the fundamentals of fluid power, such as force, resistance, energy, work power, pressure and torque; how force and energy are transmitted through a hydraulic system; what liquids are used in a system; how Pascal's Law relates to hydraulics, the mechanical multiplication through hydraulics and the use of intensifiers; how atmospheric pressure is measured and the difference between absolute and gauge pressure; what causes cavitation and indications of cavitation during repair; what effects vacuum has on pump operations and how to measure vacuum; how to install seals and hoses on the suction side of a pump and check for leaks; how to identify, install and maintain hydraulic actuators; how to size a hydraulic cylinder, and how to regulate the speed of a hydraulic cylinder.

INDM 1580 - INDUSTRIAL HYDRAULICS II (FLUID POWER) (3)
Upon completion of Industrial Hydraulics II, the student should be able to identify, install and repair all two, three and four-way directional control valves; to measure and fit a valve spool to a valve body; identify valve centering conditions, such as open center, closed center, tandem center and float center; install and set system pressure on pressure relief valves; install and set system pressure on pilot-operated pressure relief valves; disassemble and reassemble no less than gear pumps, one piston pump, and one vane motor; install and repair hydrostatic transmissions; build a hydraulic reservoir to meet MFPA requirements; mix fire resistant fluids used in unmanned hydraulic systems, such as a long wall system; and install and maintain a filtration system in most hydraulic systems.

Prerequisite: INDM 1570.

INDM 1585 - INDUSTRIAL HYDRAULICS III (3)
Upon completion of this course, the student should be able to analyze and troubleshoot a hydraulic circuit. Including linear power transmission, cylinders with no motion, cylinders in motion, regeneration, speed control for hydraulic cylinders and motors. Students will cover the power sources used in hydraulic systems. Students will be required to couple a hydraulic pump to an electric motor, test the pump and analyze the results.

Prerequisite: INDM 1580.

INDM 1590 - INDUSTRIAL PNEUMATICS (3)
This self-paced course is offered both semesters as both day and evening class and those students employed in shift work may attend either session. Major topics of study include energy transmission using a pneumatic system, the control of pneumatic energy, compressors, after coolers, dryers, receivers and air distribution systems. Also covered will be check valves, cylinders and motors, directional control valves, flow control valves, silencers and quick exhaust valves.

INDM 1595 - SPECIAL TOPICS IN IND MAINT: (0.5-3)
This variable credit course will provide an introduction to a variety of Industrial Maintenance areas. Specific subject matter will vary each semester, and may include topics such as rigging, thermography, oil analysis, or pneumatics.

ITEC - INSTRUCTIONAL TECHNOLOGY

ITEC 2360 - TEACHING WITH TECHNOLOGY (3)
Introduction to effective utilization of computers for instruction; software/hardware selection; presentation software; integrated applications; databases; spreadsheets; word processing as applied to all areas of education.

Prerequisite: EDCI 1000, or other introductory education course or Instructor Permission. Experience with computers recommended.

ITEC 2365 - TECHNOLOGY TOOLS FOR THE CLASSROOM (2)
In this hands-on course, students will explore a variety of technology tools for use in the P-16 classroom. The course will provide opportunities for students to apply new skills to their educational setting, and reflect upon integrating technology to engage all learners. Note: This course does not fulfill the WWCC computer requirement or transfer requirement for education majors completing a bachelor's degree at a university fulfilled by ITEC 2360.
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**LIBS - LIBRARY SCIENCE**  
**LIBS 2280 - LITERATURE FOR CHILDREN (3)**  
A survey course, the purpose of which is to prepare prospective elementary teachers and library-media generalists to provide knowledgeable service in the use of print and nonprint materials in the area of literature for children. This course includes study of evaluative criteria, wide reading, viewing and listening as well as discussion of literature for children in various formats.  
Prerequisite: ENGL 1010.

**MATH - MATHEMATICS**  
**MATH 0920 - BEGINNING ALGEBRA (4)**  
Introduction to elementary algebra with applications. Topics include operations with real numbers, operations involving algebraic expressions, factoring, exponents, polynomials, solving linear equations and graphs.  
Prerequisite: DVST 0900 or appropriate Math Placement Test score.

**MATH 0930 - INTERMEDIATE ALGEBRA (4)**  
Techniques of algebra with applications. Builds upon the concepts and skills developed in MATH 0920. Topics include an introduction to functions and relations, solving quadratic equations, rational expressions and equations, radical expressions and equations, solving inequalities, and graphing.  
Prerequisite: MATH 0920 (C or better) or appropriate Math Placement Test score, or Math ACT score of 21 or higher.

**MATH 1000 - PROBLEM SOLVING (3)**  
The course focuses on the methods, processes and strategies one uses to analyze, understand and solve mathematical problems. It aims to develop skills in sorting, organizing and assimilating information. The problems are of a variety of types and may include problems involving puzzles or patterns, word problems, algebra problems, counting and probability problems, problems dealing with geometry, and other mathematical problems. The use of the hand calculator is an essential part of the course. This course is not designed to prepare students for precalculus or for calculus. This course satisfies the University of Wyoming mathematics M-1 requirement.  
Prerequisite: MATH 0920 (C or better), or appropriate Math Placement Test score, or Math ACT score of 21 or higher, or TECH 1000 (C or better).

**MATH 1100 - NMBR & OPERTNS ELEM SCH TCHR (3)**  
This course is intended for prospective elementary school teachers. The purpose is to prepare students to be competent in teaching the major concepts and skills related to the real number system and four arithmetic operations.  
Prerequisite: MATH 0920 (C or better) or COMPASS Math Placement Level 2 or Math ACT of 21 or Math SAT of 600. Corequisite: EDEL 1410.

**MATH 1105 - DATA, PROB, ALG ELEM SCH TCHR (3)**  
This course is a continuation of MATH 1100, for prospective elementary teachers. Emphasis is on asking and answering critical questions about our world through algebra, probability, and data analysis to prepare students to be competent in teaching these major concepts. Explorations focus on representing, analyzing, and generalizing patterns and the chances of future events.  
Prerequisite: MATH 1100 (C or better).

**MATH 1400 - PRECALCULUS ALGEBRA (4)**  
Emphasizes algebra topics which are important in preparation for the study of calculus, especially functions and their graphs. Topics include polynomial functions, exponential and logarithmic functions and equations, inequalities, and systems of equations. A graphing calculator may be required in some sections. This course satisfies the University of Wyoming M1 requirement.  
Prerequisite: MATH 0930 (C or better) , Math ACT of 25 or higher or appropriate Math Placement score.

**MATH 1405 - PRECALCULUS TRIGONOMETRY (3)**  
Emphasizes trigonometry and other topics important in preparation for the study of calculus. Topics include angles, right triangle trigonometry, trigonometric functions and their graphs, trigonometric equations, trigonometric representation of complex numbers, and applications. Other topics may be included, as time permits. A graphing calculator may be required in some sections. This course satisfies the University of Wyoming M1 requirement.  
Prerequisite: MATH 1400 (C or better) or Math ACT of 25 or higher, or appropriate Math Placement score.

**MATH 2120 - GEOMETRY & MEASUREMENT ELEM SCH TCHR (3)**  
This course is a continuation of MATH 1105 for prospective elementary teachers. Emphasis is asking and answering critical questions about spatial reasoning as evident in the real world. Includes investigations of two- and three-dimensional shapes and their properties, measurements, constructions, and transformations to prepare students to be competent in teaching these concepts.  
Prerequisite: MATH 1105 (C or better), Corequisite: EDEL 2410.

**MATH 2200 - CALCULUS I (5)**  
An introduction to calculus with analytical geometry. Topics include limits, continuity, derivatives and some applications of the integral.  
Prerequisite: MATH 1405 (C or better) or Math ACT of 27 or higher, or Math Placement Exam.

**MATH 2205 - CALCULUS II (5)**  
Topics include differentiation of transcendental functions, techniques of integration, indeterminate forms, improper integrals, and infinite series.  
Prerequisite: MATH 2200 (C or better).

**MATH 2210 - CALCULUS III (5)**  
Topics to include space and solid analytical geometry, vectors, differential calculus of functions of several variables and multiple integration with applications.  
Prerequisite: MATH 2205 (C or better).

**MATH 2250 - ELEMENTARY LINEAR ALGEBRA (4)**  
Topics include linear equations and matrices, vector spaces, linear transformations, determinants, orthogonality, eigenvalues and eigenvectors.  
Prerequisite: MATH 2205 (C or better).

**MATH 2310 - APPLIED DIFFERENTIAL EQUATIONS (3)**  
Topics include methods of solutions of ordinary differential equations with emphasis on applications. Transforms and applications are also included.  
Prerequisite: MATH 2205 (C or better).
MATH 2350 - BUSINESS CALCULUS I (4)
Units of study include a review of functions, their graphs and their algebra; limits and continuity; derivatives and their applications, techniques of differentiation; and the calculus for the exponential and logarithmic functions with applications to business.
Prerequisite: MATH 1400 (C or better) or equivalent, or Math ACT of 26 or higher.

MATH 2355 - BUSINESS CALCULUS II (4)
Units of study include integrations and applications; techniques of integration; differential equations and applications; functions of several variables, partial derivatives, optimization; Lagrange multipliers; least squares, random variables, discrete and continuous distributions; linear systems and their solutions.
Prerequisite: MATH 2350 (C or better).

MCH - MACHINE TOOL TECHNOLOGY
MCH 2740 - MACHINE TOOL PROCESSES I (4)
This class is offered as an evening class primarily for employed industrial maintenance mechanics who wish to expand their capabilities as machinists. It covers fundamental lathe operations and special topics to meet the job needs.

MCH 2750 - MACHINE TOOL PROCESSES II (4)
This class is a continuation of MCH 2740 and is also offered as an evening class primarily for employed industrial maintenance mechanics who wish to expand their capabilities as machinists. It covers milling machine, shaper and surface grinder operation.
Prerequisite: MATH 2740.

MCH 2760 - ADVANCED MACHINE TOOL PROCESSES I (3)
This course is a continuation of Machine Tool Processing II and covers advanced lathe operations, vertical milling machine operation, metal shaper operation and horizontal surface grinder operation.
Prerequisite: MCH 2740 and 2750.

MCH 2770 - ADVANCED MACHINE TOOL PROCESSES II (3)
This course is a continuation of Machine Tool Processing II and covers advanced lathe operations, vertical milling machine operation, metal shaper operation and horizontal surface grinder operation. This course will focus on machining precision mating parts on projects built by students.
Prerequisite: MCH 2760.

MGT - MANAGEMENT
MGT 1000 - INTRODUCTION TO SUPERVISION (3)
This course will furnish the student with a knowledge of employer-employee relations from the standpoint of both the employee and the supervisor. Current practices of this type of human relations are studied and discussed in recognition of their importance to worker morale and productivity.

MGT 1040 - LEGAL ENVIRONMENT OF BUSINESS (3)
This is an introductory course that provides a broad overview of business-related legal topics including the U.S. court systems, alternative dispute resolution, constitutional law, tort and criminal law, intellectual property law, contract law, and business forms.

MGT 1200 - HUMAN RESOURCE MANAGEMENT (3)
This course is designed to explore issues related to organizing and staffing the work force and to employee relations. Major areas of focus will be human behavior, human resource planning, job analysis and design, training and development, compensation and benefits, employee relations, and legal issues.

MGT 2020 - FUNDAMENTALS OF LEADERSHIP I (2)
Leadership is the ability to influence a group of people towards a goal. In this course students will increase their own leadership capacities through knowledge of themselves and others and practice of leadership techniques. Students will review literature, take practical leadership inventories, class discussion, and hands-on exercises.
Prerequisite: Student Leader in ASG, RA’s, Club Leaders. Others with Instructor Permission.

MGT 2100 - PRINCIPLES OF MANAGEMENT (3)
This course is an introduction to the theory and practice of management in its application to the public and private sectors. The basic idea of the course is to stimulate an awareness of management, management functions, and management in utilizing and coordinating human and physical resources. Scientific and quantitative techniques are emphasized in the decision making and the solving of decision problems involving alternatives.
Prerequisite: Take ENGL 1010.

MGT 2120 - FUNDAMENTALS OF LEADERSHIP II (2)
Leadership is the ability to influence a group of people toward a goal. In this course students will build upon leadership skills learned in Fundamentals of Leadership I, and will take a leadership role in facilitating exercises in the class. Students will review literature, take practical leadership inventories, participate in-class discussion, and hands-on exercises. Each student will develop an individual service leadership project.
Prerequisite: MGT 2020, Student Leader in ASG, PTK, RA, and Clubs. Others with Instructor Permission.

MINE - MINING TECHNOLOGY
MINE 1500 - INTRODUCTION TO MINING (3)
This course introduces the student or prospective underground and surface miner to general orientation to mining, safety and operator rights and responsibilities. State and federal laws, first aid, mine gases, fire prevention, ventilation and mine mapping, roof and rib control, haulage and equipment safety and general mine safety.
CREDIT CHANGED FROM 2 TO 3 F97

MINE 1600 - UNDERGROUND MINE FRM REVIEW (3)
This is a preparatory course for the Wyoming Mine Foreman exam that is given by the Wyoming Mine Examining Board each year. All phases of underground mining that may appear on the state exam will be addressed during the course. Successful completion of this course should prepare the student for the state exam, but does not guarantee state certification as a mine foreman or examiner. Please note that three years of mining experience are required to take the Wyoming Mine Foreman Exam.

MINE 1850 - MSHA SURFACE NEW MINER (1.5)
This course provides 24 hours of the mandatory Mine Safety and Health Administration training for surface mine workers. Onsite training must be completed at an actual mine site.
MINE 1855 - MSHA SURFACE ANNUAL RFRSHER (0.5)
This refresher course is offered annually to any individual who has prior certification of completion of a Surface New Miner training program. This course provides 8 hours of mandatory MSHA (Mine Safety and Health Administration) training for surface mine workers.
Prerequisite: Non-expired 5000-23, past proof of 5000-23, or signed agreement with employer as an experienced miner.

MINE 1870 - MSHA UNDERGROUND NEW MINER (2)
This course provides 32 of the mandatory 40 hours of Mine Safety and Health Administration for underground mine instruction. The remaining 8 hours of onsite training is the student's responsibility and must be completed at an actual mine site.

MINE 1875 - MSHA UNDGRND ANNUAL RFRSHR (0.5)
This refresher course is offered annually to any individual who has prior certification of completion of an Underground New Miner training program. This course provides 8 hours of mandatory MSHA (Mine Safety and Health Administration) training for underground mine workers.
Prerequisite: Non-expired 5000-23, past proof of 5000-23, or signed agreement with employer as an experienced miner.

MKT - MARKETING

MKT 1000 - SALES (3)
This is an introductory course in the field of professional selling. Students will study the different factors necessary for successful selling. Topics covered will include consumer buying incentives and motives, sales psychology, preparing oneself to sell, customer approach and sales techniques. Practical application of the sales skills will be done through sale demonstration. This course will be offered every other year.

MKT 1100 - RETAILING (3)
This introductory course in the area of retail store operation will survey the organization and functions of a retail business and the changes taking place in modern retailing. Topics covered include organization procedures, store location and lay-out, merchandising functions and policies, buying practices and policies, inventory control, pricing strategies and policies, law and regulations important in the field of retailing, franchising, and personnel functions. This course will be offered every other year.

MKT 1300 - ADVERTISING (3)
This course provides the student with general information concerning advertising and its role in business. Topics covered in this course will include the purposes of advertising, the different types of advertising and media, how advertisements are planned, prepared and delivered in the media, and how the effectiveness of advertising is measured and evaluated.

MKT 1400 - CUSTOMER SERVICE (2)
Providing world-class service is not simply a matter of smiling employees and saying "please" and "thank you". It is an all-encompassing approach to making excellence a priority in every aspect of the business. This course will provide an overview of customer service topics and strategies. Students will get the opportunity to analyze and practice techniques.

MKT 2100 - MARKETING (3)
This course is an introduction to the marketing discipline. Emphasis is given to vocabulary, principles, and marketing strategies as each relates to products, pricing, distribution and promotion. Also included is a study of the practices and problems in national and international environments.

MOA - MEDICAL OFFICE ASSISTANT

MOA 1500 - MEDICAL OFFICE PROCEDURES (3)
A one-semester course introducing the student to the responsibilities and clinical procedures in the doctor's office. Includes preparing the patient for examination, obtaining vital signs, taking medical histories, assisting with examinations and treatment, performing routine office laboratory procedures and electrocardiograms, sterilizing instruments and equipment for office procedures and instructing patients in preparation for x-ray and laboratory examinations and becoming involved in purchasing and maintaining supplies and equipment.

MOLB - MOLECULAR BIOLOGY

MOLB 2210 - GENERAL MICROBIOLOGY (4)
A study of the structure, classification, physiology and distribution of micro-organisms, with emphasis on their technological and medical significance. Organisms studied include protozoa, algae, fungi, bacteria, rickettsia and viruses.
Prerequisite: Take BIOL 1010. Corequisite: MOLB 2211.

MUSC - MUSIC

MUSC 0200 - CONVOCATION (0)
Convocation is a listening and performing laboratory for music majors. Applied student soloists and department ensembles may perform. Besides biweekly convocations, attendance at five additional approved concerts is required. Music majors enrolled in applied lessons must also enroll in convocation.

MUSC 1000 - INTRO TO MUSIC (3)
This course is planned for the student who has little or no background or training in music, to understand and enjoy the music of our culture through a programmed presentation of the materials of the music and through a carefully introduced plan for perceptive listening.

MUSC 1010 - MUSIC FUNDAMENTALS (1-3)
This course is designed primarily for the student who is interested in learning more about the elements of music. Depending on the number of credit hours this course acquaints the student with basic music theory that may include any of the following: an introduction to notation, scales, keys, modes, intervals, and chords.

MUSC 1030 - WRITTEN THEORY I (3)
Designed for the student interested in pursuing a major in music, this course uses an integrated approach toward the fundamentals of music and of written harmony.
Corequisite: MUSC 1035.

MUSC 1035 - AURAL THEORY I (1)
The study of sight singing, ear training, keyboard harmony and diatonic harmony.
Corequisite: MUSC 1030.
MUSC 1040 - WRITTEN THEORY II (3)
Designed for the student interested in pursuing a major in music, this course uses an integrated approach toward the fundamentals of music and of written harmony.
Corequisite: MUSC 1045 & MUSC 1291.

MUSC 1045 - AURAL THEORY II (1)
The study of sight singing, ear training, keyboard harmony and diatonic harmony
Corequisite: MUSC 1040.

MUSC 1150 - GUITAR I (1)
A study of basic fundamentals and application of guitar technique.

MUSC 1290 - CLASS PIANO I (1)
This course is designed to teach the beginning piano student the following musical skills: technique, reading in many styles and keys, keyboard theory, harmonization, transposition, improvisation, ensemble playing, and composition.
Prerequisite: MUSC 1290.

MUSC 1291 - CLASS PIANO II (1)
This course is designed to teach the beginning piano student the following musical skills: technique, reading in many styles and keys, keyboard theory, harmonization, transposition, improvisation, ensemble playing, and composition.
Prerequisite: MUSC 1290. Corequisite: MUSC 2030.

MUSC 1295 - CLASS PIANO III (1)
Class piano is a four-semester course designed for the non-pianist as well as the person with some piano skills to provide a working understanding and a functional approach to basic key-board skills.
The course material is coordinated with the written theory skills for each of the four semesters of undergraduate theory study. Students work in piano lab two hours per week with the instructor for a total of 30 contact hours per week.
Prerequisite: MUSC 1291. Corequisite: MUSC 2030.

MUSC 1296 - CLASS PIANO IV (1)
Class piano is a four-semester course designed for the non-pianist as well as the person with some piano skills to provide a working understanding and a functional approach to basic key-board skills.
The course material is coordinated with the written theory skills for each of the four semesters of undergraduate theory study. Students work in piano lab two hours per week with the instructor for a total of 30 contact hours per week.
Prerequisite: MUSC 1295. Corequisite: MUSC 2040.

MUSC 1375 - SYMPHONIC BAND (1)
Members of the community band will prepare, study and perform band literature from classical transcriptions to contemporary compositions. Emphasis will be directed toward correct performances of the literature which includes monitoring of student performance relative to notational accuracy, rhythmic interpretation, dynamics, articulations and phrasing. Students will demonstrate knowledge of style and interpretation with performance of each music selection studied. This course may be taken four times for credit.
Prerequisite: Audition with Instructor.

MUSC 1390 - JAZZ ENSEMBLE I (1)
A select group of instrumentalists organized to provide continued music training and performance experience for its members, and to provide music for cultural and other activities on campus and within the community. May be taken four times for credit. Meets at least five hours per week.
Prerequisite: Instructor Permission.

MUSC 1400 - COLLEGIATE CHORALE (1)
A course offering applied music training and performance experience to its members, and including concert appearances before the college, the community and the area. This class may be taken four times for credit. Meets at least two hours per week.

MUSC 1450 - VOCAL ENSEMBLE (1)
An auditioned group of singers organized to provide music training and experience for its members, and to provide music for cultural and other activities. This class may be taken four times for credit. Meets at least three hours per week.
Prerequisite: Instructor Permission.

MUSC 1485 - INSTRUMENTAL ENSEMBLE (0.5-1)
Open to all students with instrumental proficiency wishing to participate in small instrumental ensembles. Students desiring to play in trios, quartets, or quintets are encouraged to consult with the instructor. Ensembles will be set up by the instructor depending on the instrumentation.
Prerequisite: Instructor Permission.

MUSC 1490 - PIANO ENSEMBLE (1)
A performance-oriented class that explores the ensemble piano literature from the duet and duo (two piano) repertoire. The student will work together with another student while on the keyboard.
Prerequisite: Intermediate or Advanced Piano student.

MUSC 2015 - INTRODUCTION TO THE MUSIC OF WORLD (3)
This course is an introduction to the music of the world's peoples. Students will study, hear, and research music from a wide variety of geographical areas of the world.
Prerequisite: MUSC 1000 or Instructor Permission.

MUSC 2030 - WRITTEN THEORY III (3)
A continuation of MUSC 1040 with added work in harmonic analysis and with some consideration of contrapuntal techniques.
Prerequisite: MUSC 1040. Corequisite: MUSC 2035.

MUSC 2035 - AURAL THEORY III (1)
A continuation of MUSC 1045 incorporating instruction in harmonic analysis and contrapuntal techniques.
Prerequisite: MUSC 1045. Corequisite: MUSC 2030.

MUSC 2040 - WRITTEN THEORY IV (3)
A continuation of MUSC 1040 with added work in harmonic analysis and with some consideration of contrapuntal techniques.
Prerequisite: MUSC 2030. Corequisite: MUSC 2045.

MUSC 2045 - AURAL THEORY IV (1)
A continuation of MUSC 1045 incorporating instruction in harmonic analysis and contrapuntal techniques.
Prerequisite: MUSC 2035. Corequisite: MUSC 2040.
MUSC 2050 - MUSIC HISTORY SURVEY I (3)
This course is designed as a survey of the history and literature of music in western civilization from ancient times to the present and relates epochs in music to corresponding periods in other arts. Class meets three hours each week.

MUSC 2055 - MUSIC HISTORY SURVEY II (3)
This course is designed as a survey of the history and literature of music in western civilization from ancient times to the present and relates epochs in music to corresponding periods in other arts. Class to meet three hours each week.

MUSC 2071 - APPLIED MUSIC GUITAR (1-2)
One private half-hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2073 - APPLIED MUSIC PIANO (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2074 - APPLIED MUSIC VOICE (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2075 - APPLIED MUSIC STRINGS (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2076 - APPLIED MUSIC BRASS (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2077 - APPLIED MUSIC WOODWINDS (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2078 - APPLIED MUSIC PERCUSSION (1-2)
Prerequisite: Instructor Permission.

MUSC 2150 - GUITAR II (1)
This course provides instruction in more advanced guitar techniques.
Prerequisite: MUSC 1150 or Instructor Permission.

MUSC 2230 - GUITAR III (1)
This course focuses on technical studies in chord progression types including 6th, 7th, 9th, and 13th chords. This course examines chord theory, construction, and substitutions as well as scale theory and construction including the modal system. Song construction and arranging are examined.
Prerequisite: MUSC 2150 or Instructor Permission.

MUSC 2355 - GUITAR IV (1)
This course introduces students to more advanced melody reading, rhythm and strumming patterns, scales including harmonic and melodic minor scales, and modes. Chords built from minor scales and modes are studied. Songwriting techniques, arranging, and improvisation are explored.
Prerequisite: MUSC 2330 or Instructor Permission.

MUSC 2410 - SOUND REINFORCEMENT I (2)
This course is the introduction to the theory, techniques, and equipment used in sound reinforcement. Skills will be developed through theory and application discussion, as well as hands-on training with professional sound equipment. Projects will include setting up and running an audio reinforcement system.

MUSC 2415 - RECORDING ARTS I (2)
First in a sequence of two recording arts courses. Recording Arts I is an introduction to the physics of sound, sound recording, and sound reproduction. The concepts will be applied hands-on in a laboratory setting. Also included are basic production and management procedures associated with record album production. Specifics include organizational factors in preliminary studio production planning, communication factors between producers, studio musicians, and recording engineers.

MUSC 2420 - SOUND REINFORCEMENT II (2)
This course is an introduction to the theory, techniques, and equipment used in sound reinforcement. Skills will be developed through theory and application discussion, as well as hands-on training with professional sound equipment. Projects will include setting up and running an audio reinforcement system.
Prerequisite: MUSC 2410.

MUSC 2425 - RECORDING ARTS II (2)
Second in a sequence of two recording arts courses. Recording Arts II introduces strategies and techniques for multi-track recording. Fundamental studio equipment is introduced, studied, and used in the context of multi-track recording. With the use of Pro Tools, the principals of recording are extended into a direct hard disk computer software environment.
Prerequisite: MUSC 2415.

NRST - NURSING

NRST 1510 - NURSE ASSISTANT (4)
This course prepares a person to work as a Nursing Assistant. The course presents basic nursing assistant principles and skills with an emphasis on care of the elderly client. Opportunities are provided for practice and demonstration of skills in the laboratory related to client care. Students will participate in clinical experience at health care agencies. Satisfactory completion of the course entitles the student to take a competency exam to become certified in the State of Wyoming.
Prerequisite: Health Care Provider CPR, TB Skin Test, Tdap, and MMR immunizations. Corequisite: NRST 1511.
NRST 1555 - PN NURSING I (10)
PN Nursing I students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing I students begin to apply the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive direction from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.
Prerequisite: Admission to the Practical Nursing Program.
Corequisite: NRST 1556.

NRST 1565 - PN NURSING II (10)
PN Nursing II students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing II students consistently apply the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive assistance from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.
Prerequisite: NRST 1555. Corequisite: NRST 1566.

NRST 1575 - PN NURSING III (3)
PN Nursing III students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing III students competently use the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive supervision from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.
Prerequisite: NRST 1565. Corequisite: NRST 1576.

NRST 1605 - INTRODUCTION TO NURSING (1)
This course is designed to aid students as they transition into the Nursing Program. This course will introduce students to Problem Based Learning and critical thinking skills needed for application level testing.
Prerequisite: Admission to the Practical Nursing Program.

NRST 1610 - NURSING I (10)
Nursing I students focus on providing safe, effective nursing care to clients with common, predictable problems. Nursing I students are introduced to the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive direction from nursing faculty. Nursing theory, as well as laboratory and clinical experiences, provide the opportunity to apply the goals.
Credit hours changed Fall 1997.
Prerequisite: Admission to Program. Corequisite: NRST 1611.

NRST 1620 - NURSING II (9)
Nursing II students focus on providing safe, effective nursing care to clients with common, predictable problems. Nursing II students consistently use the six goals of the nursing program to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive assistance from nursing faculty. Nursing theory, as well as laboratory and clinical experiences, provide the opportunity to apply the goals.
Prerequisite: NRST 1610. Corequisite: NRST 1621.

NRST 2460 - ADV FIELD WORK EXPERIENCE (1-3)
This course provides the nursing student with an opportunity to participate in clinical experiences that enhance the existing nursing curriculum. Students will participate in fieldwork experience with preceptors.
Corequisite: NRST 2630 or NRST 2640.

NRST 2630 - NURSING III (10)
Nursing III students focus on providing safe, effective nursing care to clients with complex, health problems. Nursing III students consistently use the six goals of the nursing program to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive supervision from nursing faculty. Nursing theory, as well as laboratory and clinical experiences, provide the opportunity to apply the goals. Credit hours changed Fall 1997.
Prerequisite: NRST 1610 or NRST 1620 or Admission to Nursing Program as advanced placement. Corequisite: NRST 2631.

NRST 2640 - NURSING IV (9)
Nursing IV students focus on providing safe, effective nursing care to clients with complex health problems. Nursing IV students competently and consistently use the six goals of the nursing program to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive guidance from nursing faculty. Nursing theory as well as clinical experiences provide the opportunity to apply the goals. Credit hours changed Fall 1997.
Prerequisite: NRST 2630. Corequisite: NRST 2641.
OEAC - OUTDOOR EDUCATION ACTIVITIES

OEAC 1230 - WILDERNESS FIRST AID & SURVIVAL (3)
Prerequisite: Take NRST 1610~ Take NRST 1550 NRST 1610.

OEAC 1300 - DRIFT BOAT FISHING (1)
This course will introduce the basic fundamentals of drift boat handling. Students will learn how to operate hard and soft bottom fishing craft in moving water. Emphasis will be placed on safe handling procedures, maneuvering in moving water and how to maneuver a drift boat for effective fishing.

OGPT OIL GAS PRODUCTION TECH

OGPT 1501 - WELL CAP DRILLING (2.5)
This course is based on the principles and theory of well control, including drilling and workover/completion. The latest information and technologies available are used to instruct in maintaining control of the well during drilling and workover/completion operations. This course meets industry guidelines and certification is awarded upon successful completion at Introductory, Fundamental and Supervisory levels. Simulators are used to conduct hands-on training for personnel attending this course. Topics may include: Live Well Intervention Well Control, Complications, Blow Out Prevention Equipment, Killing a Producing Well, Pressure Control, Regulations, Surface / Subsurface Equipment, Kick Warning Signs, Remedial Fluids, Constant Bottomhole Pressure Methods, Stripping, Snubbing, and Coiled Tubing. This course is offered for Satisfactory/Unsatisfactory grading.

OGPT 1502 - BASIC SEPARATOR & DEHYD TECH (1)
This course will cover the basics in oil field safety and environmental safety. The course will also provide good foundations on the fundamentals of production, the operations of the separator and dehydrator, as well as problem-solving skills for the operation and production in the oil and gas fields.

OGPT 1510 - OIL & GAS PRODUCTION I (3)
This course will familiarize the student with the duties of an oil and gas production technician. Specifically, students will be able to discuss the history of the oil market, concepts surrounding exploration and geology, fundamentals of drilling and well completion, and most importantly, describe the equipment and systems used by the oil and gas production technician today.

OGPT 1515 - OIL & GAS PUMP TECHNOLOGY (3)
This course is designed to cover the artificial lift created by positive displacement pumps and centrifugal pumps used in the recovery of oil and gas. The type of pumps covered will include beam, screw, and piston, check ball, and end suction centrifugal pumps.

OGPT 1520 - OIL & GAS PRODUCTION II (3)
This course will familiarize the student with the duties of an oil and gas production technician. Specifically, the course will cover the following topics: the natural gas treatment, dehydration and compression system and equipment; the produced water treatment and handling system and equipment; auxiliary systems and equipment; artificial lift and enhanced recovery techniques; pumping and transportation systems; safety, health and environmental consideration relative to the field of oil and gas production.
Prerequisite: OGPT 1510.

OGPT 1530 - OIL & GAS PRODUCTION III (3)
This course will familiarize the student with a well site. The student will be introduced to the equipment used, as well as all the components and processes that take place at a well site, including how to operate a dehydration and production unit.
Prerequisite: OGPT 1520.

OGPT 1540 - OIL & GAS PRODUCTION IV (3)
This course will familiarize the student with operation and maintenance of a well site. Students will learn procedures to strap tanks, and light burners on the separator, dehydrator, and flare stack. This course will include classroom work, as well as hands-on work in the on-campus well site facility.
Prerequisite: Take OGPT 1530.

OGPT 2470 - INTERNSHIP: OIL & GAS TECH (1-3)
The basic concept underlying internships is the importance of integrating classroom knowledge with practical experience. Students will apply academic and vocational skills in a work experience that will enhance their academic understanding and progress.
Prerequisite: OGPT 1530.

PEAC - PHYSICAL ACTIVITY

PEAC 1011 - AQUATIC CONDITIONING (1)
This course is designed to introduce different ideas for conditioning in the water. Each student will work at his/her own pace in the process of developing muscular strength and cardiovascular endurance. Subjects covered will vary from lap swimming to hydro-aerobics. This course is not designed for the beginning swimmer. Students are required to swim eight lengths the first week of class. The student will be taught how to properly use kickboards, pull buoys, hand paddles, and swim fins and how to get the most benefit from using them. Personal and small craft safety will be covered briefly. Major emphasis is on conditioning. Major muscle groups and theories of movement in the water are discussed and practiced in class sessions.

PEAC 1015 - BEGINNING SKIN AND SCUBA (1)
This course is for students with little or no knowledge of scuba diving. This course is designed to serve as an introduction to diving and the exciting, beautiful aquatic environment. Along with class sessions, pool training with scuba equipment will occur early in the course. Topics include diving equipment, adapting to the underwater world, underwater communication, dive planning, boat diving, health for diving and aquatic environment orientation.
Prerequisite: Demonstrated Swim Skills.

PEAC 1021 - BEGINNING KAYAKING (1)
This course offers an introduction to the fundamental skills of canoeing and kayaking. The emphasis will be placed on safety, equipment, paddling techniques and conditioning. There will be pool sessions as well as river trips.
Prerequisite: Demonstrated Swim Skills.
**PEAC 1029 - CORE BOARD TRAINING (1)**
This course uses the Reebok Core Board to train the core muscles of the body (the transverse abdominis and multifidus or back muscles). This course provides a total body workout. Students will participate in exercises that increase strength, flexibility, stability, balance and cardio endurance. Students will learn to strengthen their core muscles and improve their posture while using proper body alignment and body mechanics to perform the conditioning exercises. This course is appropriate for men and women of all ages and fitness level. Three levels of difficulty will be demonstrated. Students MUST work at a level at which they are most comfortable.

**PEAC 1038 - STEP AEROBICS I (1)**
Step Aerobics I is a highly efficient form of cardiovascular exercise for beginning level students looking for a challenging workout. It is a form of exercise enjoyed by both men and women. This class will help students improve endurance, muscular strength, muscle tone, flexibility, and balance. Students can personalize their workout by monitoring their heart rates and adjusting the bench level.

**PEAC 1039 - STEP AEROBICS II (1)**
Step Aerobics II is a continuation of Step Aerobics I, with basic step knowledge as a requirement. Students will be expected to participate in 20-30 minutes of aerobic exercise without exceeding maximum heart rate. Therefore, all students' fitness levels will be measured the first week. Students not physically ready will be asked to transfer to a more appropriate course. Step routines will improve muscle tone, flexibility, cardiovascular endurance, muscular strength and balance.

Prerequisite: PEAC 1038.

**PEAC 1041 - SELF DEFENSE I (1)**
This course serves as an introductory class allowing the student to experience proper warm ups, stretching and conditioning before engaging in various stages of our martial arts curriculum. Instruction shall emphasize elements such as proper body mechanics, balance, offensive and defensive drills, reactionary drills as well as heightened awareness. Physical contact will be limited to resistance training on equipment such as Boxing focus mitts, Muay Thai striking pads and rattan sticks.

**PEAC 1042 - SELF DEFENSE II (1)**
This course serves as an intermediate level class. Students will learn more advanced elements of all ranges including counter-for-counter drills, weapon disarms, and safe and controlled sparring on various ranges. This course is taught at a faster pace to help the student achieve better physical conditioning.

Prerequisite: PEAC 1041.

**PEAC 1043 - BEGINNING KARATE (1)**
An activity course designed to improve physical fitness and to acquaint students to the theory of martial arts.

**PEAC 1050 - BEGINNING TENNIS (1)**
Introduction to the fundamental skills of tennis. Skills to be included are grips, forehand, backhand, serves and volley. Tennis rules and etiquette are also included. Students will be exposed to singles and doubles play. Time permitting, in-class tournaments will be scheduled.

**PEAC 1120 - INTRODUCTION TO FREE WEIGHT TRAINING (1)**
This course is designed for individuals with no prior weight training experience. Students learn proper technique for basic free weight lifting exercises. A predetermined workout program to develop muscular strength and endurance is used for the first half of the course. New exercises will be taught and perfected throughout the semester. By the end of the course, students will have perfected form on the basic free weight lifts and be able to create a basic program to increase fitness. Emphasis is placed on safe and effective use of the free weight equipment.

**PEAC 1125 - BOSU CORE CONDITIONING (1)**
This course is designed to enhance physical fitness by using the BOSU. Emphasis is placed on developing balance, training the core muscles of the body, using proper exercise techniques, as well as the application of general fitness principles. Progressive conditioning techniques will be used to develop muscle tone and strength, balance, and stability.

**PEAC 1130 - STABILITY BALL (1)**
This course is designed to enhance physical fitness by using the stability ball. Emphasis is placed on training the core muscles of the body, using proper exercise techniques and body alignments, as well as applying general fitness principles. Progressive conditioning techniques will be used to develop muscle tone and strength, balance, and stability.

**PEAC 1253 - BEGINNING BOWLING (1)**
Introduction to the basic skills of bowling which include stance, approach, types of deliveries, bowling terminology, scoring, tournament play and acceptable bowling etiquette.

**PEAC 1254 - SNOWBOARD RIDING I (1)**
This course offers an introduction to the fundamental skills of snowboard riding. The emphasis will be on technique, conditioning, safety and equipment repair and tuning. The class has classroom and activity portions. Trips to ski areas will be incorporated and fees for snowboard and boot rentals and trip expenses are the responsibility of the student.

**PEAC 1255 - BEGINNING GOLF (1)**
An introduction to the fundamentals of golf to include grip, stance, back swing, down swing, short iron play, mid-iron play, long iron play, fairway wood play, driver play, pitching, chipping and putting play, rules, course etiquette, and course care.

**PEAC 1258 - DOWNHILL SKIING I (1)**
Downhill skiing with emphasis on fitness, equipment and safety. This course will have classroom and activity portions. All of the hill activities will be supervised by certified instructors. Special fee includes lift tickets, instruction, lodging and transportation. Student must provide own equipment.

**PEAC 1259 - BEGINNING CROSS-COUNTRY SKIING (1)**
This course offers an introduction to the fundamental skills of cross-country skiing. The emphasis will be on skiing technique, conditioning, safety and equipment. The class has classroom and activity sections. Trips to ski areas will be incorporated and fees for ski rentals and trip expenses are additional costs.

**PEAC 1260 - BEGINNING VOLLEYBALL (1)**
Introduction fundamentals of volleyball to include rules, serving, spiking, setting, blocking and game strategy.
PEAC 1264 - BEGINNING SOFTBALL (1)
Introduction to the rules and fundamental skills of softball, and application of these rules and skills in actual game situations. Basic skills to be covered include fielding, throwing, batting, baserunning, pitching and information on how to play each position.

PEAC 1273 - WEIGHT TRAINING CONDITIONING (1)
This course is designed for individuals with no prior weight training experience. Students learn proper techniques for basic weight lifting exercises. Evaluations of individual fitness levels and knowledge of weight training principles are integral components of the course. A pre-determined workout program to develop muscular strength and endurance is used for the first half of the course. By the end of the course, students will learn how to develop their own personalized weight training program. Emphasis is placed on safe and effective use of the Cybex machines and dumbbells.

PEAC 1280 - FLY FISHING I (1)
This course is designed to familiarize the student with the equipment and the fundamentals of fly fishing. The technique of fly fishing will be emphasized and practiced. Care of equipment, safety and determining fish behaviors will also be covered.

PEAC 1287 - ROCK CLIMBING I (1)
This course introduces the student to the necessary equipment, safety, and skills to be able to rock climb. Two overnight trips will provide students with opportunities to use and practice the knowledge and skills they acquire. The fundamentals of rock climbing will include knot tying, belaying, belay signals, and use of the rope as a safety line for ascending and descending rough terrain. After introduction and practice on gradual slopes, the course continues on a series of short rock faces where a variety of problems give each student a chance to climb pitches of various difficulty. All climbing is protected with an upper belay. Continuing instruction and practice is designed to acquaint each student with a variety of the special equipment associated with rock climbing and the practice using this equipment safely.

PEAC 1290 - PHYSICAL CONDITIONING: (1)
Physical Conditioning is the enhancement of physical fitness through the proper use of exercise and training. Emphasis is placed on learning appropriate exercise techniques as well as general fitness principles. Utilizing the latest equipment and techniques designed for physical enhancement, conditioning will focus on muscle tone and strength, cardiovascular endurance, balance, agility, and stability.

PEAC 1294 - BEGINNING YOGA (1)
This course enhances physical health and mental well-being through the non-competitive and introspective practice of physical poses and breathing techniques from the Yoga tradition. It is appropriate for men and women of all ages. Various fitness levels will be demonstrated.

PEAC 1295 - BEGINNING BACKPACKING (1)
This course will introduce beginners to the basics of weekend backpacking so that they can pursue future trips with more confidence. Topics will include recommendation for conditioning, food/drink, clothing, footwear, basic equipment and emergency equipment. The following skills will be discussed and practiced during the trip: selecting clothing, food and equipment, packing a pack effectively and adjusting the pack for a proper fit, basic map reading, choosing a camp site and minimizing impact on the land, and protecting food and equipment from animals. The course will involve lecture/discussion sessions followed by a weekend trip, three days/two nights, in the local mountains.

PEAC 1296 - DESERT LIVING SKILLS (1)
Desert Living Skills is an introduction to the special nature of traveling, camping and surviving in the deserts of the world. Regardless of why a person has entered the desert; be it for recreation, occupation, education or accidently, the desert is a harsh and unforgiving environment. The student will be introduced to the mental, physical and material "tools" to deal successfully with that environment.

PEAC 1297 - WHITewater RAFTING (1)
Introductory course in whitewater rafting. Topics include equipment, river safety, river hazards and accidents, river reading and water situations, first aid, trip planning including meal preparation and river ethics.

PEAC 1298 - SNOWSHOEING (1)
Introduction to showshoeing as a recreational sport with an emphasis on fitness, equipment and safety. Major topics include: clothing systems, cold weather injuries, snow shelters, avalanche awareness and safe winter travel. This course will have both classroom and outdoor activity portions. All of the activities will be supervised, transportation will be provided, and are on Saturdays.

PEAC 1308 - HIKE & FISH (1)
This course will introduce beginners to the basics of hiking and fly-fishing so that they can pursue future trips with more confidence. Topics will include choosing proper equipment, how to hike effectively, and minimizing impact on the land. The techniques of fly-fishing will be emphasized and practiced. Care of equipment, safety and determining fish behaviors will also be covered. The course will involve lecture/discussion sessions followed by a day hike and a weekend trip, two days/one night in hiking and fishing.

PEAC 1309 - HIKE-CAMP-FISH (2)
This course will introduce beginners to the basics of backpacking and fly-fishing so that they can pursue future trips with more confidence. Topics will include choosing proper equipment, how to pack a pack effectively, minimizing impact on the land, and protecting food and equipment from animals. The techniques of fly-fishing will be emphasized and practiced. Care equipment, safety and determining fish behaviors will also be covered. The course will involve lecture/discussion sessions followed by a day hike and a weekend trip, three days/two nights in the local mountains.

PEAC 1320 - BIG GAME HABITAT SKILLS (1)
This course will provide students with the knowledge and skills to find and identify Wyoming's big game animals. Primary emphasis will be placed on rocky mountain elk, mule deer, antelope and moose. Students will also be introduced to the necessary hunting equipment required to pursue these animals, as well as the physical conditioning needed to safely hunt in high altitude rugged terrain. Emphasis will also be placed on the role of hunters in the management of big game and current conservation issues facing big game herds in Wyoming.

PEAC 1340 - MOUNTAIN BIKING (1)
Introduction to the fundamentals of mountain biking to include bike selection, fit, basic maintenance, and riding techniques.

PEAC 1387 - INDOOR ROCK CLIMBING (1)
This course introduces the students to climbing, bouldering, sport climbing and climbing games in an indoor setting. Participants will gain knowledge and skills so that they may feel confident and comfortable in indoor climbing situations or gyms.
PEAC 1600 - SNOW & ICE CLIMBING I (1)
This course introduces students to the necessary equipment, knowledge and the skills to look after themselves and others in a remote, high, mountainous environment. The course will concentrate primarily on various facets of snow and ice climbing, and techniques of high altitude camping. Topics such as glacier travel, use of the ice axe and crampons, route finding and crevasse rescue will be covered. Overnight trips will provide students the opportunities to experience high alpine camping, use alpine stoves, cook their own meals and to practice the knowledge and skills they acquire. The course is flexible in nature in order to best fit the needs of particular groups of students.

PEAC 2005 - PERSONALIZED FITNESS I (2)
This is phase one of a two-phase lecture/lab conditioning program. This course is a general conditioning program which includes the four areas of fitness: cardiovascular fitness, flexibility, muscular strength and muscular endurance. Personal exercise prescriptions will be written by the instructor.

PEAC 2006 - PERSONALIZED FITNESS II (3)
This course deals with a special type of conditioning program which applies the principle of specificity. The type of training undertaken must relate to the type of movement which will be performed on the job. Personal exercise prescriptions will be written by the instructor. Continuation of PEAC 2005.
Prerequisite: PEAC 2005 or Instructor Permission.

PEAC 2012 - ADVANCED SCUBA DIVING (1)
This course is for students who want to continue with their underwater education. A diver need not be advanced to take this course. This course will provide students with the opportunity to sharpen their scuba and safety skills. Five underwater dives will be completed which will introduce students to underwater career opportunities. Topics include natural navigation, the body and diving, advanced diving procedures, aquatic biology, deep diving and 5 open water dives. A lab fee will be required.
Prerequisite: PEAC 1015, Open Water Certification, or Instructor Permission.

PEAC 2017 - WATER SAFETY INSTRUCTOR (1)
This course is designed for the advanced swimmer. Students will learn instructor skills for teaching the progressively more difficult swimming courses. Students will learn all of the skills for each course and how to properly teach that skills with safety in mind.
Prerequisite: PEAC 2018, or must be a life guard, or Instructor Permission.

PEAC 2018 - LIFEGUARD TRAINING (1)
Lifeguard Training is designed for the more advanced swimmer and concentrates on lifeguard training skills and the knowledge required to become a lifeguard at a swimming pool and at non-surf beach areas. CPR for the Professional Rescuer and First Aid are included included in the course. Prerequisite: Intermediate or advanced swimming ability. Successful completion of skills test or instructor’s permission.

PEAC 2025 - WILDERNESS NAVIGATION (1)
Wilderness Navigation is a comprehensive introduction to the special nature of traveling and navigating in the wilderness. Regardless of why a person has entered the wilderness; be it for recreation, occupation, education or accidentally, the wilderness can be a harsh and unforgiving environment. The student will be introduced to the skills, maps, and the magnetic compass to successfully navigate within the environment. Opportunities will be provided to practice these skills in the field while hiking and navigating through rough terrain.

PEAC 2029 - CORE BOARD TRAINING II (1)
This course is more advanced than Core Board Training I and requires a higher fitness level and knowledge base. It is not intended for the beginning exerciser. This course uses the Reebok Core Board, stability balls, medicine balls, resistance tubing, stretch straps, foam rolls and stretch bands to facilitate a higher level of training of the core muscles of the body. This course provides a total body workout and includes exercises that increase strength, flexibility, stability, balance and cardio endurance. This class allows students to further strengthen their core muscles and improve their posture while using proper body alignment and body mechanics to perform the core conditioning exercises.
Prerequisite: PEAC 1029, or PEAC 1290, or Instructor Permission.

PEAC 2072 - ADVANCED VOLLEYBALL (1)
Brief introduction to the fundamental skills in volleyball such as the serve, spike, bump, set and block. The main emphasis will be placed on the more intricate skills of the dink, dig, dive, getting around the blockers, offense and defense systems and strategy. Students will be involved in game play as well as receiving individualized instruction on skills. Lectures will complement the activity part of the class.

PEAC 2088 - ROCK CLIMBING II (1)
Students will practice climbing with a top rope, learn to use the technical gear used for protection, learn to lead and set up practice climbs, multi-pitch climbs, and safety on the mountain. Students will little or no climbing experience will have a beginning climbing refresher. After introduction and practice on gradual slopes, the course continues on a series of rock faces where a variety of problems give each student a chance to multi-pitch problems according to ability. All climbing is protected with a top rope for safety. Continuing instruction and practice is designed to acquaint each student with a variety of special equipment associated with rock climbing. Safe use of equipment is stressed at all times.
Prerequisite: PEAC 1287.

PEAC 2280 - FLY FISHING II (2)
This course is designed to teach students advanced fly fishing techniques including casting for greater accuracy and distance, angling techniques for various types of water and proper methods for catch release fishing. Students will also learn basic aquatic entomology and the production of artificial flies to accurately imitate real insects. Special attention will be placed on species identification and on the role that anglers play in conservation. Weekend trip involved. This course does not meet the Health Human Activity general education requirement for graduation.
Prerequisite: Take PEAC 1280 or Instructor Permission.
PEAC 2294 - INTERMEDIATE YOGA (1)
This course advances the practice of yoga, continuing to improve physical and mental health through the non-competitive and introspective practice of more advanced asanas (poses), breathing techniques, and meditation. It is appropriate for men and women of all ages who demonstrate the knowledge, strength, and skill necessary to keep themselves safe in a more advanced practice.
Prerequisite: Instructor Permission.

PEAT - VARSITY ATHLETICS

PEAT 1010 - CHEERLEADING (1)
This is a course designed for the Pep Squad/Mascot to learn and practice cheers and dance routines to be performed at athletic events. Students will also develop, prepare, organize and participate in activities with fellow students in order to promote school spirit.

PEAT 1040 - VARSITY SOCCER (WOMEN) (1)
This course is designed for members of the Western Wyoming Community College Women's Soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, the student must be a member of the WWCC Women's Soccer Program. This course may be taken 4 times for credit.

PEAT 1050 - VARSITY BASKETBALL (MEN) (1)
To develop an intercollegiate team to represent Western Wyoming Community College in the National Junior College Athletic Association Region IX and the Empire Conference.

PEAT 1060 - VARSITY BASKETBALL (WOMEN) (1)
Designed to develop a Women's NJCAA Team to represent Western Wyoming Community College in Region IX and the Empire Conference.

PEAT 1070 - VARSITY WRESTLING I (1)
This course is designed for members of the Western Wyoming Community College Wrestling Team and focuses on advanced skill development with emphasis on team progressions in wrestling including rules, strategy, conditioning, holds, moves, escapes, mental discipline and sportsmanship. The athlete must be a recruited walk on or scholarship athlete.

PEAT 1080 - VARSITY VOLLEYBALL I (1)
This course is designed for members of the Western Wyoming Community College Region IX intercollegiate volleyball team, which focuses on advanced skill development with emphasis on team progressions in volleyball. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Volleyball program. The athlete must be a recruited walk on or scholarship athlete.
Prerequisite: Instructor Permission.

PEAT 2071 - VARSITY SOCCER (MEN) (1)
This course is designed for members of the Western Wyoming Community College Soccer teams, and focuses on advanced skill development with emphasis on team progressions in soccer. The athlete must be a recruited walk on or scholarship athlete.
Prerequisite: Instructor Permission.

PEPR - PHYSICAL EDUC PROFESSIONAL

PEPR 1120 - TEACHING FREE WEIGHT TRAINING (1)
This course is designed for individuals with no prior weight training experience. Students learn proper technique for basic free weight lifting exercises. Students will learn how to teach and critique proper form for the basic free weight lifts. Analysis and correction of others' technique will be emphasized. New exercises will be taught and perfected throughout the semester. By the end of the course, students will have learned the form on the basic free weight lifts and be able to teach, analyze and correct the lifting technique of others. Emphasis is placed on teaching safe and effective use of the free weight equipment.
Prerequisite: PEPR 2130, may be taken concurrently. Corequisite: PEPR 2130.

PEPR 2037 - INTRODUCTION TO SPORTS PSYCHOLOGY (3)
Sport Psychology is the study of mental factors affecting athletic skills and performance as well as during sports injury, applying psychological science to sports. This course will provide an overview of the growing field of Sport Psychology. Subjects studied during this course will cover the foundations of Sport Psychology, the psychological influence in sport, recreational activity, injury and rehabilitation as well as performance enhancement techniques. Topics will include theoretical foundations of counseling, psychological interventions for performance troubles, and mood dysfunctions through injury, rehabilitation and return to sport.

PEPR 2120 - INTRO TO EXERCISE PHYSIOLOGY (4)
This course explores the physiological aspects of human movement. Aspects of exercise, such as muscular and neurological control of movement, metabolism, cardiovascular control and the training affects are discussed. The course also explores how nutrition, environment, drugs, hormones, and other factors that effect performance.
Prerequisite: BIOL 2015. Corequisite: PEPR 2121.

PEPR 2121 - INTRO TO EXERCISE PHYSIOLOGY LAB (0)
Corequisite: PEPR 2120.

PEPR 2130 - FITNESS LEADERSHIP TRAINING I (3)
This course teaches the responsibilities and work activities that are necessary for becoming a fitness leader or personal trainer. It is a practical course that stresses application of anatomical and physiological concepts related to exercise. Major topics include exercise screening, program design, proper exercise techniques, injury prevention and legal issues. In addition, this course will prepare students to take the national certification exam given by the American Council on Exercise.

PEPR 2140 - PERSONAL TRAINER CERTIFICATION REVIEW (1)
This course reviews the knowledge base and responsibilities that are necessary for becoming a personal trainer. It is an exam review course that covers exercise screening, individualized program design, proper exercise techniques, exercise science principles, methods of training, leadership and implementation, and legal issues. In addition, this course will prepare students to take the national personal trainer certification exam given by the American Council on Exercise (ACE).
PEPR 2230 - FITNESS LEADERSHIP TRAINING II (3)
This course is a continuation of the Fitness Leadership Training I course. The purpose of the course is to further explore the topics related to the responsibilities and work activities that are necessary for becoming a fitness leader or personal trainer. In addition to expanding on the topics addressed in the Fitness Leadership I course, major topics presented in this course include basic functional anatomy and biomechanics, basic exercise physiology, and program design and periodization. It is a practical course that stresses application of anatomical and physiological concepts related to exercise. This course will be helpful for the student preparing to take a national personal trainer certification exam.
Prerequisite: PEPR 2130.

PEPR 2470 - BEGINNING EXERCISE SCIENCE INTERNSHIP (1-2)
Students will apply their exercise science knowledge and skills gained from the Fitness Leadership and Exercise Physiology classes, and internship training sessions to real-life settings.
Prerequisite: PEPR 2130, may be taken concurrently. Corequisite: PEPR 2130.

PEPR 2471 - ADVANCED EXERCISE SCIENCE INTERNSHIP (1-2)
Students will apply their exercise science knowledge and skills gained from the Fitness Leadership and Exercise Physiology classes, and internship training sessions to real-life settings.
Prerequisite: PEPR 2470.

PHIL - PHILOSOPHY

PHIL 1000 - INTRODUCTION TO PHILOSOPHY (3)
This introductory course is designed to provide a sampling of some of the important ideas and issues of philosophy as they relate to us today. It consists of reading and discussion of classical and contemporary writers who address such questions as how we should live our lives, whether or not we have free will, and what we can know about the nature of reality and of the mind.

PHIL 2300 - ETHICS (3)
Students will examine some of the principle theories of ethical behavior, including Relativism, Egoism, Utilitarianism, Deontology and Virtue Ethics, and will apply these theories to discussions of conduct in our private and public lives, as well as to some contemporary societal debates.

PHIL 2310 - PHILOSOPHY OF RELIGION (3)
This course is a systematic examination of philosophical questions, arguments and theories arising from the study of religion. Topics to be studied may include reason and religion, proofs for the existence and nature of God, the character of religious language, attempts to determine the authenticity of religious experience, religion and ethics, and God and evil.
Prerequisite: PHIL 1000.

PHIL 2315 - COMPARATIVE RELIGIONS (3)
This course introduces students to some of the major religious traditions that have guided and continue to guide the thoughts and actions of believers. Specifically, students will gain familiarity with religious traditions such as those originating in India (Hinduism, Buddhism, and Sikhism), in the Far East (Taoism, Confucianism, and Shintoism) in the Middle East (Islam, Judaism and Christianity), and in Native American and African tribal societies. Students will gain insight into the commonalities among and the key differences between these various religious traditions. They should also achieve a fuller appreciation of and respect for the practitioners of other religions.

PHLB - PHLEBOTOMY

PHLB 1800 - PRINCIPLES OF PHLEBOTOMY (3)
This didactic course will introduce the student to the profession and practice of phlebotomy. Course activities and projects provide the students with the 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.

PHLB 1970 - PHLEBOTOMY PRACTICUM (3)
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.
Corequisite: PHLB 1800.

PHYS - PHYSICS

PHYS 1050 - CONCEPTS OF PHYSICS (4)
A one-semester course in which a small number of fundamental physical principles are used to explore a wide range of phenomena. The basic conservation laws and their applications will be stressed. Topics will range from Newtonian mechanics to the modern wave/particle duality of quantum mechanics. The course is designed to satisfy the University of Wyoming physical science requirement.
Prerequisite: MATH 0920, or TECH 1000, or placement into MATH 0930 or higher. Corequisite: PHYS 1051.
PHYS 1100 - GENERAL PHYSICS I (4)

The first course of a two-semester non-calculus based physics sequence. It is primarily for majors in biology, premedicine and other majors that do not require calculus-based physics. Topics include mechanics, gravitation and heat. Laboratory sessions illustrate the principles studied. Students receiving credit for PHYS 1110 cannot receive credit for PHYS 1050. (Generally offered fall semester.)

Prerequisite: Take MATH 1405 or equivalent. Corequisite: PHYS 1111.

PHYS 1120 - GENERAL PHYSICS II (4)

The second course of a two-semester non-calculus based physics sequence. Topics include electricity, magnetism, optics, and modern physics. Laboratory sessions illustrate the principles studied. (Generally offered spring semester.)

Prerequisite: Take PHYS 1110. Corequisite: PHYS 1121.

PHYS 1310 - COLLEGE PHYSICS I (4)

The first course of a two semester sequence with calculus. It is primarily for majors in physics, engineering and other majors that require calculus-based physics. Includes classical mechanics, gravitation and thermodynamics. Laboratory sessions illustrate the principles studied and meaning of physical measurement. Students receiving credit for PHYS 1310 cannot receive credit for PHYS 1050. (Generally offered fall semester.)

Prerequisite: MATH 2200 (C or better, or may be taken concurrently). Corequisite: PHYS 1311.

PHYS 1320 - COLLEGE PHYSICS II (4)

The second course of a two-semester sequence with calculus. The course includes electricity, magnetism and optics. Laboratory sessions illustrate the principles studied and meaning of physical measurement. Students receiving credit for PHYS 1320 cannot receive credit for PHYS 1050. (Generally offered spring semester.)

Prerequisite: PHYS 1310 (C or better) and MATH 2205 (may be taken concurrently). Corequisite: PHYS 1321.

POLS - POLITICAL SCIENCE

POLS 1000 - AMERICAN & WYOMING GOVERNMENT (3)

This course provides a basic introduction to government and politics in the United States. Successful completion of this course will satisfy the Wyoming state requirement for instruction in the laws and government of Wyoming and the United States. The course is a survey of national, state, and local government. Topics will include U.S. and state constitutions, democratic theory, federalism, political culture, political socialization, public opinion, political participation, electoral behavior, political parties and interest groups, press, and local government. The course also looks at institutional elements of the American political system: legislature, executive, judiciary, and bureaucracy. Also offered is a critical examination of the rights, duties, responsibilities, and accountability expected of citizens and elected officials within a democracy.

Prerequisite: Compass Reading Score of 71 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

POLS 1200 - NON-WESTERN POLITICAL CULTURES (3)

The primary objective of this course is to give students an appreciation of non-western political cultures and of how these cultures have created different political institutions and practices. It will also provide for greater awareness of the challenges and opportunities that developing regions of the world are faced with. The course will be composed of in-depth case studies of selected nations and issues that are pertinent to different non-Western regions of the World.

POLS 2000 - CURRENT ISSUES IN AMERICAN GOVERNMENT (3)

An examination of current political topics in the United States. Focus is on key public policy problems, policy making process, and the final policy choice. Students are expected to keep abreast of political events on a daily basis and to apply basic concepts in American government to current affairs.

POLS 2128 - TERRORISM (3)

This course deals with one of the most distressing problems of modern time: the accomplishment of political objectives by using innocent civilians as hostages - both physically and psychologically. The subject of terrorism will be discussed according to these three questions: What is terrorism and how might its characteristics best be defined? What are its immediate and underlying causes? What approaches have been proposed to bring it under control? Contemporary examples of actual terrorist situations will serve as illustrations.

POLS 2250 - LATIN AMERICAN STUDIES (3)

During this course, students will study the culture, history and politics of Latin America, from the Rio Grande on the U.S.-Mexico border on the north to the Antarctic tundra of Patagonia and the glaciers of Tierra del Fuego on the south. The course will consider historical events and encounters from pre-Colombian times to contemporary occurrences; the box of disciplinary resources for this adventure will include geography, anthropology, history, political economy, literature, language, and cultural studies. Readings, lectures, in-class discussions, films, written and creative assignments will help explore this fascinating region in the context of its own internal dynamics as well as its relationship with the larger world.

POLS 2310 - INTRO TO INTERNATIONAL RELATIONS (3)

Analysis of the nature of international relations with emphasis on various methods of explaining and interpreting international behavior of nation-states. Contemporary problems of world politics serve as illustration.

POLS 2470 - INTERNSHIP: POLITICAL SCIENCE (1-4)

The objective of this course is to integrate practical political experience with academic knowledge. The student is expected to participate in specifically assigned duties and to observe the broader activities of his sponsoring organization. Internship credit can be earned for work in a US Senator's or US Congress- man's office or for work with a Wyoming legislator in Cheyenne during the legislative session. A student can earn no more than 4 credits. Must register by mid-semester to get credit.

Prerequisite: Instructor Permission.
POLS 2471 - INTERNSHIP: POLITICAL SCIENCE II (1)
The objective of this course is to integrate practical political experience with academic knowledge. The student is expected to participate in specifically assigned duties and to observe the broader activities of his sponsoring organization. Internship credit can be earned for work in a U.S. Senator's or a U.S. Congressman's office or for work with a Wyoming legislator in Cheyenne during the legislative session. A student can earn no more than 4 credits. Must register by mid-semester to get credit
Prerequisite: POLS 2470 and Instructor Permission.

PSYC 2080 - PSYCHOBIOLOGY (4)
This is a one semester course that serves as an introduction to the biological bases of behavior. It includes ethology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior, and evolution and behavioral genetics. It presents basic structural and functional properties of the nervous system.
Prerequisite: 4 hours of BIOL and PSYC. Corequisite: PSYC 2081.

PSYC 2210 - DRUGS AND BEHAVIOR (3)
Surveys drugs which affect behavior, emphasizing drugs with abuse potential. Includes brief introduction to the chemistry of the brain and how drugs may have their effects. Discusses behavioral, social, historical and medical aspects of each major class of psychoactive drugs.

PSYC 2300 - DEVELOPMENTAL PSYCHOLOGY (3)
This course is an overview of growth and development from conception through adolescence. Psychological development includes the physical, cognitive and social changes that humans experience at various stages. Students will learn the various theories and produce a project that demonstrates some aspect of development.
Prerequisite: PSYC 1000.

PSYC 2330 - PSYCHOLOGY OF ADJUSTMENT (3)
Adjustment is the psychological process of adapting to, coping with and managing the problems, challenges and demands of everyday life. This is a human growth course whereby emphasis is given to application of theory. Students will assess, evaluate and practice skills that allow them to learn to adjust to the problems of everyday life.
Prerequisite: PSYC 1000, HLED 1003 or Instructor Permission.

PSYC 2340 - ABNORMAL PSYCHOLOGY (3)
This course surveys the range and symptoms associated with mental health problems and how they are diagnosed. Behavioral health issues, including treatment and prognosis, are included as well as the environmental, intrapersonal and physiological factors which contribute.
Prerequisite: PSYC 1000.

PSYC 2380 - SOCIAL PSYCHOLOGY (3)
Social Psychology is designed to provide the student with an understanding of some of the factors which influence the behavior of both individuals and groups of people in a social environment. For the vocational student, the course is intended to provide an exposure to some contemporary social problems from a social psychological point of view. The student who intends to pursue further study in psychology will become familiar with the current theory, methodology and research findings of the field.
Prerequisite: PSYC 1000 or SOC 1000.

PSYC 2470 - INTERNSHIP: PSYCHOLOGY (1-3)
The Psychology Externship Program provides the opportunity to obtain practical work experience in the clinical field of psychology. Some programs allow for direct interaction between students and clients, while others of a more confidential nature involve observation only. Once a student has completed the observational period, they may graduate to increased involvement in that program. A student can earn no more than four credits and must register by mid-semester.
Prerequisite: Instructor Permission.
PSYC 2485 - PSYCHOLOGY SEMINAR: (1-4)
This course will discuss current topics in psychology, generally one theme each semester. Students will discuss, study, and report on that specific topic. The content may vary from semester to semester.

SAFE - SAFETY TECHNOLOGY
SAFE 1501 - HEALTH, SAFETY & ENVIRON. SYSTEMS MGMT (3)
This course provides a broad orientation to regulatory issues pertaining to safety, health and environment in the workplace. Topics may include federal, state and local regulations compliance management; air quality and air emissions, water pollution, soil contamination, waste disposal, pollution prevention plans, data gathering and reporting as important compliance issues; personal safety plans; development of policies and procedures; overall industrial safety management program management.

SAFE 1502 - FUNDAMENTALS OF INDUSTRIAL HYGIENE (3)
This course is designed to introduce the student to the field of industrial hygiene. Concepts to be discussed include anticipation, recognition, evaluation, and control of chemical substances and physical agents in the workplace or environment. Emphasis will be placed on such subjects as air contaminants, toxicology, radiation, noise, temperature, personal protective equipment, engineering controls, and associated calculations. A hands-on approach will often be used in the process of learning instrument calibration, sampling methods, and other quantitative evaluations.
Prerequisite: TECH 1600 and MATH 0930 or TECH 1000.

SAFE 1543 - CONTRACTOR EXPECTATIONS SAFETY ORIENT (0.5)
This course is an orientation to the various operator/producer safety policies and procedures, which many oil and gas operators/producers require in order to work on a wellsite. Using the Contractors Expectations and Orientation Handbook, students will learn the occupational and safety requirements for specific operator/producers, worksite policies and procedures, hazardous situations, incidence reporting, and emergency response plans. This course is approved for S/U grading.

SAFE 1544 - HAZ WASTE OPERATIONS & EMRGNCY RESPONSE (2.5)
This Hazardous Waste Operations and Emergency Response (HAZWOPER) course will cover safety, health and other potential site hazards; use of personal protective equipment (PPE); spill containment; waste minimization; remediation; safe use of engineering controls and equipment; and a demonstration of chemical and physical properties. This course is offered for Satisfactory/Unsatisfactory grading.

SAFE 1545 - SAFETY & RIGGING FOR INDUSTRY (2.5)
Safety Rigging of Industry, often referred to as S.M.A.R.T. (Safety Management And Rig-up Training School), is a real-time, hands-on based training focusing on potential hazard identification and resolution designed to instruct new employees on the proper and safe rig-up and rig-down practices using industry approved best practices. Active role-play participation runs throughout the course, with job scenarios across the broad range of Product Service Lines (PSL). This course is approved for S/U grading.
Prerequisite: SAFE 1541, SAFE 1542 or Instructor Permission.

SAFE 1551 - GENERAL INDUSTRY SAFETY I (0.5)
This 10-hour program is intended to provide a variety of training on General Industry Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include such things are OSH Act, General Duty Clause 5 (a)(1), Inspections, Citations, and Penalties (CFR Part 1903), Recordkeeping (CFR Part 1904), Walking and working Surfaces (Subpart D), Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection, Subparts E, L, and Electrical, Subpart S. In addition, other topics may be included based on the major units of study or additional needs of company groups. This course is approved for S/U grading.

SAFE 1552 - CONSTRUCTION INDUSTRY SAFETY I (0.5)
This 10-hour program is intended to provide a variety of training on Construction Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include such things are OSH Act, General Duty Clause 5 (a)(1), Inspections, Citations, and Penalties (CFR Part 1903), Walking and working Surfaces (Subpart D), Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection, Subparts E, L, and Electrical, Subpart S. In addition, other topics may be included based on the major units of study or additional needs of company groups. This course is approved for S/U grading.

SAFE 1553 - GENERAL INDUSTRY SAFETY II (2)
This 30-hour program is intended to provide a variety of training on General Industry Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include such things are OSH Act, General Duty Clause 5 (a)(1), Inspections, Citations, and Penalties (CFR Part 1903), Walking and working Surfaces (Subpart D), Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection (Subparts E, L, and Electrical/Subpart S). In addition, other topics may be included based on the major units of study or additional needs of company groups. This course is approved for S/U grading.

SAFE 1554 - CONSTRUCTION INDUSTRY SAFETY II (2)
This 30-hour program is intended to provide a variety of training on Construction Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include General Duty Clause, Recordkeeping (29 CFR 1904, Subpart C: General Safety and Health provisions, Competent Person, STD 3-1.1 (Clarification of Citation Policy Regarding 29 CFR 1926.20, 29 CFR 1926.21 and Related General Safety and Health Provisions); Safety Programs, Electrical Subpart K, and Fall Protection, Subpart M. In addition, other topics may be included based on the major units of study or additional needs of company groups. This course is approved for S/U grading.

SAFE 1560 - PEC PREMIER CORE COMPLIANCE ORIENTATION (2-3)
This course is an orientation of basic safety policies and procedures, which many oil and gas operators/producers require in order to work on a well site. Using the PEC Premier Core Compliance Workbook, students will learn the basic occupational and safety requirements for many operator/producers, acceptable worksite policies and procedures, hazardous situations identification through video exercises, incidence reporting procedures, and emergency response plans. This course is approved for S/U grading.
SAFE 1561 - PEC PREMIER BASIC ORIENTATION (0.5)
SAFE 1565 - SAFETY & FUNDAMENTALS ED-TRAINING SAFETY (2)
Safety And Fundamentals Education - Training (S.A.F.E.-T) School, is a real-time, hands-on based training focusing on potential hazard identification and resolution designed to instruct new employees to teach proper lifting technics and safe rig-up and rig-down practices using industry approved best practices. Active role-play participation runs throughout the course, with job scenarios across a broad range of Product Service Lines (PSL). This course is approved for S/U grading.
Prerequisite: SAFE 1560.

SAFE 1580 - VISUAL EMISSIONS OPACITY EVALUATION (0.5)
This course (commonly referred to as Smoke School) provides necessary coursework and testing for a successful student to be awarded Trained Observer Certification in compliance with Environmental Protection Agency (EPA) Method 9. The course will have classroom and field visual opacity evaluation components. This course is approved for S/U grading.

SOC - SOCIOLOGY

SOC 1000 - SOCIOLOGICAL PRINCIPLES (3)
An introduction to the concepts, methods and applications of sociology. The course deals with topics such as culture, the group and the individual, socialization and sex roles, deviance and subcultures, social class, education and social mobility, inequality and poverty, racism and sexism, the family, religion, the economy and the policy.

SOC 1050 - SOCIOLOGY OF HUMAN SEXUALITY (3)
This is an interdisciplinary course designed to acquaint the student with major factors affecting human sexuality. Relevant research in biology, psychology, sociology and anthropology as well as religious and historical perspectives will be discussed. Primary focus is on American society.
Prerequisite: PSYC 1000 or SOC 1000.

SOC 2200 - SOCIOLOGY OF HUMAN SEXUALITY (3)

SOC 2325 - MARRIAGE AND THE FAMILY (3)
This course is designed to examine some important aspects of courtship, marriage and family life. Contemporary premarital and dating problems and adjustment, marital and domestic problems, family planning, the changing society will be among the topics considered.

SOC 2350 - RACE & ETHNIC RELATIONS (3)
This course examines social relations among majority and minority groups by devoting particular attention to race and ethnic relations in the United States. The sociological approach to this topic emphasizes power structures, economic relationships, and cultural traditions historically and today. Attention is devoted both to social psychological issues such as prejudice and social structural issues such as inequality.

SOC 2470 - INTERNSHIP: SOCIOLOGY (1-4)
Prerequisite: Instructor Permission.

SPAN - SPANISH

SPAN 1010 - FIRST YEAR SPANISH I (4)
This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. Note: A student who has successfully completed two years or more of high school Spanish with a "B" or better should not enroll in this beginning class.

SPAN 1020 - FIRST YEAR SPANISH II (4)
This course offers the fundamentals of grammar, composition, conversation and reading.
Prerequisite: SPAN 1010 or successful completion of two years of high school Spanish or the equivalent.

SPAN 1050 - CONVERSATIONAL SPANISH I (2)
This course will introduce the beginning student to the skills needed to be able to communicate orally in Spanish. The emphasis will be placed on developing listening and speaking proficiency. In addition, the student will learn about cultural differences which need to be considered when communicating with someone from a different country.

SPAN 1060 - CONVERSATIONAL SPANISH II (2)
This course continues to develop and enhance basic conversation in Spanish.
Prerequisite: SPAN 1050, SPAN 1010 or Instructor Permission.

SPAN 1070 - SPANISH FOR HEALTH CARE PERSONNEL (2)
This course is designed for students and professionals in the health care field. The course focuses on the communication skills and the specialized vocabulary needed to be able to communicate effectively with Hispanic patients. The students will also learn about cultural differences which need to be considered when communicating with someone from a different country.

SPAN 1075 - SPANISH FOR TRAVELERS (2)
This course will introduce the beginning student to the skills needed to be able to communicate orally in Spanish during their travels. The student will also learn about cultural differences, which need to be considered when traveling in a Spanish-speaking country.
SPAN 1080 - SPANISH FOR LAW ENFORCEMENT (3)
This course is designed specifically for law enforcement personnel with the overall goal of adequate comprehensive communication in Spanish. This course will focus primarily on verbal communication in forms of commands, questions and dialogue in work-related settings. Certain aspects of Hispanic culture will also be studied for a better understanding of the culture and language.

SPAN 2030 - SECOND YEAR SPANISH I (4)
This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.
Prerequisite: SPAN 1020 or successful completion of three years of high school Spanish or the equivalent.

SPAN 2040 - SECOND YEAR SPANISH II (4)
This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.
Prerequisite: SPAN 2030 or successful completion of four years of high school Spanish or the equivalent.

STAT - STATISTICS

STAT 2010 - BUSINESS STATISTICS (4)
This course is designed to provide majors in accounting, business administration, economics, management and marketing with training in basic statistical concepts with emphasis on applications to business programs. Credit cannot be earned in more than one of the following: STAT 2010, 2050, and 2070.
Prerequisite: MATH 1000 or higher, or placement in MATH 2200 via the COMPASS or ACT.

STAT 2050 - FUNDAMENTALS OF STATISTICS (4)
The presentation and application of statistical inference. Topics include measures of central tendency, variance and standard deviation, probability modes, inference for means, analysis of variance for one way classification and an introduction to linear regression and correlation. Credit cannot be earned in more than one of the following courses: STAT 2010, 2050 or 2070.
Prerequisite: MATH 1000 or higher, or placement in MATH 2200 via the COMPASS or ACT.

STAT 2070 - STATISTICS FOR SOC SCIENCE (4)
Presentation of central ideas of descriptive statistics and statistical inference, as applied to questions in the social sciences. Topics include graphs, averages, sampling, estimation, hypothesis testing and relationship between variables. Associated computer skills will also be introduced. Credit cannot be earned in more than one of the following courses: STAT 2010, 2050 or 2070.
Prerequisite: MATH 1000 or higher, or placement in MATH 2200 via the COMPASS or ACT.

TECH - TECHNOLOGY

TECH 1000 - INTRO TO TECHNOLOGY MATHEMATICS (3)
This first course in technical mathematics is intended for students with minimal mathematics background, who wish to prepare for further study in technical areas. Topics include algebra, geometry, measurements, proportions and applied trigonometry. Use of the hand held calculator is emphasized throughout the course.
Prerequisite: PreAlgebra COMPASS Score of 32 or higher.

TECH 1550 - GENERAL METALLURGY (3)
This course introduces the student to the mechanical, physical and chemical properties of metals and the methods by which these properties can be changed by alloying, heat treating and mechanical deformation.

TECH 1600 - INDUSTRIAL SAFETY (3)
This course will investigate several areas of occupational safety and industrial hygienics. Personal Safety including basic protection, safety hazards, safety equipment, lifting and good housekeeping; Fire Safety including fire chemistry, types of fire, portable and built extinguisher systems; Respiratory Protection including respiratory hazards, air purifying respirators and use and care of apparatus; Hazardous Substances including common industrial hazards such as corrosive, flammable, explosive, toxic, radiological and biological hazards.

TECH 1680 - READING TECHNICAL SCHEMATICS (3)
This course presents students with fundamental knowledge relative to reading and interpreting technical symbols used in industrial schematics. Specific topics addressed in this course are electrical, piping, and fluid power systems, and interpretation of basic assembly drawings.

TECH 1681 - READING TECH SCHEMATICS FOR IND (1)
This course presents students with fundamental knowledge relative to reading and interpreting technical symbols used in industrial schematics. This course concentrated on fluid power and electrical schematics.

THEA - THEATRE

THEA 1000 - INTRO TO THEATRE (3)
The introductory course in theatre, tracing the historical development of drama as an art form and examining, within a historical context, individual plays which represent major periods and types.

THEA 1025 - THEATRE ETHICS (1)
This course is a study of the natural laws of humanity and how they relate to an education and career in the theatre arts. Emphasis is placed on the development of long-term character habits based on these natural laws and not on quick-fix personality techniques. This course will not define how an individual should behave, but instead will teach theatre artists methods of moral judgment and character development that will lead to an effective and successful education and career.

THEA 1030 - WRITTEN THEORY I—MUSCTHEA MAJORS (3)
Corequisite: THEA 1035.

THEA 1035 - AURAL THEORY I—MUSCTHEA MAJORS (1)
Corequisite: THEA 1030.

THEA 1100 - ACTING (3)
The basic course in principles and practice of acting, examining the fundamental principles of oral and physical interpretation and providing practical experience in a variety of theatrical activities.

THEA 1110 - ACTING FOR MUSICAL THEATRE (3)
This course will introduce students to the theory and practice of acting in musical theatre. Topics of focus will be song interpretation, truthful acting, and auditioning for musical theatre.
Prerequisite: THEA 1100.
THEA 1120 - AMERICAN MUSICAL THEATRE HISTORY & LIT (3)
This course covers the origins and development of the musical from "The Black Crook" to the present. Emphasis is placed on the investigation of the structure of the musical, its components, and cultural connections.

THEA 1200 - INTRODUCTION TO STAGE DESIGN (3)
This course introduces and explores visual aesthetic principles as they relate to various aspects of stage design. Studio projects in scene, lighting, and costume design supplement lectures will be required. This course will satisfy the prerequisite for other design courses.

THEA 1300 - SOCIAL DANCE (1)
Socialization, play and fun are the basic elements essential to Social Dance and participation is considered more important than performance. Social dance is a form of silent language in that it tends to reflect, in music and movement, the mood of people. In this course, dances from seven periods which mark the progress of social dance will be explored.

THEA 1310 - CORE COND FOR WHOLE BODY CONNECTIVITY (1)
This class is an approach to basic body training involving the core muscles. Various methods of instruction will be incorporated throughout the class including: Pilates, Bartenieff Fundamentals, work with exercise-bands, exercise-balls, and the reformer. Students will participate in exercises that will increase strength and flexibility and they will gain an understanding of body awareness and connections in the body that will help relieve stress in various parts of the body due to over use and inefficient movement patterns.

THEA 1370 - SINGING FOR THE ACTOR I (1)
This course is the first in a two part series and will focus on relaxation, alignment, breath, and placement of resonance and articulation (vowel and consonant execution). This course will create an atmosphere in which the student will be able to form confidence in their personal abilities to sing. These personal abilities will be enhanced as the student learns to apply the fundamental techniques of singing. This course will also teach the student versatility and clarity in several styles of music theatre material.

THEA 1374 - SINGING FOR THE ACTOR II (1)
This course is the second in a two part series and will focus on song interpretation (paraphrasing, subtexting, given circumstances, emotions, images, objectives and obstacles). The singing fundamentals learned in the first part of the series (relaxation, alignment, breath, and placement of resonance and articulation) will continue to be employed throughout this course. This course will facilitate an atmosphere in which the student will be able to form confidence in their personal abilities to act while singing. These personal abilities will be enhanced as the student learns to apply song interpretation and articulation technique to the fundamental techniques of singing. Finally, this course will prepare a student to successfully perform songs within various styles and contexts.

THEA 1410 - BALLET I/I (1)
Introduction to the fundamentals of ballet technique utilizing barre work, center work, and basic ballet terminology. May be used for fine arts credit.

THEA 1420 - BALLET I/I (1)
Continuation of the study of fundamental ballet techniques utilizing barre work, center work, basic enchainments, and basic ballet terminology. May be used for fine arts credit. Prerequisite: THEA 1410 or Instructor Permission.

THEA 1430 - MODERN DANCE I/I (1)
Exploration of the fundamentals of modern dance with emphasis on locomotor movement and quality of movement. May be used for fine arts credit.

THEA 1440 - MODERN DANCE I/II (1)
Continued exploration of basic modern dance techniques emphasizing strength, flexibility, shape, dynamics, and rhythmic awareness. May be used for fine arts credit. Prerequisite: THEA 1430 or Instructor Permission.

THEA 1450 - TAP DANCE (1)
The study of basic tap steps with emphasis on rhythmic accuracy and clarity of tap sounds. May be used for fine arts credit.

THEA 1460 - MUSICAL THEA VOCAL ENSEMBLE (1)
Prerequisite: Instructor Permission.

THEA 1480 - JAZZ DANCE I (1)
Exploration of the fundamentals of jazz dance techniques with emphasis on rhythm and style. May be used for fine arts credit.

THEA 1500 - DANCE PERFORMANCE (2)
This course provides production and performance experience in concert dance and musical theatre. Students may also have the opportunity to experiment with their own choreography. May be four times for credit.

THEA 2100 - ACTING II (3)
This course will continue to use "you" (yourself) as the source and foundation of true emotion and behavior. Skills of relaxation, trust, observation, substitution, sense memory, emotional memory, imagery, inner objects, professionalism, concentration, actor scoring, script analysis, and believability will be examined more thoroughly than in Beginning Acting through participation in class acting exercises, monologue and scene work, analysis and improvisation. Emphasis will be placed on learning multiple approaches to organic character development and relationship. Specific topics of study include: energy, connection, breath, spatial awareness, inner objects, endowing, the "moment before", centers, physicality, animal work and other image based characterization, and improvisation. Prerequisite: Take THEA 1100.

THEA 2110 - ACTING FOR MUSICAL THEATRE II (3)
This course will provide a more thorough study and application of a musical theatre performer's tools. Students will learn to perceive and project detailed aspects of vocal, physical, and psychological performance energies in musical theatre contexts. Prerequisite: Take THEA 1110.
THEA 2125 - BEGINNING SCENIC DESIGN (3)

This course will prepare the student to understand the fundamentals of scenic design and how computer technology can help with the design process. This study will start with the research process and work through the entire design process. Following that, the course will cover the responsibilities of the scenic designer throughout the build and rehearsal process. Finally this course will help students learn the collaboration process as well as the communication required in theatre. Topics will include research process, concepts, design elements, computer drafting, renderings, model making, and technical rehearsals.

Prerequisite: THEA 1200 or Instructor Permission.

THEA 2145 - COSTUME CONSTRUCTION (2)

This course emphasizes techniques for costume construction, both machine and hand sewing, and sergers. Students will learn pattern layout and alterations, basic costume alterations, taking measurements of an actor to successfully build a costume, and making a basic item of clothing.

THEA 2150 - STAGE MANAGEMENT (3)

This course is a practical study of the art of stage management. Techniques necessary for efficient theatre production and a conceptual overview of the rehearsal and performance process will be stressed. This course will prepare the student to work as a stage manager in any performing arts setting, including preproduction work, how to run the rehearsal process and the responsibilities of the stage manager during a performance. Finally the course will cover human behavior within a theatre organization and will help develop the student's ability to manage such an organization. Topics will include production research, planning, organization, auditions, rehearsal rules, managing rehearsals, information distribution, technical and dress rehearsals, preperformance preparation, running a show, organizational structure and human behavior.

THEA 2160 - STAGE MAKE-UP (2)

This class is designed to teach students fundamental techniques in stage make-up design and application.

THEA 2165 - BEGINNING DIRECTING (3)

This course provides an analysis and application of the techniques of theatrical directing. The course will be divided into two parts: working with actors, and the interpretive process. Topics include creating ensemble, rehearsal methods, director values and concept, casting, staging, script selection, analysis, and factors of preparing a production. Upon completion, students should be able to plan, execute, and critically discuss student-directed scenes.

Prerequisite: Take THEA 1100.

THEA 2175 - BEGINNING COSTUME DESIGN (3)

This course will prepare the student to understand the fundamentals of costume design starting with the research process and working through the entire design process. Following that, the course will cover the responsibilities of the costume designer throughout the build and rehearsal process.

Prerequisite: THEA 2145 and THEA 1200.

THEA 2185 - PERIOD STYLES (3)

This course is a historical survey in the developments of dress, decor and architecture of western civilization from antiquity to modern age.

THEA 2212 - DANCE IMPROVISATION (2)

A study of fundamental concepts in dance improvisation and exploration of movement through spontaneous problem-solving. The course is designed to evoke the student's creative individuality and sense of ensemble through individual as well as partner and group exercises.

THEA 2215 - DANCE COMPOSITION (2)

A study of fundamental concepts in dance composition. Dynamics, rhythm, design, motivation, gesture and improvisation are explored as basic elements for building dance. May be used as fine arts credit.

Prerequisite: THEA 2212 or Instructor Permission.

THEA 2220 - STAGECRAFT (3)

A study of fundamental skills and concepts necessary to create a theatrical environment utilizing image and function.

THEA 2230 - STAGE LIGHTING (3)

A study of stage lighting equipment and basic design concepts for lighting a play.

THEA 2250 - COMPUTER AIDED DESIGN I (3)

This course will introduce students to computer programs commonly used in designing for the theatre stage. Students will learn to use tools of selected software programs to create groundplans, elevations and lightplots. Students will also learn to create a 3-dimensional representation of a groundplan, export a drawing from software into a 3-dimensional rendering program, and create and manipulate textures to be applied to the design.

Prerequisite: COSC 1200, may be taken concurrently.

THEA 2252 - DRAFTING & RENDERING FOR THEATRE (3)

This course focuses on developing hand drafting, drawing and rendering techniques used in the various areas of design in theater.

THEA 2270 - BEGINNING LIGHTING DESIGN (3)

This course will prepare the student to understand the fundamentals of lighting design starting with the research process and working through the entire design process. Following that, the course will cover the responsibilities of the lighting designer throughout the build and rehearsal process.

Prerequisite: THEA 2230 and THEA 1200.

THEA 2370 - SUMMER THEATRE (1-6)

This course will focus on the preparation and presentation of several plays for the College's summer stock theatre company. Students enrolling in this class will participate in all phases of production in the summer stock theatre company. Company members will be responsible for all technical and management preparations of the productions. They will also be performing in or running each production. Additionally, these students will work with youth in the preparation of a youth production.

Prerequisite: By Audition Only.

THEA 2410 - BALLET III/I (1)

The study of beginning/intermediate ballet technique introducing grand allegro, turns and adagio combinations. May be used for fine arts credit.

Prerequisite: THEA 1420 or Instructor Permission.
THEA 2420 - BALLET II/II (1)

The study of beginning/intermediate ballet technique with increased emphasis on center floor combinations including petite allegro, grand allegro, traveling turns, and adagio. May be used for fine arts credit.
Prerequisite: THEA 2410 or Instructor Permission.

THEA 2430 - MODERN DANCE II/II (1)

The study of intermediate modern dance techniques with emphasis on complex combinations and increasing physical demands on the body. Four laboratory hours per week. May be used for fine arts credit.
Prerequisite: THEA 1440 or Instructor Permission.

THEA 2450 - TAP DANCE II (1)

This course will build on the basic steps and use more complex rhythms. Improvisation will be used to help the dancer hear and duplicate rhythms. The emphasis will continue to be on the rhythmic accuracy and clarity of tap sounds.
Prerequisite: THEA 1450

THEA 2471 - THEATRE & DANCE PRACTICUM I (1)

This course provides practical experience for students interested in participating in college-sponsored theatre and dance activities and production. Areas of interest include acting, dancing, singing, stagecraft, lighting, costumes, props, and other technical support. Students will be required to perform at least 30 lab hours for each credit hour. May be taken four times for credit.

THEA 2472 - THEATRE & DANCE PRACTICUM II (2)

This course provides practical experience for students interested in participating in college-sponsored theatre and dance activities and production. Areas of interest include acting, dancing, singing, stagecraft, lighting, costumes, props, and other technical support. Students will be required to perform at least 30 lab hours for each credit hour. May be taken four times for credit.

THEA 2473 - THEATRE & DANCE PRACTICUM III (3)

This course provides practical experience for students interested in participating in college-sponsored theatre and dance activities and production. Areas of interest include acting, dancing, singing, stagecraft, lighting, costumes, props, and other technical support. Students will be required to perform at least 30 lab hours for each credit hour. May be taken four times for credit.

THEA 2480 - JAZZ DANCE II (1)

Prerequisite: THEA 1480 or Instructor Permission.

THEA 2500 - THEATRE PORTFOLIO (1)

This course will provide students with the opportunity to prepare a comprehensive portfolio which may help them transfer to another college or gain employment. Students will also complete a project in their primary area of emphasis with a final presentation juried by faculty within the selected discipline. This course does not fulfill the WWCC Assessment requirement for graduation.
Prerequisite: Must have completed 45 credit hours toward an AFA or AA degree.

THEA 2610 - SOUND REINFORCEMENT I (2)

This course is the introduction to the theory, techniques, and equipment used in sound reinforcement. Skills will be developed through theory and application discussion, as well as hands-on training with professional sound equipment. Projects will include setting up and running an audio reinforcement system.

THEA 2615 - SOUND DESIGN (2)

This course will prepare the student to understand the fundamentals of sound design and how to use computer software in that process. This study will start with the research process and work through the entire design process. Following that, the course will cover the responsibilities of sound designer throughout the design and rehearsal process. Finally, this course will help students learn the collaboration process as well as the communication required in theatre. Topics will include the history of sound, the future of sound, research process, concepts, design elements, special effects, and technical rehearsals.
Prerequisite: THEA 1200 or Instructor Permission.

THEA 2810 - SCENIC PAINTING FOR THE THEATRE (3)

This course is the introduction to the theory, techniques, and mediums that are used in scenic shops. Students learn the collaboration process as well as the communication required in theatre. Topics will include the history of paint, the future of paint, research process, concepts, design elements, special effects, and technical rehearsals.

THEA 2971 - TECHNICAL THEATRE INTERNSHIP (1-4)

This course will provide practical technical theatre work experience. Students enrolling for this course will be trained and will work in the theatre doing lights, set, sound, costume, props, and rigging assignments. Interns will also be responsible for preparing and running the technical aspects of every event in the theatre.

THEA 2972 - THEATRE MANAGEMENT INTERNSHIP (1-4)

This course will provide practical theatre management experience. Students enrolling for this course will be trained and will work in the theatre office doing publicity, tour planning, events coordination, house management, patron donations, box office, book keeping, payroll, requisitions, recruiting, soliciting advertisements, program compilation, correspondence and/or other secretarial work.

THEA 2973 - REHEARSAL ACCOMPANIST INTERNSHIP (1-4)

This course provides practical experience working as a rehearsal accompanist for the musical theatre program at the college. Students enrolling in this course will be trained in accompaniment skills and will play piano for private rehearsals and in-class work for students or for main stage production rehearsals. Through this experience the student will learn about and prepare themselves for a valuable career option. May be taken up to six times for credit. Only six internship credits allowable toward graduation.
TDD - TRUCK DRIVER TRAINING

TDD 1500 - NOVICE CDL TRAINING (5)

This course prepares the student to take the state required CDL test. It is designed primarily for the energy service industry. On and off highway terrains are utilized as well as late model tractors and loaded trailers, tankers, and high center point of gravity loads may be used in training. Simulation may also be used to replicate dangerous, expensive, or hard-to-duplicate scenarios. Upon completion of this course, students must make arrangements to take the DOT test to be issued their commercial driver's license. This course is approved for S/U grading.

WELD - WELDING

WELD 1710 - OXYACETYLENE WELDING (2)

The student will develop welding safety and good shop practice skills. Topics of study include: Oxyacetylene welding and brazing of mild steel; Oxyfuel Safety; Oxyfuel Welding and Brazing Equipment and Oxyfuel Welding and Brazing Performance tasks.

WELD 1715 - OXYACETYLENE CUTTING (1)

Topics of study include Oxyacetylene cutting of circles, bevel edges, straight cuts and free-hand pipe beveling. Flame cutting equipment techniques will be taught using a hand-held cutting torch, a straight line track burner, and a coordinate shape cutter.

WELD 1755 - SHIELDED METAL ARC WELDING (3)

The student should be able to discuss SMAW, its processes and principles; have a basic knowledge of welding power supplies, tools and equipment and be able to discuss electrical safety. Topics of study include an introduction to welding, principles of arc welding and shielded metal arc electrodes.

WELD 1760 - ADV. SHIELDED METAL ARC WELDING (3)

The student should be able to weld tee joints in the horizontal position using E-7024 welding electrodes as well as single and multi-pass welds in the vertical-up and overhead positions using E-6010 and E-7018 welding electrodes. The student will become familiar with arc-air cutting and gouging techniques.

Prerequisite: WELD 1755 or Instructor Permission.

WELD 1770 - GAS METAL ARC WELDING (3)

The student will learn the processes and principles of GMAW and FCAW. The student will be able to differentiate between short-circuit and spray-arc transfer, and know the different types of electrode wires and shielding gases used in GMAW and FCAW. The student will use short-circuit, dual shield, and the flux cored processes for welding tee joints, V-groove butt joints on mild steel and aluminum.

Prerequisite: WELD 1840 or Instructor Permission.

WELD 1774 - GAS METAL ARC WELDING - PIPE (3)

The student will learn the techniques necessary to create full penetration welds on schedule 40 carbon steel pipe in all positions using the Gas Metal Arc process with ER70S filler metal with a 75%/25% Argon/CO2 shielding gas.

Prerequisite: WELD 1770 or Instructor Permission.

WELD 1776 - FLUX CORED ARC WELDING- PIPE (3)

The student will learn the techniques necessary to make code quality FCA welds on pipe in all positions using GMAW root and hot passes and FCAW on the remaining fill and cap. Such welds will be made on 6” schedule 80 pipe or larger. E70-T1 or equivalent will be used as the filler metal with a 75%/25% Argon/CO2 shielding gas.

Prerequisite: WELD 1774 or Instructor Permission.

WELD 1780 - GAS TUNGSTEN ARC WELDING - PLATE (4)

12/03 Course title and description changed The student will learn the processes, principles and equipment involved in Gas Tungsten Arc Welding. The student should be able to discuss electrical safety in GTAW, how to properly handle welding and cooling systems, and solve problems concerning GTAW. Topics of study include GTAW welding on carbon steel, stainless steel and aluminum plate using 16 gauge and 3/8” mild steel plate.

Prerequisite: WELD 1840 and WELD 1950 or Instructor Permission.

WELD 1840 - GROOVE WELDING PLATE (3)

The student will learn to weld open Single V-groove butt joints in the flat, horizontal, vertical-up and overhead position with and without backing strips. Students will use E-6010 welding electrodes for root beads and E-7018 welding electrodes for fill and cap. Students will learn to prepare bend test specimens for destructive testing and be given an opportiunity to certify upon completion of this course.

Prerequisite: WELD 1760 or Instructor Permission.

WELD 1860 - WELDING FABRICATION (3)

This course is designed to provide skills and knowledge for structural steel and some pipe layout. Students will draft their own projects, learn and identify welding and drafting symbols. Students will also learn to record time spent on a project and as well as the total cost of the project. Taught in Outreach only.

Prerequisite: WELD 1755 and WELD 1760 or Instructor Permission.

WELD 1950 - SMAW STAINLESS STEEL BASIC (3)

12/03 CHANGE IN CREDIT FROM 2 to 3 This course is intended to introduce the student to the basics of shielded metal arc welding (SMAW) of Stainless Stell welding on plate. The course includes an introduction to the AWS electrode classification system for stainless steel covered electrodes, their characteristics and uses.

Prerequisite: WELD 1760 or Instructor Permission.

WELD 1960 - SUBMERGED ARC WELDING (2)

Students will learn the basics of the Submerged Arc Welding Process. Topics include; SAW processes and safety, SAW power sources and equipment, SAW electrodes and fluxes and SAW procedures and joint designs.

Prerequisite: WELD 1774 and WELD 1776 or Instructor Permission.
WELD 2510 - PIPE WELD I: SCHEDULE 40 (3)
This course is intended to teach the student the basics of SMAW welding on pipe in the 2G, 5G vertical-up and 6G vertical-up positions. The student will learn to differentiate between basic categories of pipe welding, select proper electrodes for pipe welding, discuss joint preparation and learn methods for destructive and non-destructive pipe testing. E-6010 welding electrodes will be used on root beads and E-7018 will be used on the fill and cap passes. Students will be given an opportunity to pass a pipe weld certification test upon completion of the course.
Prerequisite: WELD 1840 or Instructor Permission.

WELD 2520 - PIPE WELD II: SCHEDULE 80 PIPE (3)
This self-paced course is offered all semesters as both a day and an evening class, and students employed in shift work may attend either session. Topics of study include welding to specifications V-groove joints on schedule 80 pipe in the 2G, 5G and 6G positions. The SMAW process will be used and E-6010 will be used on the roots and E-7018 will be used on all filler passes. All welding in this block will be done in the vertical up and horizontal up method. All welds will be tested with the destructive bend tester and the tests for certification may also be radiographed.
Prerequisite: WELD 2510 or Instructor Permission.

WELD 2530 - DOWNHILL PIPE WELDING (3)
The student will weld to specifications Vee-groove butt joints in the 2G, 5G vertical-down and the 6G vertical-down positions. The E-6010 electrode will be used for the root pass and when required, for the hot pass. E-7010, or 70+(E-8010), will be used for the fill and cap passes. Performance tests in this course will be conducted to the specifications of the American Petroleum Institute’s 1104 code procedures.
Prerequisite: WELD 1840 or Instructor Permission.

WELD 2540 - PIPE LAYOUT AND FABRICATION (4)
The student will learn to calculate run, set and travel for pipe runs, rolling offsets, two-piece parallel offsets and other pipe run configurations. The student will learn to use the framing square, the pipe wrap-around, two hole pins and other pipe fitting tools to layout, fit up and tack weld pipe assemblies. The student will use the hand-held cutting torch to make bevel cuts that require extreme accuracy.
Prerequisite: WELD 2520 or Instructor Permission.

WELD 2560 - GAS TUNGSTEN ARC WELDING -- PIPE (3)
Topics of study include (GTAW) tungsten welding on schedule 40 - 2" pipe and schedule 80 - 6" pipe. Both sizes of pipe will be welded in the 2G, 5G and 6G positions. Root and hot passes will be welded with heliarc and the remaining passes with 7018.
Prerequisite: WELD 1780 or Instructor Permission.

WELD 2560 - STAINLESS STEEL PIPE WELDING (3)
COURSE TITLE DESCRIPTION CHANGED 12/03 The student will learn the procedure for GTAW of stainless steel on carbon steel 8" pipe for the root and the second pass, and SMAW stainless steel for the remainder of the filler passes and cap. The student will also learn other welds on 6" pipe done using the GTAW process with stainless steel all the way out. Welds will be made in the 2G, 5G, and 6G positions.
Prerequisite: WELD 2560 or Instructor Permission.

WELD 2570 - WELDING INSPECTION TECHNOLOGY (4)
The purpose of this course is to give the student a basic understanding of weld inspection procedures, welding codes and standards, destructive and non-destructive inspection techniques and the preparation of supporting documents.
Prerequisite: WELD 1840 or Instructor Permission.

WELD 2580 - CERTIFICATION TEST TRAINING (0.5)
This course is an introduction to the proper techniques and practices needed to meet the requirements of Weld Certification Testing.
2012-2013 FACULTY AND ADMINISTRATION

ALLEN, Jennifer
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M.S. – Utah State University
M.S. – Eastern Michigan University

CLARK, Sarah
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B.S. - Montana State University

CLARK, William
Assistant Professor of Biology
A.A.S. – Pierce Community College
B.S. – Central Washington University
M.S. – North Dakota State University
Ph.D. – North Dakota State University
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<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>University/Country</th>
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<tr>
<td>CONOVER, Dustin</td>
<td>Director of Residence Halls and Student Life</td>
<td>A.A. - Western Wyoming Community College</td>
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<td>CRITCHFIELD, Amy</td>
<td>Technical Director of Theatre/Assistant Professor of Theatre</td>
<td>B.A. - Eastern Washington University</td>
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<td>CROSS, Allyson</td>
<td>Coordinator of Marketing and Public Information</td>
<td>B.S. - Colorado State University</td>
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<td>DANIEL, Jeannette</td>
<td>Associate Professor of Nursing-Outreach</td>
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<td>DAVIS, Steven</td>
<td>Financial Aid Officer</td>
<td>B.S. - Mount Marty College</td>
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<td>DRANE, Kim</td>
<td>Director of Student Development Center</td>
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<td>ETHIER, Marlene</td>
<td>Director of Nursing Program</td>
<td>B.S.N. - University of Wisconsin-Eau Claire</td>
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<td>FERRERO, Ignacia</td>
<td>Assistant Professor of Spanish</td>
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<td>FETZ, Bart</td>
<td>Instructor of Ceramics/3D Design</td>
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<td>FLAIM, Karen</td>
<td>Disability Support Services Specialist/Testing &amp; Internship Coordinator</td>
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<td>FORREST, Charity</td>
<td>Associate Professor of Biological Sciences</td>
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<td>FREEZE, Jackie</td>
<td>V.P. for Student Success Services</td>
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<td>GARDNER, A. Dudley</td>
<td>Professor of History/Political Science</td>
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<td>GEARUP Assistant Coordinator</td>
<td>B.S. - University of Wyoming</td>
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<td>HAFNER, Cindy</td>
<td>Aquatics Center Manager</td>
<td>A.S. - Casper College</td>
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<td>HARTON, Dorothy</td>
<td>Assistant Professor of Health and Physical Education</td>
<td>B.S. - Tusculum College</td>
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<td>HESTER-CROFF, Carla</td>
<td>Assistant Professor of Information Technology</td>
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<td>HICKMAN, Melinda</td>
<td>Associate Professor of Business</td>
<td>B.A. – Southwestern University</td>
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<td>Instructor of Automotive Technology</td>
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<td>HOLLOWAY, Martha</td>
<td>Professor of Music</td>
<td>B.M.E. - Greensboro College</td>
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<td>JOHNSON, Nancy</td>
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</table>
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<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s) and Specializations</th>
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<tbody>
<tr>
<td>CHEEZUM, Sarah</td>
<td>A. S. - Western Wyoming Community College, Math</td>
</tr>
<tr>
<td>CHEW, Laura</td>
<td>B. S. - University of Wyoming, Math</td>
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<td>CHERVA, Aldena</td>
<td>M. S. - University of Wyoming, Math</td>
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<td>ESL/Basic Skills</td>
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<td>Physical Activity</td>
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<td>CISCAR, Maryls</td>
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<td>CLAMAN, Dennis</td>
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<td>CLARK, Chris</td>
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<td>CLARK, Jessica</td>
<td>History, Political Science</td>
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<td>PRATT, John</td>
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<td>SHAFE, Teresa</td>
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<td>SMITH, Barbara</td>
<td>English</td>
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</tbody>
</table>

**Adjunct Faculty**

- ALLEN, Clay, Welding, Physical Education, Anthropology
- BALSER, Suzanne, Theatre
- BATES, Russell, Computer Applications
- BEVELL, Trace, Math
- CALDWELL, Sandra, Math/Physical Education
- CAMPPELL, Ryan, English
- CARTER, Rick, Physical Education
- CHAMBERS, Phil, Music
- CHENEY, Rose Marie, Math
- CHEN, Business
- CHEW, Laura, ESL/Basic Skills
- CHEEZUM, Sarah, Physical Activity
- CISCAR, Maryls, Music
- CLAMAN, Dennis, Criminal Justice
- CLARK, Chris, Physical Activity
- CLARK, Jessica, History, Political Science
- CLARK, Christopher, Electrical
- CONOVER, Dustin, Spanish
- DAVIES, Leslie, Library Science
- DeWICK, Carlen, Automotive
- DOAK, John, Electrical
- DOAK, Terrie, Computer Applications
- DRAKE, Kim, Human Development
- FAERBER, Gerald, Chemistry
- FAHLSING, Sue, Learning Center, English
- FEDRIZZI, Marilyn, Anthropology
- FISCHER, Julie, Learning Center
- DOAK, John, Electrical
- DOAK, Terrie, Computer Applications
- DRAKE, Kim, Human Development
- FRERICKS, Maggie, Computer Applications
- GAMBLE, Rhonda, Communications
- GILBERT, Kathy, Communications
- GIOVALE, Bridget, Psychology
- GORDON, Dustin, Chemistry
- GROSSNICKLE, Laura, Communications
- GRUBB, Jason, Philosophy
- GUTIERREZ, Dave, Art/Communications/English
- HAFNER, Cynthia, Health Ed, Physical Activity
- HAGER, Rick, Physical Activity
- HARRYMANN, Carlos, Photography
- HEMKER, Cathy, Education
- HISSONG, Jim, Political Science
- HUEBNER, MaryAnn, Business
- HUMPHREys, Kelly, Health Education
- JACOBSEN, Christine, Music
- JENSEN, David, Music
- JOHNSON, Nancy, Computer Applications, P.E.
- JUMP, David, Health Education
- KILLION, Judith, English
- Kluthe, Nathan, Theatre
- KNAPP, Doug, Music
- KOURBELAS, Neil, Math
- KOZAKAVICH, Stacy, Anthropology
- LEGERSKI, Anthony, Communications
- LEUM, Kay, Physical Activity
- McClure, Anna, Computer Science
- MEASLES, David, Music
- MEDLER, Jason, Physical Activity
- MELSON, Curtis, Math
- MIZER, Robert, Criminal Justice
- MORITSEN, John, Machine Tool
- NELSON, Albert Russell, Anthropology
- NELSON, Lynette, Music
- NEWSOM, Mark, Physical Activity
- NG. Paul, Photography
- OVERY, Michael, Electronics/Electrical
- PEEK, Michael, Math
- PETERSON, Jon, Mining
- POLLARD, Lisa, History
- POOLE, John, English, Education
- PRATT, John, Env. Science & Physical Activity
- RAEBENS, Julie, Music
- RASMUSSON, Rodney, Engineering Science
- REMBACZ, Mark, Human Development/Phys. Education
- RENZ, Dianna, Human Development
- RILEY, Christina, Sociology
- ROBISON, Robin, Accounting
- SARCOLETTI, Joey, Physical Education
- SCHULTZE, Jamie, Physical Activity
- SCHUTTEN, Michelle, Computer Apps, Hum Dev
- SING, Ed, Welding
- SHAFE, Teresa, Computer Applications
- SMITH, Barbara, English
STEHPENS, Lyndmyla, Mathematics
STIRLING, Karla, Communications
TANNER, Brian, Mathematics
TOLHURST, Rebecca, Human Development
VALENTINE, Judy, Emergency Management
VASE, Michael, Physical Activity
VISHNU-MACK, Marissa, Psychology
WASHBURN, Jerrid, Music
WEIMER, Jack, Physical Activity
WEISS, Vincent*, Theatre
WILLIAMSON, Amy, Education
ZERGER, Bret, Human Development

Advisory Councils

Accounting
Kevin Heyborne, CPA – Heyborne Radakovich
Kerry Richards, CPA
Josh Johnson, FMC
Anne Shipman, WWCC
Robin Robison, self-employed
Mark Atkinson – Wyoming SBDC

Automotive/Alternative Fuels
Jesse Coombs, Whisler Chevrolet
George Czapskie, Rock Springs High School
Ron Walker, Questar
Delbert Kroupa, Questar
Mike Hesse, Bridger Coal
Dean Parker, Freemont Motors
Jason Parker, RS Honda Toyota
Jim Richardson, Chester's Automotive
Pete Leibee, Pete's Auto
Mike Collins, First Choice Ford
Will Hensley, Freemont Motors
Jana Erickson, Rock Springs High School
Wayne Moses, Rock Springs Honda Toyota
Nate Penn, Green River High School
Chris Bordeaux, Great Western Nissan
Nick Griffin, First Choice Ford
Steve Spence, Bridger Coal Company
Julie Michel
David Chapman, WYDOT
Chris House, Encana
Jeff Strange, Encana
Scott Nelson, Whisler Chevrolet

Early Childhood Education
Jamie Brady, Headstart
Emily Conk, Headstart
Karen Ennis, Headstart
Ruby Wilkinson, Rock Springs High School
Nadine Lovell, WWCC student
Amy Williamson, WWCC Children's Center Director
Trista Kronfuss, WWCC student

Exercise Science
Karen Weidie, Anytime Fitness
Floyd Huxford, Huxford Chiropractic
Daren Martin, Alliance Physical Therapy
Jeanine Cox, Young at Heart Senior Citizen Center
Alyssa Krumholz, City of Green River Recreation Center

Electrical Instrumentation
Sherry Frolic, Solvay
James Wagner, Solvay
Shawn Marshall, Solvay
Stan Carrick, Tata
James Rogers, Tata
Bob Pennington, Tata
Dave Bernalis, OCI
John Merhar, OCI
Scott Leffers, OCI
John Mortensen, PacifiCorp
John Sparks, PacifiCorp
Mark Hokansen, PacifiCorp
Rod Hensley, PacifiCorp
Mike Hesse, PacifiCorp
Mike Tervort, FMC
Scott Lee, Simplot

Industrial Maintenance
Mike Hesse, Pacificorp
Adrian Parkyn, FMC
Amanda Debernardi, Keiwitt
Bob Pennington, General Chemical
Brandon Sabey, Solvay
Brian Johnson, Kiewitt
Clay Baird, Redi Services
Dave Palinek, General Chemical
Dave Ziegler, OCI
Dennis Brady, OCI
Elwood Birch, OCI
Gary Slough, General Chemical
Greg Fischer, General Chemical
Jason Bartlett, Solvay
Jim Seely, PacifiCorp
Jim Wagoner, Solvay
Joe Gutierrez, Solvay
John Mortensen, PacifiCorp
John Owens, OCI
John Sparks, PacifiCorp
JT Price, Church Dwight
Larry Jeffries, General Chemical
Lowell Burris, FMC
Michael Shauers, FMC
Neil Johnson, Kiewitt
Paul Parker, Church Dwight
Ray Petty, Church Dwight
Reed Robbins, OCI
Richard Skocz, FMC
Rod Hensley, PacifiCorp
Scott Lee, Simplot
Shawn Marshal, Solvay
Stan Carrick, General Chemical
Valerie Fieseler, PacifiCorp

Natural Gas Compression Technology
Bart Page, Exterran
Kurt Surbeck
Rick Moore, Anadarko
Dwight Schneider, Encana
Leslie Batye, Encana
Corey Gale, Questar
Terry Seip, Questar
Jim Druce, Questar
Mark Ransdell, Questar
Richard Beck, Williams
Lynn Chadey, Williams
Michelle Price, Exterran
Steve Seitz, Ignition Systems
Mark Worrell
Nursing
Betty Ritter, RN, Sageview Care Center
Kathy Kumer, RN, Castle Rock Conv. Center
Alice Snyder, RN, Memorial Hospital of Sweetwater County
Janet Gerken, RN, Community Nursing
Mari Lou Granthorn, RN, School District #1
Rhiannon Sturlaugson, RN, Castle Rock Medical Center
Kimberly Flor, RN, Rocky Mt. Home Health
Starla Yerkovich, CNM, College Hill Women’s Health Center
Jessie Wilcox, RN, Rocky Mt. Home Health
Teddi vanKam, RN, Hospice of Sweetwater County
Teri Facinelli, RN, Hospice of Sweetwater County
Melissa Marroquin, RN, Best Home Health
Melissa Anderson, Sweetwater County Detention Center
Karen Schanno, Young at Heart Home Health

Evanston
Donna Aspuria, RN, Wyo State Hospital
Darin Linford, RN, Evanston Regional Hospital
Mark Wagstaff, RN, Rocky Mountain Care Inc.
Carol Wolfe, RN, Mtn. Regional Services, Inc.
Leann Morey, Uinta School District #1
Patricia Arnold, Uinta County Public Health
Kemmerer
Kathi Parks, RN, So. Lincoln Hosp. District

Rawlins
Gwen Gale, RN, So. Cen. Healthcare Rehab Center
Wendy Thorvaldson, RN, Memorial Hospital of CC
Julia Rodriguez, RN, CC School District #1
Penny Kramer, Carbon County Jail

Office Information Systems
Elwood Birch, OCI
Shelia Simpson, OCI
Jana Erickson, Rock Springs High School
Joye Poulson, Pitt Construction
Judge Victoria Schofield, Circuit Court of Sweetwater County
Mickey Kleinman, School District #2
Kay Cooley, WWCC
Gregory Harrell, Wells Fargo Financial
Katrina Drinkle, Williams Field Services
Vickie Bostick, Tegeler Associates
Josh Johnson – FMC

Oil and Gas Production Technology
Jerry Austin, BP
Vance Hixon, BP
Lynne Chadey, Williams
Pete Torres, Williams
Steve Christiansen, Questar
Murray Hartford, Western Gas
Dave Hatfield, Western Gas
Chris House, EnCana
John Schmidt, EnCana
Dennis Jereb, Anadarko
Fred Martinez, Basic Energy Services
Dave Maslowski, Chevron
Richard McDonald, Halliburton
Deena McMullen, Shell
Mike Ziegenfelder, Shell
Terry Nimmo, Wexpro

Web Development Digital Design
Carolyn Murie, Model Sign
Lisa Porter, Porter Web Design
Margaret Parry, Bottom Line Marketing
Rick Milonas, CJ Signs
Brittany Flores, StandOut Designs

Welding Advisory Council
Rich Antila, Simplot
Mark Erickson, RSHS
Tim Gorman, Certified Welding Inspector
John Isaacson, AirGas
Reed Robbins, OCI
Mike Hesse, Bridger Coal
Brandon Sabey, Solvay

Oil Gas Electrical Advisory Council
Jeff Halter, Newfield Production
Robert VanRiper, EnCana
Reese Platzer Jr., Enterprise Products
Mark Vickery, Exxon Mobil
Steve Kizire, Exxon Mobil
Don Andersen, Exxon Mobil
Steve Christiansen, Questar
John Brewer, Shell
Rod Barta, Shell
Jim Neal, BP
Lynne Chadey, Williams
Travis Nielson, Williams
Neal Redden, Williams,
Carl Wilmarth, LaTech Equipment
Kevin Hayward, PCE Pacific
Mel Olson, PCE Pacific
Orin Winders, Pure Automation
Gary Cukale, Pure Automation
Western Wyoming Community College
Campus Map

Key:

★ Information/Admissions
■ Interior directory locations
▲ Elevator

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P.O. Box 428
Rock Springs, Wyoming 82902-0428
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FAX (307) 382-1636
www.wwcc.wy.edu
registrar@wwcc.wy.edu

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Rock Springs, WY 82902-0428

(307) 382-1600 or (800) 226-1181