Table of Contents

Academic Calendar .......................................................................................................................... 2
General Information .......................................................................................................................... 4
Student Services .............................................................................................................................. 8
Academic Policies .......................................................................................................................... 28
Your Education After Western ......................................................................................................... 33
Graduation, Degrees, and General Education .................................................................................. 34
General Education .......................................................................................................................... 37
Academic Programs .......................................................................................................................... 41
Programs of Study ........................................................................................................................... 44
Courses ........................................................................................................................................... 102
2018-2019 Faculty and Administration ............................................................................................ 156
# GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Event/Date</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Faculty In-Service</td>
<td>August 16, 17 &amp; 20, 21, Thursday - Tuesday</td>
</tr>
<tr>
<td>In-Service</td>
<td>August 22, 23, 24, 27 &amp; 28, Wednesday - Tuesday</td>
</tr>
<tr>
<td>Mustang Welcome Week</td>
<td>August 25-September 1, Saturday - Saturday</td>
</tr>
<tr>
<td>Begin Fall Semester</td>
<td>August 29, Wednesday</td>
</tr>
<tr>
<td>Start of: Full semester classes</td>
<td>August 29, Wednesday</td>
</tr>
<tr>
<td>Start of: 1st 5-week Block (A)</td>
<td>August 29, Wednesday</td>
</tr>
<tr>
<td>Start of: 1st 8-week Block (E)</td>
<td>August 29, Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: Full Semester Classes</td>
<td>31-Aug, Friday</td>
</tr>
<tr>
<td>Last Day to Drop: Full Semester Classes</td>
<td>2-Nov, Friday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 5-week Block (A)</td>
<td>30-Aug, Thursday</td>
</tr>
<tr>
<td>Last Day to Drop: 1st 5-week Block (A)</td>
<td>14-Sep, Friday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 8-week Block (E)</td>
<td>30-Aug, Thursday</td>
</tr>
<tr>
<td>Last Day to Drop: 1st 8-week Block (E)</td>
<td>24-Sep, Monday</td>
</tr>
<tr>
<td>Labor Day Holiday</td>
<td>September 3, Monday</td>
</tr>
<tr>
<td>Payment Date (Balance or 1st payment)</td>
<td>14-Sep, Friday</td>
</tr>
<tr>
<td>Start of: 12-week Block (D)</td>
<td>September 24, Monday</td>
</tr>
<tr>
<td>Last Day to Add: 12-week Block (D)</td>
<td>26-Sep, Wednesday</td>
</tr>
<tr>
<td>Last Day to Drop: 12-week Block (D)</td>
<td>2-Nov, Friday</td>
</tr>
<tr>
<td>End of: 1st 5-week Block (A)</td>
<td>October 2, Tuesday</td>
</tr>
<tr>
<td>Start of: 2nd 5-week Block (B)</td>
<td>October 3, Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 5-week Block (B)</td>
<td>4-Oct, Thursday</td>
</tr>
<tr>
<td>Last Day to Drop: 2nd 5-week Block (B)</td>
<td>18-Oct, Thursday</td>
</tr>
<tr>
<td>Payment Plan 2nd installment</td>
<td>12-Oct, Friday</td>
</tr>
<tr>
<td>End of: 1st 8-week Block (E)</td>
<td>October 18, Thursday</td>
</tr>
<tr>
<td>Mid-Semester</td>
<td>October 18, Thursday</td>
</tr>
<tr>
<td>Fall Break</td>
<td>October 19, Friday</td>
</tr>
<tr>
<td>Midterm Grades Due (by 11:59pm)</td>
<td>October 22, Monday</td>
</tr>
<tr>
<td>Start of: 2nd 8-week Block (F)</td>
<td>October 22, Monday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 8-week Block (F)</td>
<td>23-Oct, Tuesday</td>
</tr>
<tr>
<td>Last Day to Drop: 2nd 8-week Block (F)</td>
<td>16-Nov, Friday</td>
</tr>
<tr>
<td>End of: 2nd 5-wk block (B)</td>
<td>5-Nov, Monday</td>
</tr>
<tr>
<td>Start of: 3rd 5-week Block (C)</td>
<td>6-Nov, Tuesday</td>
</tr>
<tr>
<td>Last Day to Add: 3rd 5-week Block (C)</td>
<td>7-Nov, Wednesday</td>
</tr>
<tr>
<td>Last Day to Drop: 3rd 5-week Block (C)</td>
<td>26-Nov, Monday</td>
</tr>
<tr>
<td>Payment Plan 3rd / Final installment</td>
<td>9-Nov, Friday</td>
</tr>
<tr>
<td>Spring 2019 Advising No Day Classes</td>
<td>14-Nov, Monday</td>
</tr>
<tr>
<td>Spring 2019 Registration Opens</td>
<td>15-Nov, Tuesday</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>November 21, 22, 23, Wednesday – Friday</td>
</tr>
<tr>
<td>End of: Full-semester, C, D, &amp; F Blocks</td>
<td>December 12, Wednesday</td>
</tr>
<tr>
<td>Exam Prep Day (No meetings or classes)</td>
<td>13-Dec, Thursday</td>
</tr>
<tr>
<td>Final Exam Days</td>
<td>December 14, 17, 19, Friday, Monday, Tuesday</td>
</tr>
<tr>
<td>All Grades Due (by noon)</td>
<td>December 19, Wednesday</td>
</tr>
</tbody>
</table>

*No Activities from December 10 through December 19 without Permission of the President*
### 2019 Spring Semester

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-Service</td>
<td>January 10, 11, 14, 15</td>
<td>Thursday - Tuesday</td>
</tr>
<tr>
<td>Begin Spring Semester</td>
<td>January 16</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Start of: Full-semester classes</td>
<td>January 16</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Start of: 1st 5-week Block (A)</td>
<td>January 16</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Start of: 1st 8-week Block (E)</td>
<td>January 16</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: Full Semester Classes</td>
<td>18-Jan</td>
<td>Friday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 5-week Block (A)</td>
<td>17-Jan</td>
<td>Thursday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 8-week Block (E)</td>
<td>17-Jan</td>
<td>Thursday</td>
</tr>
<tr>
<td>Last Day to Drop: Full Semester Classes</td>
<td>29-Mar</td>
<td>Friday</td>
</tr>
<tr>
<td>Last Day to Drop: 1st 5-week Block (A)</td>
<td>1-Feb</td>
<td>Friday</td>
</tr>
<tr>
<td>Last Day to Drop: 1st 8-week Block (E)</td>
<td>11-Feb</td>
<td>Monday</td>
</tr>
<tr>
<td>Dr. Martin Luther King Holiday</td>
<td>January 21</td>
<td>Monday</td>
</tr>
<tr>
<td>$ Payment Date (Balance or 1st payment)</td>
<td>1-Feb</td>
<td>Friday</td>
</tr>
<tr>
<td>Start of 12-week Block (D)</td>
<td>February 11</td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: 12-week Block (D)</td>
<td>13-Feb</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Drop: 12-week Block (D)</td>
<td>29-Mar</td>
<td>Friday</td>
</tr>
<tr>
<td>Dr. Presidents’ Day Holiday</td>
<td>February 18</td>
<td>Monday</td>
</tr>
<tr>
<td>End of 1st 5-week Block (A)</td>
<td>February 20</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Start of 2nd 5-wk Block (B)</td>
<td>February 21</td>
<td>Thursday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 5-week Block (B)</td>
<td>22-Feb</td>
<td>Friday</td>
</tr>
<tr>
<td>Last Day to Drop: 2nd 5-week Block (B)</td>
<td>8-Mar</td>
<td>Friday</td>
</tr>
<tr>
<td>$ Payment Plan 2nd Installment</td>
<td>1-Mar</td>
<td>Friday</td>
</tr>
<tr>
<td>End of 1st 8-week Block (E)</td>
<td>March 8</td>
<td>Friday</td>
</tr>
<tr>
<td>Mid-Semester</td>
<td>March 8</td>
<td>Friday</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 11 – 15</td>
<td>Monday - Friday</td>
</tr>
<tr>
<td>Mid-term Grades Due (by 11:59pm)</td>
<td>March 11</td>
<td>Monday</td>
</tr>
<tr>
<td>Start of 2nd 8-week Block (F)</td>
<td>March 18</td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 8-week Block (F)</td>
<td>19-Mar</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Last Day to Drop: 2nd 8-week Block (F)</td>
<td>12-Apr</td>
<td>Friday</td>
</tr>
<tr>
<td>$ Payment Plan 3rd / Final Installment</td>
<td>29-Mar</td>
<td>Friday</td>
</tr>
<tr>
<td>End of 2nd 5-week Block (B)</td>
<td>April 2</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Fall 2019 Advising Day No Day Classes</td>
<td>3-Apr</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Fall 2019 Registration Opens</td>
<td>4-Apr</td>
<td>Thursday</td>
</tr>
<tr>
<td>Start of 3rd 5-week Block (C)</td>
<td>April 8</td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: 3rd 5-week Block (C)</td>
<td>9-Apr</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Last Day to Drop: 3rd 5-week Block (C)</td>
<td>24-Apr</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Dr. Easter Holiday</td>
<td>19-Apr</td>
<td>Friday</td>
</tr>
<tr>
<td>End of: Full-semester, C, D, &amp; F Blocks</td>
<td>May 8</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Exam Prep Day (No meetings or classes)</td>
<td>9-May</td>
<td>Thursday</td>
</tr>
<tr>
<td>Final Exam Days</td>
<td>May 10, 13, 14</td>
<td>Friday, Monday, Tuesday</td>
</tr>
<tr>
<td>All Grades Due (by noon)</td>
<td>May 15</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Commencement</td>
<td>May 17</td>
<td>Friday</td>
</tr>
</tbody>
</table>

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 Vice President of Administrative Services, WWCC Administrative Offices, 2500 College Drive, Rock Springs, Wyoming 82901, (307) 382-1621; 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, ground-breaking 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.

• Through national, state and county support, and support from grants, a new work-force services building, a renovation to the Wellness/Athletic Center and new science labs for biology were added since 2012.
• In 2009 Western Wyoming Community College celebrated its 50th Anniversary.
• Student numbers have increased from 40 in 1959 to nearly 6,000 in 2017. 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 1,100, and full-time equivalent students (FTE) has increased to over 2,000.

Western’s Vision Statement

Western Wyoming Community College commits to providing a high-quality learning environment fueled by talented professionals dedicated to preparing students for a changing world.

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. Lynne Chadey, Rock Springs
• Vice President – Dr. Tom Spicer, Rock Springs
• Secretary – Mr. George Eckman, Green River
• Treasurer – Mr. Dick Boettcher, Rock Springs
• Members – Mr. Troy Archuleta, Rock Springs; Ms. Shannon Honaker, Rock Springs; Ms. Regina Clark, Green River.

Administrative Staff:
• President – Dr. Karla Leach
• V.P. of Student Learning – Dr. Kim Farley
• V.P. of Student Services – Dr. Phillip Parnell
• V.P. for Administrative Services – Mr. Sheldon Flom

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

Specialized Program Accreditation:
• Accreditation Commission for Education in Nursing
• American Welding Society (AWS) Accredited Testing Facility
• National Automotive Technicians Education Foundation

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 Development program provides workforce training and professional/continuing education for business, industry, and government agencies. Community Education offers a variety of personal growth and life development courses and workshops.

Services Available:
• Community Education
• Workforce Trainings
• Test Proctoring Services
• Public Computer Kiosks
• Accommodations for shift workers, Non-traditional, & Part-time student
• Professional/Continuing Education
• Evening Courses
• MHSA Certification
• Conference and Seminar Facilities
• High School Dual Enrollment Courses
• Weekend & Flexible Courses
• Community/Cultural Events

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 Learning department coordinates credit offerings in Afton, Big Piney, Baggs, Cokeville, Hanna/Elk Mountain, Evanston, Kemmerer, Lyman, Mountain View, Pinedale, Rawlins, Saratoga and their surrounding areas. Each of these communities has a coordinator who initiates and implements the local credit programs. To meet the needs of these students, Western offers a large variety of online courses and programs. 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 Learning office at 382-1807 or looking at our web site at WWCC Outreach Sites.

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.

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
Ms. Cindy Bailey, Vice-President
Mr. Dick Boettcher, Secretary/Treasurer
Dr. Karla Leach, Director
Dr. Tom Spicer, Director
Mr. Craig Nelson, Director
Mr. Jason Radakovich, 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, 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 307-382-1982.
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 a High School Equivalency Certificate. 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 Seeking 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 Mustang Central 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 final 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 must 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 credit earned (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 Mustang Central staff. A maximum of 50 semester hours of transfer credit may be 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 elective 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 WWCC transcript, although only 50 credit hours may be applied toward the WWCC degree or certificate program. Fifteen hours must be completed through WWCC to meet graduation requirements.
5. Transfer coursework with grades of ‘D’ or better will transfer to WWCC except for freshman English, U.S. Government, college-level math, lab science and First Year Experience. GPA does not transfer or add into the WWCC cumulative.
2. Student must submit the following information to Mustang Central:

In addition to the regular admissions procedures, an international student admission, including:

1. Official high school and any college transcripts (if transfer credit is requested) translated to English. Attested copies are accepted.
2. A completed Health Form, signed by a physician.
3. 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 transportation 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 $14,844 (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 $7,500 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. International students must purchase the College’s insurance.

After the applicant has completed the above, an admission 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 do not have current ACT/SAT scores will be required to complete Placement Testing. Contact the ACE IT Center or Mustang Central for more information. The tests are designed to determine the student’s level of ability—they are not pass/fail exams. The College’s goal is to place the student in the course best suited to meet their particular skills. In some cases, developmental courses are required before students enter college-level courses. Tests are offered at various times; scores are valid for three years or as long as the student has continuous attendance at WWCC. Students need to bring a photo ID when taking the test.

Advising

All degree-seeking students are assigned to an academic advisor; advisors are assigned based on a student’s major. Students will need advisor approval to register for courses or make changes to their schedule. Students must see their advisor on a regular basis regarding choice of classes, scheduling, and career interests.

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

In order to change advisors, the student must do so official through Mustang Central or the ACE IT Center.

Registration/Advising Appointments/Orientation

All new degree seeking students attend an Individual Advising Appointment to register. The appointment will consist of advising, registration policies and procedures, and registration.

All WWCC students are required to attend Mustang Welcome Week and Orientation just prior to Fall classes. Orientation includes information sessions with Student Success Services staff, department lunches and time with faculty.
All new degree-seeking freshmen (including students with dual or concurrent credits from high school) are required to attend an Individual Advising Appointment and the Orientation program during Mustang Welcome Week. 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 an Individual Advising Appointment.

Individual Advising Appointments are available throughout the summer for new Fall students and from November to January for new Spring students.

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 Orientation program during Mustang Welcome Week.

**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. These credits 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 Service members Opportunity Colleges. As a SOC member, we are committed to easing the transfer of relevant course 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.D.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 (MATH 0900) 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 limits.

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 ACE IT 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 University
- Chadron State College
- University of Northern Colorado
- Colorado State University
- Regis University
- South Dakota School of Mines & Technology
- Kaplan University
- Upper Iowa University
- Weber State University (select majors)
- National American University
- Mayville State University
- Ashford University
- Valley City State University
- Idaho State University
- Mesa State University
- Utah Valley University
- Southern New Hampshire University
- Montana Tech of the University of Montana
- Montana State University - Northern

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 applies to learning acquired from work experience for extra-institutional learning in the following ways:

1. By taking the appropriate College Level Examination Program (CLEP) examinations, or other language assessments approved by the Registrar.

2. By taking an institutional course challenge examination if no CLEP test is available in that course area.

3. By having gained extra-institutional learning in courses and programs listed in the Cooperative Assessment of

4. By submitting documentation of formal training to Mustang Central. 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.

Grades granted for extra-institutional learning will be duly noted on the transcript and S-U grades 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 ACE IT Center. The ACE IT 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. See the chart below for the CLEP Test scores required to earn equivalent credit at WWCC. Other language assessments must be approved by the Registrar.

2. For any subject in which a CLEP Test (or approved language assessment) is not available credit by exam may be an option (see below). Through examination, it is determined if the student’s proficiency 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 permitted 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.

c. Contact Mustang Central for information on the procedure for Institutional Credit by Examination.

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

<table>
<thead>
<tr>
<th>History and Social Science:</th>
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</thead>
<tbody>
<tr>
<td><strong>CLEP Equivalent</strong></td>
</tr>
<tr>
<td>Intro to Ed Psych</td>
</tr>
<tr>
<td>Intro to Psychology</td>
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<tr>
<td>Intro to Sociology</td>
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</table>

<table>
<thead>
<tr>
<th>English Composition:</th>
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</thead>
<tbody>
<tr>
<td><strong>CLEP Equivalent</strong></td>
</tr>
<tr>
<td>College Composition</td>
</tr>
<tr>
<td>College Composition Modular</td>
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</tbody>
</table>

Note: The prerequisite for the College Comp Modular is successful completion of ENGL 1010 or the CLEP College Composition

<table>
<thead>
<tr>
<th>Humanities:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CLEP Equivalent</strong></td>
</tr>
<tr>
<td>American Literature</td>
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<tr>
<td></td>
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<tr>
<td>College French Lang.</td>
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<td></td>
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<tr>
<td>College Spanish Lang.</td>
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</table>
Math:

<table>
<thead>
<tr>
<th>CLEP Equivalent</th>
<th>Min. Score</th>
<th>WWCC Course</th>
<th>Credit Granted</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Math</td>
<td>50</td>
<td>MATH 1000 Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>MATH 1400 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>MATH 1405 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>Calculus</td>
<td>50</td>
<td>MATH 2200 Calculus I</td>
<td>4</td>
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</table>

Science:

<table>
<thead>
<tr>
<th>CLEP Equivalent</th>
<th>Min. Score</th>
<th>WWCC Course</th>
<th>Credit Granted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>50</td>
<td>BIOL 1010 General Biology</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>CHEM 1020 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>55</td>
<td>CHEM 1030 General Chemistry II</td>
<td>8</td>
</tr>
</tbody>
</table>

Business:

<table>
<thead>
<tr>
<th>CLEP Equivalent</th>
<th>Min. Score</th>
<th>WWCC Course</th>
<th>Credit Granted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prin. of Management</td>
<td>50</td>
<td>MGT 2100 Principles of Mgmt.</td>
<td>3</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>ACCT 2010 Principles of Acct. I</td>
<td>4</td>
</tr>
<tr>
<td>Introductory Bus. Law</td>
<td>55</td>
<td>MGT 1040 Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>Prin. of Marketing</td>
<td>50</td>
<td>MKT 2100 Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Prin. of Macroeconomics</td>
<td>50</td>
<td>ECON 1010 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Prin. of Microeconomics</td>
<td>54</td>
<td>ECON 1020 Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>50</td>
<td>CMAP 1200 Computer Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

WWCC Equivalences are listed below:

<table>
<thead>
<tr>
<th>AP Examination</th>
<th>AP Score Req’d</th>
<th>WWCC Equivalent</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td></td>
<td>BIOL 1010 General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>3</td>
<td>MATH 2200 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3</td>
<td>MATH 2200 &amp; MATH 2205 Calc I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
<td>CHEM 1020 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>3</td>
<td>CMAP 1010 Intro to Computer Sci</td>
<td>4</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>3</td>
<td>ECON 1010 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>3</td>
<td>ECON 1020 Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>English, Lang and Comp</td>
<td>4</td>
<td>ENGL 1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Literature, Comp</td>
<td>4</td>
<td>ENGL 1010 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>French Language</td>
<td>3</td>
<td>FREN 1010 First Year French I</td>
<td>4</td>
</tr>
<tr>
<td>Government &amp; Politics</td>
<td>3</td>
<td>POLS Elective Credit</td>
<td>3</td>
</tr>
<tr>
<td>History/European</td>
<td>3</td>
<td>Elective Credit</td>
<td>3</td>
</tr>
<tr>
<td>History/US</td>
<td>3</td>
<td>HIST 1210 US History</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory</td>
<td>3</td>
<td>MUSC 1030 or THEA 1030 or MUSC 1035 or THEA 1035 Written Theory I / Aural Theory I</td>
<td>4</td>
</tr>
<tr>
<td>Physics B</td>
<td>3</td>
<td>PHYS 1110 General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>Psychology</td>
<td>4</td>
<td>PSYC 1000 General Psychology</td>
<td>4</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>3</td>
<td>SPAN 1010 First Year Spanish I</td>
<td>4</td>
</tr>
</tbody>
</table>

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. See the individual exams for which WWCC awards credit and the required scores listed below.

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

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.

Honors Program Mission and Values

The mission of the Western Wyoming Community College Honors Program is to challenge students by encouraging creative learning communities, providing opportunities for intellectual and personal growth, engaging students in active-learning experiences, and
fostering a fuller appreciation for a variety of fields of study. Through discussion-based honors courses, educational field trips, service-learning projects and other activities, students are invited to think globally and creatively about a wide range of issues. On an interpersonal note, they also have the opportunity to form friendships with a diverse group of individuals who share their commitment to learning.

Honors Courses: Adventures in Learning
The Honors Program offers four to six honors courses in a wide range of topics each semester. These courses bring together talented students from many different majors. Taught by some of Western’s best faculty, they offer interactive and innovative learning experiences. Often, they include field trips at college expense.

Honors courses are open to:
- new freshmen with a 25 ACT, or 1700 SAT, or a 3.5 high school GPA
- students with a cumulative 3.25 GPA in 12 or more hours of college-level coursework
- Anyone with a genuine interest in the subject matter who obtains instructor permission

Honors courses may be taken for a letter grade, for pass-fail, or as audit.

Benefits of Honors Program Participation
Students engaged in Honors Program courses and program activities have the opportunity to:

Participate in Field Trips and Academic Conferences: Students in recent semesters have attended the theater and symphony on the annual week-end long excursion to Denver, panned for gold in South Pass City, conducted a Social Science experiment about racial stereotyping in the malls of Salt Lake City, and visited the world-renowned Buffalo Bill Center of the West in Cody, on trips largely paid for by the Honors Program.

Top Honors Program students may also be invited to attend regional or national academic conventions, where they mingle with and learn from other students and professionals in their fields of interest and, often, present their own work. These trips, too, are partially funded by the Honors Program.

Engage in Community Service Activities: Honors Program students participate in a variety of service activities, often in collaboration with other campus or community organizations, to raise awareness and money for charitable causes or simply to lend a helping hand. In recent years, their efforts have benefited the Food Bank of Sweetwater County, Cowboys Against Cancer, YWCA Support and Safe House, Boys and Girls Club of Rock Springs, the Sweetwater County Library Endowment, and numerous other causes.

Earn the Honors Stipend: Students who have taken honors courses in both semesters of an Academic Year, maintained a minimum GPA of 3.25 in twelve or more hours of college-level coursework, and participated in Honors Program community service activities are awarded an Honors Stipend of up to $500 in the spring semester, so long as they are deemed eligible by the college. This stipend is renewable for one year.

Be a WWCC Honors Program Graduate: Students who complete a minimum of twelve credits of honors courses with a grade of C or better (including at least six at Western Wyoming Community College), who participate in Honors Program community service activities, and who have an overall GPA of 3.25 or above will be recognized at graduation and on their official transcripts as WWCC Honors Program graduates.

Be Recognized and Rewarded at Transfer Institutions:
Graduates of the WWCC Honors Program are typically welcomed, upon application, into the honors programs at the University of Wyoming, Weber State University, Utah State University, and numerous other colleges. Honors scholarships are sometimes available at these 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 exceptional work.

In short, the Honors Program at Western Wyoming College strives to bring added value to the cultural, academic, and personal experiences of students and others in the college community and beyond.

For more information, email honorsprogram@westernwyoming.edu.

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 Mustang Central, 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 block courses may register through the second day of the course. Contact Mustang Central for specific dates. Students who enroll in flexible entry courses are not eligible for a 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 Mustang Central staff. 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 submit final high school transcript, 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 Mustang Central. Western’s priority funding date for most academic and institutional scholarships is 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 WWCC Foundation aid, students must submit the Civic Grant application to Mustang Central. 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 Mustang Central by April 1 for priority consideration.

All financial aid applicants must have graduated from high school or completed their high school equivalency requirements and be degree seeking at WWCC. Mustang Central must receive the final high school transcript or high school equivalency scores before the disbursement of aid.

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 MyWestern. 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 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 Mustang Central staff for more specifics 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 through FAFSA completion.

Federal Supplemental Educational Opportunity Grant (FSEOG): Federal grants awarded 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.

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 and repayment obligations begin six months after a student completes their education or stops attending on a at least a part-time basis. Entrance counseling and Master Promissory Note are 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. Entrance counseling and Master Promissory Note are 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 and repayment begins immediately after the last 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.

All WWCC Scholarship information can be viewed in detail on the website.

WWCC Scholarship Information

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, Mustang Central staff 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

The Federal Department of Education (DOE) mandates the establishment and enforcement of a Satisfactory Academic Progress (SAP) Policy for all institutions participating in federal
Title IV aid programs. Federal Title IV aid programs include: Pell, SEOG, Direct Student/Parent Loans, and Work Study. The regulations require the measurement of cumulative GPA, rate of progression, and maximum time frame. A change of program does not reset the SAP calculation. WWCC students are considered to be making SAP if they consistently:

**WWCC’s qualitative measurement**
Maintain a cumulative GPA of at least 2.00

**WWCC’s quantitative measurement**
Complete 66.667% of attempted credits*

Do not meet or exceed 150% of the program length. For example: 96 credits for Associate degree programs

* Attempted credits are any credits for which the student enrolled, whether or not the student received federal financial aid. Attempted credits include withdrawn, incomplete, failed, and repeated courses.

Transferred credits accepted by WWCC are included in the 96 credit hour maximum. The table below illustrates how graded courses impact Financial Aid SAP.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>Cumulative GPA</th>
<th>Attempted Credit</th>
<th>Completed Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-F</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>I (incomplete)**</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Repeats</td>
<td>Most Recent</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>W</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Transferred and accepted by WWCC</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**When completed OR the student receives an F grade due to failure to complete the coursework as required, the new grade is used to calculate SAP at the end of the student’s next semester of attendance. The updated letter grade is treated per the table above when SAP is recalculated. Students are monitored for financial aid satisfactory academic progress (SAP) at the end of each semester of attendance. Students who are approaching maximum time frame (96 credits for associate degrees) and/or have less than 2.0 cumulative GPA and/or have completed less than 66.667% of attempted credits are given a Warning status.**

Students with a Warning status are notified by Mustang Cruiser e-mail that they are in danger of losing their financial aid eligibility and what they must do to remain eligible. Students are eligible for federal financial aid with a Warning status during their next semester of attendance. Students with a Warning status who reach or exceed the maximum time frame (96 credits for associate degree) and/or have less than a 2.00 cumulative GPA and/or have less than 66.667% completion rate are no longer eligible for federal Title IV financial aid and any financial aid that requires SAP. These students receive a No Longer Eligible (NLE) SAP status. Students are notified via Campus Cruiser e-mail that they are not eligible for federal financial aid. The e-mail includes information about how to regain eligibility and the appeal process. **Western is not required to inform students of their SAP status, this is the responsibility of the student.**

**Treatment of Remedial Courses & English as a Second Language Coursework**

No more than one year’s (24 credits) worth of reduced credit remedial coursework will be included in a student's enrollment status or cost of attendance. ESL courses do not count against the one-year limitation. Remedial coursework is included in attempted credits when considering a student’s duration of eligibility.

**Treatment of Incompletes, Withdrawals, & Repetitions**

Grades of I (incomplete), F (failure) and W (withdrawal) are not considered successfully completed classes, but will be included in the number of attempted credit hours. Repeat courses will be counted in attempted and completed credits. WWCC students are allowed to repeat a satisfactorily completed course one time and receive funding. Mustang Central staff will not include a completed course taken for the third time in a student's cost of attendance, or for awarding purposes. Inappropriate selection of courses is not an acceptable reason for not maintaining satisfactory academic progress. Students should contact an advisor.

An incomplete course must be completed the following semester unless the student requests an extension from the instructor. Once the incomplete is completed and the grade has been updated by the instructor it will be the student’s responsibility to contact Mustang Central staff for recalculating their satisfactory academic progress for the term in question.

**Treatment of Transfer Students, Second Degrees, & Second Majors**

Students transferring to Western Wyoming Community College will have all attempted hours and transfer credits included in the maximum time frame of 150%. Once the student meets the 150% maximum time frame, a letter is sent to the student notifying them that they have reached the maximum duration of eligibility and that they have the option to appeal. If the student submits an appeal, a degree audit will be done to determine the required courses that the student needs to complete the Associate's Degree or Certificate. 150% of that number will be the maximum number of hours that will be funded at WWCC.

Students changing majors and requesting an extension of aid eligibility will be required to provide a written appeal to the FA office providing notification of the major change and do an official change of major with Mustang Central. The Director will verify this information utilizing the administrative computer system. In order for an extension of aid to be granted beyond the 150% timeframe, the change of major must be a well-defined change (EX: Nursing to BIS). If it is determined to be a well-defined change of major by the FA Director, a degree audit will be run, and all developmental courses will be discounted and 150% of the number of required courses for the new major will be extended to the student. Students can change their major no more than three times and appeal for an extension of aid (ie., one declared major and two major changes).

Students seeking second associate degrees and requesting financial aid assistance will be required to provide a written appeal to Mustang Central staff. Appeal requests will be considered if the second degree is in a clearly defined different area of study. For example, if the first AS was in Biology and the second Associates degree is in Education, then an extension of aid will be granted one time only. If it is determined to be a clearly defined second associate degree by the Financial Aid Director, a degree audit will be run, and 150% of the number of required courses for the second associate degree will be extended to the student.

Students that have exceeded the 150% timeframe will be considered for an extension of aid eligibility if there has been a stop out period of three years or greater. A degree audit will be run to determine the courses still required for the degree and that number will be taken by 150% as the maximum number of hours to be funded at WWCC.

**Appeals**

WWCC has an appeal procedure for students who fail to make satisfactory academic progress. Students may appeal in writing to Mustang Central. The student should understand the SAP for their individual aid and when subsequent grades place him/her in Aid Suspension. It is not the responsibility of Mustang Central staff to notify the students, although we make every effort to do so. Furthermore, it is the responsibility of the student to notify Mustang Central staff when conditions have been met to again receive financial aid (generally a successful semester at the student's expense) or to initiate an appeal.

Students are provided with detailed information on SAP when their financial aid is awarded.
WWCC students must appeal in writing to the Financial Aid Director. The appeal form that a student must fill out details their academic plan for the academic year. They must accompany the form with a letter explaining the extenuating circumstances which prevented their ability to meet the SAP standards and also any documentation (medical, legal, etc.) that would substantiate their case. Examples of mitigating circumstances by which an appeal might be approved include a family member's death, illness, living conditions not conducive to academic success which are out of the student's control, etc.

The Financial Aid Review Board is made up of the Financial Aid Officer, Vice President for Student Success, two Professional/Administrative employees and two faculty members. In the event that an appeal is denied by the FA Director, the student has the option of meeting with the FARBB. The student appears in person or via conference call and explains that circumstances surrounding their failure to meet the institution's SAP standards. The FARBB has the authority to override the Director's decision of denial in such cases. Students can meet only once with the FARBB during their time at WWCC.

WWCC students must submit the appeal in writing to the Financial Aid Director in order to meet with the FARBB.

Students are allowed one appeal to the FARBB. Only in exceptional circumstances is a second appeal allowed. The deadline by which an appeal must be received is noted in the suspension notice sent to students at the end of each semester. The FA Director and/or the FARBB may choose to apply specific conditions to the approval of a student's appeal.

The outcome of a student's appeal, whether accepted or denied, is communicated to the student via letter sent to the student's address. A copy is also sent via email when appropriate. The Director updates the administrative computer system regarding the SAP outcome. A copy of the letter which is sent to the student is also retained in the student's physical file.

Documentation
Additional information may sometimes be required to document the mitigating circumstances surrounding a satisfactory academic progress appeal; therefore, forms of acceptable documentation that may be submitted in support of an appeal include but are not limited to:

- Newspaper obituaries or death certificates to substantiate deaths
- Physician's statement to substantiate illness or accident
- Statement from clergy or family member who knows the student's situation
- Statement from academic advisor or professor

Regaining Eligibility
Students not making satisfactory academic progress may re-establish eligibility on their own, either because their appeals were denied or because they did not avail themselves of the appeal processes.

In the case of a qualitative suspension a student must pay for 1 semester (or more) at their own expense until they match the number of credits for which they were originally funded and correct the deficiency (earn a semester GPA of 2.0 or greater). It is the students' responsibility to notify Mustang Central staff in writing through the appeal process that they wish to be evaluated for reinstatement of eligibility for financial aid.

If the student chooses not to pay for their own expenses, they may interrupt his/her attendance for a period of five (5) years and return under warning status. It is the students' responsibility to notify Mustang Central staff in writing that they wish to be evaluated for reinstatement of eligibility for financial aid.

Once the student has corrected the deficiency, it is their responsibility to communicate this information to Mustang Central staff. This is done by writing a letter to the Financial Director notifying him/her that the deficiency has been corrected. Upon receipt and verification of the information, the student's eligibility will be reinstated for the upcoming semester.

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 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 attended classes but subsequently withdraws, drops out, or is expelled must make repayment of such awards in accordance with established policy.

4. 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 and SEOG fund. No repayment to a fund may exceed the amount the student received from that fund.

Return to Title IV

Western has a clearly defined policy for student refunds for educational costs such as tuition and fees, room and board when an official withdrawal is completed. See Policy 3810B for the college-wide refund process for tuition and fees and refer to the Residence Halls Handbook for refund tables for housing and meal plans.

However, Students who withdraw or stop attending classes may be subject to a return of Federal Financial Aid funds. This is a calculation that has different requirements than the refund policy mentioned above. Programs affected by this policy include but may not be limited to:

- Direct Unsubsidized Loans
- Direct Subsidized Loans
- Direct Parent Loans (PLUS)
- Federal Pell Grants
- Federal SEOG
Students may be required to return federal funds previously received because they did not fulfill the requirements of the award. The date of determination and the return of funds may be based upon:

**Official Withdrawal** - Official withdrawals are calculated up to 30 days after Add/Drop form received.

The date the student begins the withdrawal process OR officially notifies the institution of intent to withdraw

Date on the official Add/Drop form submitted to Mustang Central

**Unofficial Withdrawal** - Unofficial Withdrawals are determined up to 45 days after the end of each semester.

The student's last date of attendance

The last date of academic activity determined by the school

**Withdrawing prior to completing 60% of the term:** Title IV aid is earned on a per day basis up to the 60% point of each semester. All Title IV aid is subject to a return of funds up to the 60% point. After that point, all aid is considered "earned" and will not be returned.

Title IV aid is returned in the following order:

- Direct Unsubsidized Loans
- Direct Subsidized Loans
- Direct PLUS Loans (PLUS)
- Federal Pell Grants
- Federal SEOG

**Post Withdrawal Disbursement** - Once the date of determination for withdrawal date is made the Return to Title IV funds will be calculated. When the aid disbursed is less than the aid earned by the student, a post withdrawal disbursement occurs. Disbursement will be made up to 30 days from the date of determination of withdrawal.

A sample worksheet used to calculate Return to Title IV Funds at WWCC is available at [http://ifap.ed.gov/ifap/titleiv.jsp](http://ifap.ed.gov/ifap/titleiv.jsp) by selecting "Treatment of Title IV Funds When a Student Withdraws from a Credit Hour Program."

If the calculation of Return to Title IV requires return of a portion of received financial aid, the student must return the unearned portion to WWCC upon receiving notification. Failure to do so may result in the student becoming ineligible for future federal student aid. Any unpaid balance on the student account will result in a hold being placed on the student account and is subject to the college’s collection process.

**Notification of Return of Title IV:** The student receives a letter addressed to their current mailing address on file when a calculation has been completed, indicating the amount charged back, the current account balance, and the student's option for repayment.

Questions about the Return to Title IV calculations may be directed to Mustang Central staff at (307) 382-1677, 1-800-226-1181 or finaid@westernwyoming.edu.

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**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 Mustang Central staff 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, Mustang Central staff 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. Applicants may access application status and missing documents in MyWestern, Self-Service for Students - My Financial Aid.

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, Mustang Central staff 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, Mustang Central staff 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 email.

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, Mustang Central staff 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 Mustang Central at Western Wyoming Community College.

General information on VA Educational Loans, Tutorial Assistance, Group Life Insurance and home loans or specific questions on any VA program can be answered by contacting the Dept. of Veteran’s Affairs at 1-888-442-4551.

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 verify that they have been attending class by submitting a certification of VA enrollment form. This form is mandatory and must be submitted to Mustang Central staff before the fifth of each month.

2. They must advise the VA Representative in Mustang Central 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.

Mustang Central will maintain appropriate veteran’s files which will include progress and attend-ance 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 Mustang Central. 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
Directory Information is information contained in an education record of a student which would not generally be considered harmful or an invasion of privacy, if disclosed. Following guidelines, provided by the FERPA Compliance Office, WWCC has identified the following information as directory information and, in response to public inquiry, may be disclosed in conformance with state law, at the college’s discretion, without prior consent of the student:

- Student name
- Phone number(s)
- Major field of study
- Dates of attendance
- Photographs/Videos
- Participation in officially recognized activities and sports
- Address(es)
- Email address
- Enrollment status
- Honors and awards
- Athletic weight and height
- Class lists used within on-line courses

Students may restrict access and request a Privacy Flag regarding their directory information by providing Mustang Central with written and signed notification, via the “Confidentiality of Student Records - Request for Addition or Removal of Privacy Flag” form, during the first 14 calendar days of Fall or Spring semester or within the first 4 calendar days of Summer term. All releases are based in the privacy code attached to the student. Under no circumstances are social security numbers or other identifying student number released without consent. Students may remove their Privacy Flag at any time by submitting a signed request to Mustang Central.

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, 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 may be referred to the Director of Human Resources, WWCC Administrative Offices, 2500 College Drive, Rock Springs, WY 82901. (307) 382-1832; or the Regional Director, Office for Civil Rights, Region VIII, Department of Education, Federal Office Building, 1244 Speer Blvd., Suite 310, Denver, CO 80204-3582, (303) 844-5695 or TDD (303) 844-3417; or the Wyoming Department of Education, Office for Civil Rights, 2nd Floor, Hathaway Building, Cheyenne, WY 82002, (307) 777-3530.

**Americans with Disabilities Act**

Western Wyoming Community College complies with the requirements set forth by the Americans with Disabilities Act (Public Law 101-336). To obtain employee services, contact the V.P. for Administrative Services in the Administration Office, or call 307-382-1621. To obtain student services, contact the Accessibility Specialist in the Office of Wellbeing & Accessibility, or call 307-382-1652. Individuals who believe they have been treated unfairly or unlawfully under the provisions of this Act should contact the College’s V.P. for Administrative Services, who serves as the ADA Compliance Coordinator at 307-382-1621.

**Accessibility for Individuals with Disabilities**

Western Wyoming Community College has met the 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 Office of Wellbeing & Accessibility.

**Student Completion and Transfer**

According to WWCC’s Student Right to Know data 46 percent of WWCC degree-seeking students complete their degree within three years of their start. Of that group, 22 percent transfer immediately after graduation and sixteen percent transfer without receiving their degree. Contact the V.P. for Student 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>$3,032</td>
<td>$4,160</td>
<td>$7,544</td>
</tr>
<tr>
<td>Books &amp; Supplies</td>
<td>$1,600</td>
<td>$1,600</td>
<td>$1,600</td>
</tr>
<tr>
<td>Board (10-meal plan)</td>
<td>$2,772</td>
<td>$2,772</td>
<td>$2,772</td>
</tr>
<tr>
<td>Average Room (on-campus)</td>
<td>$2,800</td>
<td>$2,800</td>
<td>$2,800</td>
</tr>
<tr>
<td>Estimated Annual Expense</td>
<td>$10,204</td>
<td>$11,332</td>
<td>$14,716</td>
</tr>
</tbody>
</table>

*Western Undergraduate Exchange (WUE)*

It should be clearly understood that these figures are ONLY estimates for students who live on campus and are taking 16 credits. 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>Residents of Wyoming</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Residents of Wyoming</strong></td>
<td></td>
</tr>
<tr>
<td>Full-time (12 hours or more)</td>
<td>$1,356.25</td>
</tr>
<tr>
<td>Part-time (11 hours or less)</td>
<td>$115.25/hr</td>
</tr>
<tr>
<td><strong>Out of State</strong></td>
<td></td>
</tr>
<tr>
<td>Full-time (12 hours or more)</td>
<td>$3,612.25</td>
</tr>
<tr>
<td>WUE State Residents (Full-time)</td>
<td>$1,920.25</td>
</tr>
<tr>
<td>Part-time Out-of-State</td>
<td></td>
</tr>
<tr>
<td>(11 hours or less)</td>
<td>$303.25/hr</td>
</tr>
<tr>
<td>Part-time (WUE)</td>
<td>$162.25/hr</td>
</tr>
</tbody>
</table>

**Academic Support Fee**

An additional $10 Academic Support fee will be charged per credit in addition to tuition and required fees.

**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).

<table>
<thead>
<tr>
<th>In-State: $94/hr</th>
<th>Out-of-State: $282/hr</th>
<th>WUE: $141/hr</th>
</tr>
</thead>
</table>

**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 (In-State)</th>
<th>Fee (WUE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>All courses*</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>ANTH 1100</td>
<td>Physical Anthropology*</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>ANTH 2310</td>
<td>Archeology Field Methods*</td>
<td>150</td>
<td></td>
</tr>
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* 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. Internet courses with live labs will charge both the internet and course fees.

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**Outreach Exceptions to Fees**

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**Other Charges**

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<td>Credit by Exam/Extra-Institutional Credit</td>
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<td>5</td>
</tr>
<tr>
<td>Ceramics, Non-credit (Initial Fee)*</td>
<td>48</td>
</tr>
</tbody>
</table>
Each additional lb. of clay
(Paid in $10 increments) 80
Residence Hall Activity Fee* 8
Residence Hall Computer Fee* 7.50
Residence Hall Laundry Fee* 25
Swimming Pool Fees
Semester Fees for Non-students (including College Employees)
General Pass (individual) 45/semester
General pass (family) 80/semester
Per Session Admission 2.50
Students (show I.D.) Free
Transcripts 5.00/order
WELD Directed Study (in addition to 75) 44/hr
Wellness Center
Students 25/semester
Employees Contact the Business Office
Community Members 75/semester
Testing Fees
Contact the ACE IT or Support, Disabilities, Counseling for costs of specific tests.

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 Mustang Central 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. Mustang Central staff will submit the request to the VP for Student Learning for authorization.
4. Mustang Central staff 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 Mustang Central staff or appropriate off-campus administrative office.

<table>
<thead>
<tr>
<th>Calendar Days from Date Semester-Long Courses Begin</th>
<th>Refundable Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 3 days inclusive</td>
<td>100%</td>
</tr>
<tr>
<td>4 to 13 days inclusive</td>
<td>80%</td>
</tr>
<tr>
<td>14 to 23 days inclusive</td>
<td>60%</td>
</tr>
<tr>
<td>24 to 33 days inclusive</td>
<td>40%</td>
</tr>
<tr>
<td>34 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 Mustang Central staff 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.

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 Mustang Central staff.

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%.
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 Mustang Central.

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 Intragroup 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 on 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.

Any questions or concerns about the residency policy should be addressed to the Registrar in Mustang Central. Appeals and exceptions to the above 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 and community residents. 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. A wide range of courses and scheduling options are available.

Non-Native Speakers

English Language Acquisition (ELA) courses are offered for speakers of other languages from the literacy level through intermediate level courses for international, degree-seeking students. Courses are offered in a scheduled classroom environment and as a self-paced study program. ELA 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. Some of these courses are also available on Internet. In addition, preparatory classes and testing for the Wyoming High School Equivalency Certificate 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.

High School Equivalency Certificate Preparation/Adult Literacy

Professional staff and trained volunteer tutors provide instruction in High School Equivalency Certificate Preparation, Adult Basic Education, English language, and civics/history in one-to-one, small group, and/or classroom settings. Some of the programs are open entry/open exit allowing students to move through at their own pace. Prospective High School Equivalency Certificate 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.

Peer Tutor & Test Proctoring 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. Outreach students may call and make a tutoring appointment via WebEx. The Peer Tutor Center also has academic assistance and specialized equipment available for students with special needs.

Test proctoring is available for WWCC students with accommodations, make-up or online exams.

Test proctoring is available for students in distance learning programs with colleges other than WWCC. Contact the Center directly to set a test proctoring appointment at 307-382-1707.

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

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.

Career Readiness
Career Services offers individuals assistance preparing resumes, writing cover letters and succeeding in the job interview. Career development courses and workshops on employment strategies are available.

Internships
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.

Office of Wellbeing & Accessibility
The major goal of the Office of Wellbeing & Accessibility is to help WWCC students persist in their education. The Office of Wellbeing & Accessibility offers a wide range of services, on campus and online, to assist students in this endeavor.

Counseling
The Office of Wellbeing & Accessibility 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, other life or study skill areas, trained counselors can assist.

Students are welcome to come to Wellbeing & Accessibility, Room 2111, or call 307-382-1652 to schedule an appointment. Evening appointments can be arranged if needed.

Services for Students with Disabilities
The Office of Wellbeing & Accessibility will assist in obtaining appropriate services, both on campus and with referral services in the community. Students with a documented disability may qualify for reasonable classroom and testing accommodations under the Americans with Disabilities Act through the Accessibility and Disability Support Services program in the Wellbeing & Accessibility Offices. A confidential, private appointment should be scheduled with the Accessibility Specialist by calling Wellbeing and Accessibility Center at 307-382-1652.

Support Groups
Support groups at WWCC recognize and address the concerns of various groups of students. The support groups are sponsored by the Office of Wellbeing and Accessibility 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 Office of Wellbeing & Accessibility offers a variety of free, educational workshops and seminars, both online and onsite, 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
Western Wyoming Community College serves a national test site for the American College Test (ACT). ACT registration is an all online process at www.act.org.

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 on the ground floor. 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 558.

The following options are presently available:

1. Ground floor 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, 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 Mustang Central.

The College food service offers a 275, 175, and 75 meals per semester plan. Students residing in suite units and all on-campus freshmen are required to purchase at least a 175 per semester 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, and adjacent to the Aquatic Center, 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. The Center is also available to the children of faculty and staff, based on availability.

The Children’s Center operates according to the Academic Calendar and is available fall, spring and summer semesters. A fee is charged for each child attending the Center based on the number of credits for which the parent is registered and the time the parent spends on campus. To ensure safety and minimal costs, the Children’s Center requires the parent to remain on campus while their children are in the Center. Please contact the Director for more information.

Children using the Center, during the day, must be age two through five to participate. All children must be toilet-trained unless they are in the two-year-old class. The Children’s Center operates three classes according to age. “Bunnies” are 2-3 year old, “Bears” are 3-4 years old, “Turtles” are 4-5 years old. Children must turn two before September 15th of the current year to attend. Each class is staffed by qualified teachers and aides. Each parent is asked to fill out a registration packet for each child. In addition, students must provide a copy of their class schedule and an immunization record for their child.

The Children’s Center also provides an After Hours program Monday through Thursday to provide childcare to children 2 years of age through the 4th grade. The After Hours program focuses on helping children with homework and academics, in addition to providing a variety of activities, including art projects, campus walks, gross motor activities and free play. During the After Hours program the children are able to have dinner, if necessary, and to prepare at the Center for bedtime at home.

The Children’s Center utilizes the Creative Curriculum, a nationally recognized, research-based program designed to meet the developmental needs of young children. The Zoo-Phonics program is also utilized to teach reading readiness, preparing the children for Kindergarten. The Center works closely with the Sweetwater County Child Developmental Center to address developmental needs, permitting the parent to focus on his or her own education during the day.

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. Not only does the Children’s Center maintain an enriched, educational experience for the children who are served there, it also ensures high quality care and education, providing practical opportunities for Western Wyoming Community College students.

**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. If you need assistance or have questions about the Affordable Care Act, you can call Wyoming 2-1-1 or visit: wyoming211.org.

For general healthcare options you may also want to visit: healthcare.gov for health plans and applications.

**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 7:00 p.m. on Mondays & Thursdays (when classes are in session) and 7:50 a.m. – 5:00 p.m., Tuesday, Wednesday & 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. 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 and other alternative formats available. The Bookstore also has several titles available for rent each semester both online and in the store.

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:**

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday-Thursday</td>
<td>7:30 a.m. - 11:00 p.m.</td>
</tr>
<tr>
<td>Friday</td>
<td>7:30 a.m. - 5:00 p.m.</td>
</tr>
<tr>
<td>Saturday</td>
<td>1:00 p.m. - 5:00 p.m.</td>
</tr>
<tr>
<td>Sunday</td>
<td>5:00 p.m. - 10:00 p.m.</td>
</tr>
</tbody>
</table>

Hours vary during the summer, semester breaks and holidays. Additional weekend hours are added during finals. Hay Library is always available virtually at: [https://www.westernwyoming.edu/academics/library/](https://www.westernwyoming.edu/academics/library/)

**Identification Cards**

All WWCC full- and part-time students are eligible for a student ID at no charge and may obtain one by visiting Mustang Central. The student ID card provides student access and discounts throughout the college community. Employees and Full and part-time students may also purchase a Wellness Center access card from Mustang Central. It is $15.00 per semester.

Children Center IDs are also available from Mustang Central at no cost but must have signed approval form from Children Center to get access.

**Instructional Media Center**

This department provides faculty and students with traditional audio/visual support in the classroom.

**WWCC Employee IDs, Black Butte Sodexho meal cards, and Community Member Wellness Access cards may also be obtained from this department.**

Wellness access cards may also be purchased for a fee of $50.00 per semester for Community Members.

**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 as well as Region IX. 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 online classes. CEUs (Continuing Education Units) and/or college credit may be awarded upon successful course 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 toward 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 make every effort to open its facilities to the public for meetings and events. Any scheduling conflicts with instructional programs of the College will take precedence. Interested persons can contact Physical Resources on the Rock Springs campus (307-382-1680) or the Green River Center (307-872-1300). 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 cumulative 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 cumulative 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 with a cumulative grade point average of 3.5 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 obtained in order to remain a member. Students who maintain eligibility for Phi Theta Kappa will be recognized at graduation.

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, a student 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 an ACE IT Center Advisor 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 courses 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 Mustang Central. 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 Mustang Central staff. 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 ad-dressed 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 Mustang Central 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 accord-ingly, 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 Mustang Central.

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 Mustang Central. 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 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 Mustang Central 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 the instructor, students are expected to take full responsibility for dropping courses.

Students who wish to drop courses should:
1. Obtain one of two forms from Mustang Central:
   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 Mustang Central 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 Mustang Central 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 in Mustang Central 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 Mustang Central staff 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 Mustang
Central 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
The Final Examination dates and schedule are posted on the
WWCC Registration 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>Performance</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Less than Satisfactory</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>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td></td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td></td>
</tr>
<tr>
<td>AU</td>
<td>Audit (No Credit)</td>
<td></td>
</tr>
<tr>
<td>NG</td>
<td>Non-Graded</td>
<td></td>
</tr>
</tbody>
</table>

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

Incomplete
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%

Incompletes

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.”

Incomplete 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</td>
<td>A (3x4) 12</td>
</tr>
<tr>
<td>Political Science</td>
<td>3</td>
<td>B (3x3) 9</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>C (3x2) 6</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
<td>A (3x4) 12</td>
</tr>
<tr>
<td>College Studies</td>
<td>2</td>
<td>A (2x4) 8</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>47</td>
</tr>
</tbody>
</table>

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 Mustang Central staff. 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 westernwyoming.edu. Semester grades are mailed only to students on academic alert, probation or suspension unless otherwise requested. Students requesting hard copies may contact Mustang Central staff.

**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 Mustang Central staff. 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 ones 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 westernwyoming.edu. 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 westernwyoming.edu. 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.westernwyoming.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 westernwyoming.edu

**Transcripts**
Official transcripts of the student’s entire academic record at Western Wyoming Community College may be obtained. Official transcripts requests cost $5.00. All requests are made online through the WWCC website.

No transcript will be released unless: 1) the student has given written permission for the release of said transcript; or 2) the student has submitted the request online through the National Student Clearinghouse. 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. Unofficial transcripts can be issued to students for their own use.
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 articulation agreements: westernwyoming.edu

A detailed list of colleges with online degrees and contact information for each University is located on the ACE IT Center website: westernwyoming.edu

Colleges with Online Degrees

<table>
<thead>
<tr>
<th>University of Wyoming</th>
<th>Franklin University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville State University</td>
<td>Kaplan University</td>
</tr>
<tr>
<td>National American University</td>
<td>Regis University</td>
</tr>
<tr>
<td>Ashford University</td>
<td>Upper Iowa University</td>
</tr>
<tr>
<td>Valley City State University</td>
<td>Southern New Hampshire</td>
</tr>
</tbody>
</table>

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

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, AS, and ADN 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 an upper division C3 (advanced 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 seven Wyoming Community Colleges use the same name and number for most equivalent transfer courses. Thus, English 1010 has same name and number at all eight schools. To know which courses are equivalent, use the Transfer Catalog (see below).

3. Transfer Catalog: The Transfer Catalog lists all the courses that transfer from the seven Wyoming Community Colleges to UW. The Catalog lists equivalent courses and transfer courses. Equivalent courses generally have the same name and number at all eight institutions. Transfer courses transfer to UW even though they may not be taught at all colleges or at UW. The catalog also lists all of UW’s general education requirements (University Studies Program) and which courses meet those requirements. The Transfer Catalog and other resources for transferring to UW are available at www.uwyo.edu/transfercredit.

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, AS, or ADN: Students who transfer with less than an AA, AS, ADN 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 Catalog. 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, AS, or ADN.

UW’s University Studies courses can be found at http://uwadmweb.uwyo.edu/unst/
GRADUATION, DEGREES, AND GENERAL EDUCATION

Graduation Information

Application for Graduation
All candidates for graduation must file a Graduation Application with Mustang Central. 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 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 Mustang Central.

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 15 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.

Double Major

A double major is a program of study that meets the requirements of two distinct majors in a single Associates degree. The program of study consists of courses required to meet the degree requirements for each of the two majors, together with the courses needed to meet the general education requirements for the degree. The minimum number of credit hours required for a double major equals the total number of credit hours required for the major comprising the larger number of credit hours for the degree.

Students may apply the same coursework towards the fulfillment of requirements for both majors; however, nine major credits must be distinctive to the second major. Students who complete the requirements for a double major receive a single diploma that acknowledges both majors.

Because a double major program leads to a single Associates degree, each of the two majors must be associated with the same degree type (i.e., both must be registered as a AA degree).

Dual Degree

A dual degree program is one in which the student works towards satisfying the academic requirements for two distinct degree types in an integrated fashion. Students may apply the same coursework towards the fulfillment of the requirements for both degrees. To achieve the academic depth and breadth implied by a program of study that results in the awarding of two associates degrees, a dual degree program consists of substantial additional coursework as compared to that required for a double major; namely, a minimum of 15 additional semester hours beyond the credit hours required for the degree program comprised of the smaller number of credits. In most cases, a minimum of 79 credits will be required to earn dual degrees. Students who successfully complete a dual degree program receive two diplomas, one for each degree earned.

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.

Assessment Requirement (0 credit)

• Enroll in HMDV 2411 NT to complete the requirement online.

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 Commencement is required whether a student completes requirements in Summer, Fall, or Spring. Students
with conflicts must submit a request, 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 Commencement, or do not complete graduation requirements, will still owe costs after orders are placed in March. Once orders are placed in March, students who are excused from attendance at Commencement or do not complete graduation requirements, will still owe the cost of the diploma, cap and gown.

Requirements for the Associate of Arts Degree

Every student must complete a minimum of 64 semester hours of credit. Of these 64, 29-30 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

General Education Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Experience (HMDV 1005)</td>
<td>1</td>
</tr>
<tr>
<td>English (ENGL 1010 &amp; ENGL 1020, or ENGL 2005, or ENGL 2019)</td>
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- 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: MATH 0900).

- 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 15 hours of coursework must be completed through Western Wyoming Community College.

Requirements for the Associate of Science Degree

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

General Education Requirements:

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<tr>
<th>Requirement</th>
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<tr>
<td>First Year Experience (HMDV 1005)</td>
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- No coursework numbered less than 1000 will be applicable to the Associate of Science Degree (example: MATH 0900).
- A maximum of four hours of internship allowable toward graduation.
- At least 15 hours of coursework must be completed through Western Wyoming Community College.
- Students may not receive credit for courses which are prerequisite to courses they have already completed.
Requirements for the Associate Degree in Nursing

Every student must complete the program, which totals 67 credits. 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.

See the Nursing Program for course requirements.

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
- Business Information Systems
- Business Information Systems, Digital Media
- Business Information Systems, Medical Administrative Assistant
- Business Management
- Diesel & Heavy Equipment Technology
- Diesel & Medium/Heavy Truck Technology
- Electrical & Instrumentation Technology
- Industrial Maintenance
- Law Enforcement
- Machine Tool Technology
- Mining Maintenance Technology
- Natural Gas Compression Technology
- Oil & Gas Production Technology
- Welding Technology

General Education Requirements:

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<th>Requirement</th>
<th>Credits</th>
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A cumulative Western Wyoming Community College grade point average of 2.00 or better must be maintained for graduation.

- A maximum of six hours of internship allowable toward graduation
- No coursework numbered less than 1000 will be applicable to the Associate of Applied Science Degree (example: MATH 0900).
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. 34) 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 2015-2016 catalog. Courses taken previously may not be listed though may count towards graduation.

**First Year Experience**

**Degree Requirements**

C or better grade required HMDV 1005

**Human Development**

HMDV 1005 1st YEAR SUCCESS 1

**English**

**Degree Requirements**

C or better grade required for English I and II.

**English I**

ENGL 1010  ENGLISH COMPOSITION I  3

**English II**

ENGL 1020  ENGLISH COMPOSITION II  3

ENGL 2005  TECHNICAL WRITING  3

ENGL 2019  WRITING STUDIES  3

ENGL 2005 and ENGL 2019: Course fulfills more than one requirement but may only be counted once.

**US & Wyoming Constitutions**

**Degree Requirements**

C or better grade required for US & Wyoming Constitution.

**History**

HIST 1211  U.S. TO 1865  3

HIST 1221  U.S. 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.

**Social Science**

**Degree Requirements**

**Anthropology**

ANTH 1100  INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY  4

ANTH 1200  INTRODUCTION TO CULTURAL ANTHROPOLOGY  3

ANTH 1300  INTRODUCTION TO ARCHAEOLOGY  3

ANTH 2000  INTRODUCTION TO LINGUISTICS ANTHROPOLOGY  3

ANTH 2200  WORLD CULTURE  3

ANTH 2210  NORTH AMERICAN INDIANS  3

ANTH 2310  ARCHAEOLOGY FIELD METHODS:  1-4

**Counseling**

CNSL 2050  INTRODUCTORY COUNSELING  3

**Criminal Justice**

CRMJ 1550  COMMUNITY RELATIONS  3

CRMJ 1900  INTRODUCTION TO LAW ENFORCEMENT  3

CRMJ 2120  INTRODUCTION 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 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  EDUCATION EXPERIENCE PROSPECTIVE TCHR  2

EDEC 1020  INTRODUCTION TO EARLY CHILDHOOD EDUCATION  3

EDEC 1025  EARLY CHILDHOOD PRACTICUM  1

EDEL 1410  MATH FOR ELEMENTARY SCHOOL TEACHERS I  1

EDEX 2484  INTRODUCTION TO SPECIAL EDUCATION  3

EDFD 2020  FOUNDATIONS OF EDUCATION  4

EDFD 2100  EDUCATIONAL PSYCHOLOGY  4

**Geography**

G&R 1050  INTRODUCTION 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

HLED 1140  NUTRITION  3

PEPR 2120  INTRO TO EXERCISE PHYSIOLOGY  4

PEPR 2130  FUNDAMENTALS OF EXERCISE SCIENCE  4

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

HLED 1140: Course fulfills more than one requirement but may only be counted once.
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**Theatre**

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**Applied Arts**

**Degree Requirements**

**Art**

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**Dance**

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**Music**

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<td>APPLIED MUSIC STRINGS</td>
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**Theatre**

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**Laboratory Science**

C or better grade required for Lab Science courses for all Associate degrees.

**Degree Requirements**

**Biology**

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<td>BIOL 2022</td>
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<td>BIOL 2023</td>
<td>PLANT AND FUNGAL BIOLOGY</td>
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<td>MOLB 2210</td>
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(May not count both BIOL 1003 and BIOL 1010)

**Chemistry**

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<td>PRINCIPLES OF PALEONTOLOGY</td>
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ACADEMIC PROGRAMS

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 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 Arts or Associate of Science Degree can be obtained in the following areas of study:

Business:
- Business Administration (p. 48)

Health:
- Exercise Science (p. 66)
- Nursing (p. 81)
- Pre-Dental Hygiene (p. 87)
- Pre-Health (p. 87)
- Pre-Pharmacy (p. 88)
- Pre-Radiology (p. 89)

Humanities:
- Communication (p. 53)
- Education (Elementary & Early Childhood) (p. 60)
- English (p. 65)
- Secondary Education (p. 90)
- Spanish (p. 97)

Mathematics & Science:
- Biological Sciences, General (p. 47)
- Biological Sciences, Organic (p. 47)
- Chemistry (p. 52)
- Computer Science (p. 53)
- Engineering, Mechanical Engineering (p. 64)
- Geology (p. 68)
- Mathematics (p. 73)
- Natural Resources (p. 77)

Social Science:
- Anthropology (p. 44)
- Criminal Justice (p. 54)
- History (p. 69)
- Political Science (p. 84)
- Psychology (p. 90)
- Social Science (p. 95)
- Social Work (p. 95)
- Sociology (p. 96)

Visual & Performing Arts:
- Art Foundation (p. 45)
- Dance, Entertainment Industry (p. 55)
- Music, Instrumental (p. 73)
- Music, Voice (p. 74)
- Musical Theatre (p. 75)
- Popular Music, Instrumental (p. 85)
- Popular Music, Voice (p. 86)
- Technical Theatre (p. 98)

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.

Certificate of Applied Science:
- Automotive Technology (p. 46)
- Business Information Systems (p. 49)
- Business Management (p. 51)
- Diesel and Heavy Equipment Technology (p. 56)
- Diesel and Medium/Heavy Truck Technology (p. 57)
- Digital Media (p. 50)
- Electrical & Instrumentation Technology (p. 58)
- Emergency Medical Services (p. 63)
- Industrial Maintenance (p. 70)
- Law Enforcement (p. 71)
- Machine Tool Technology (p. 71)
- Medical Administrative Assistant (p. 50)
- Mining Maintenance Technology (p. 76)
- Natural Gas Compression Technology (p. 78)
- Oil & Gas Production Technology (p. 83)
- Welding Technology, Fabrication (p. 100)
- Welding Technology, Industrial Plant (p. 100)
- Welding Technology, Mine Maintenance (p. 101)

Certificates
Certificates are typically short, concentrated programs of study, within a particular field, ranging from 15 credits to 46. 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 (p. Error! Bookmark not defined.)
- Administrative Assistant (p. 44)
- Alternative Fuel Vehicle Technology (p. 44)
- Application Software Specialist (p. 45)
- Automotive Technology (p. 46)
- Clerk-Typist (p. 52)
- Creative Writing (p. 54)
- Diesel Technology (p. 57)
- Digital Design Technologies (p. 58)
- Electrical Apprenticeship (p. 59)
- Electrical Maintenance (p. 76)
- Electrical/Instrumentation/Control Technology (p. 59)
- Emergency Management (p. 61)
- Emergency Medical Services (p. 64)
- English Language Acquisition (p. 66)
- Fitness Leadership (p. 67)
- Industrial Maintenance (p. 69)
- Machine Tool Technology (p. 72)
- Maintenance Mechanic for Industry (p. 72)
- Medical Administrative Assistant (p. 73)
- Mine Maintenance (p. 77)
- Natural Gas Compression Technology (p. 78)
- Oil & Gas Production Operator (p. 83)
- Police I (p. 84)
- Power Plant Maintenance (p. 70)
- Practical Nursing (p. 83)

(p. 99)
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 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 Mustang Central staff 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 workplace, 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 coursework, recreation, work, and family lie with each individual.
PROGRAMS OF STUDY

Administrative Assistant Certificate

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>BOTK 1555</td>
<td>BUSINESS COMMUNICATION</td>
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<tr>
<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<td>BOTK 1650</td>
<td>KEYBOARDING APPLICATIONS II</td>
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<tr>
<td>BOTK 2900</td>
<td>OFFICE SYSTEMS &amp; PROCEDURES</td>
<td>3</td>
</tr>
<tr>
<td>BIS/BUSINESS ELECTIVE</td>
<td>2-3</td>
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<td>ENGL 2005</td>
<td>TECHNICAL WRITING</td>
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<td>BOTK 2750</td>
<td>RECORDS MANAGEMENT SYSTEMS</td>
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<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS:</td>
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<tr>
<td>CMAP 1705</td>
<td>WORD PROCESSING APPLICATIONS:</td>
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Subtotal: 32-34

Total Credit Hours: 32-34

All above courses must be completed with a “C” or better to earn the Administrative Assistant Certificate.

Alternative Fuel Vehicle Technology Certificate

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
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<td>AUTO 2520</td>
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<td>AUTO 2590</td>
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<td>AFVT 1500</td>
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<td>AFVT 1600</td>
<td>LIGHT-DUTY DIESEL ENGINE PERFORMANCE I</td>
<td>3</td>
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<td>LIGHT-DUTY DIESEL ENGINE PERFORMANCE II</td>
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<td>AFVT 1620</td>
<td>NATURAL GAS VEHICLE FUEL SYSTEMS</td>
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Subtotal: 42

Total Credit Hours: 42

Anthropology, Associate of Arts

The Anthropology Program at Western is committed to supporting the “Four-Field Method” of Anthropology. Offering courses in Cultural Anthropology, Archaeology, Linguistics, and Physical Anthropology, plus sub-disciplines such as the Anthropology of North American Indians and World Culture, Western students graduate with the core courses necessary to pursue a Bachelor’s degree at any four-year institution or moving directly into the workforce. Field Courses in Archaeological Methodology and Paleoindian Rock Art round out the student experience. An Associate of Arts in Anthropology is valuable to employers in the public arm of Anthropology, termed Cultural Resource Management, for hiring at the crew level. CRM crews conduct archaeological surveys and excavations necessary for regulatory compliance to build on federal or state land, or land in which federal or state tax money is being utilized. This is a growing field, and students have an excellent opportunity to move upwards by completing the Bachelor’s degree. The AA in Anthropology is articulated with several four-year universities in the region, making transfer smoother for the student. These articulation agreements are based on the quality of the faculty in the program, and the proven performance of our students as they transition to other schools.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>ANTH 1200</td>
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<td>ENGL 1010</td>
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<td>MATH 1400</td>
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<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
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</tr>
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</table>

Subtotal: 17

Freshman Year - Fall Semester Notes:

- Lab Science can be fulfilled by Physical Geology (GEOL 1100) or General Biology (BIOL 1010).

Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>CMAP 1200</td>
<td>APPROVED ENGLISH COURSE SYSTEMS</td>
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<td>SOC 1000</td>
<td>SOCIOLOGICAL PRINCIPLES</td>
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</table>

Subtotal: 15

Freshman Year - Spring Semester Notes:

- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Writing Studies (ENGL 2019).
Application Software Specialist Certificate

Today's businesses require highly skilled individuals in the area of computer applications software and concepts to assist in detailed and overall business processes and practices. The certificate will provide students with these advanced skills and knowledge in currently-popular/industry-standard application software programs giving them a competitive edge and the expertise to assist businesses in every industry and discipline.

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Subtotal</th>
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<td>CMAP 1610</td>
<td>WINDOWS I</td>
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<td>CMAP 1886</td>
<td>MICROSOFT OUTLOOK</td>
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<td>WORD PROCESSING APPLICATIONS:</td>
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<td>CMAP 1750</td>
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</tr>
<tr>
<td>CMAP 1800</td>
<td>DATABASE APPLICATIONS:</td>
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<td>CMAP 2630</td>
<td>PRESENTATION GRAPHICS:</td>
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<td>CMAP 1905</td>
<td>INTEGRATED APPLICATIONS:</td>
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<td>CMAP 1885</td>
<td>DIGITAL DESIGN PUBLISHING:</td>
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</table>

All above courses must be completed with a “C” or better to earn the Application Software Specialist Certificate.
Sophomore Year - Spring Semester

- ART 1120 DESIGN: 3D
- ART 2020 ART HISTORY II
- BIOL 1003 CURRENT ISSUES IN BIOLOGY
- HMDV 2411 ASSESSMENT REQUIREMENT

Subtotal: 14

Sophomore Year - Spring Semester Notes:
- Approved Art Course can be fulfilled by Painting II (ART 2220) or Ceramics II (ART 2420).

Total Credit Hours: 62-63

Please note that a total of 64 credits are required to graduate with an Associate of Arts degree.

Automotive Technology, Associate of Applied Science

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 71 credit hour program leading to an A.A.S. Degree in Automotive Technology, a 42 credit hour program leading to a One-Year Certificate in Automotive Technology, or a 42 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.

Degree Requirements

Freshman Year - Fall Semester

- AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I
- AUTO 1766 AUTOMOTIVE ELECTRICAL SYSTEMS II
- AUTO 1770 AUTOMOTIVE ELECTRONICS
- CMAP 1200 COMPUTER INFORMATION SYSTEMS
- ENGL 1010 ENGLISH COMPOSITION I
- HMDV 1005 1ST YEAR SUCCESS

Subtotal: 16

Freshman Year - Spring Semester

- AUTO 1700 ENGINE FUNDAMENTALS
- AUTO 1760 HEATING AND AIR CONDITIONING
- ENGL 2005 TECHNICAL WRITING
- PHYS 1050 CONCEPTS OF PHYSICS
- TECH 1600 INDUSTRIAL SAFETY

Subtotal: 19

Sophomore Year - Fall Semester

- AUTO 1730 AUTOMATIC TRANSMISSIONS
- AUTO 1740 BRAKE SYSTEMS
- AUTO 2540 ADVANCED BRAKES & SUSPENSION SYSTEMS
- AUTO 2545 AUTOMOTIVE ALIGNMENT & STEERING SYSTEMS

Subtotal: 36

Students must complete all of the required courses plus a minimum of 6 credits from the following:
- AFVT 1500 INTRO TO ALTERNATIVE FUEL VEHICLES
- AFVT 1600 LIGHT-DUTY DIESEL ENGINE PERFORMANCE I
- AFVT 1610 LIGHT-DUTY DIESEL ENGINE PERFORMANCE II
- AFVT 1620 NATURAL GAS VEHICLE FUEL SYSTEMS
- AFVT 1630 HYBRID ELECTRIC VEHICLE SYSTEMS I
- AFVT 1640 HYBRID ELECTRIC VEHICLE SYSTEMS II
- AUTO 1580 BASIC AUTO MAINTENANCE
- AUTO 1690 MANUAL POWER TRANSMISSION
- AUTO 1730 AUTOMATIC TRANSMISSIONS
- DESL 1595 DIESEL FUNDAMENTALS
- DESL 1600 DIESEL ENGINES
- PHYS 1050 CONCEPTS OF PHYSICS

Subtotal: 71

Total Credit Hours: 71

Automotive Technology Certificate

Degree Requirements

Students must complete the following required courses (36 credits):

- AUTO 1700 ENGINE FUNDAMENTALS
- AUTO 1740 BRAKE SYSTEMS
- AUTO 1760 HEATING AND AIR CONDITIONING
- AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I
- AUTO 1766 AUTOMOTIVE ELECTRICAL SYSTEMS II
- AUTO 1770 AUTOMOTIVE ELECTRONICS
- AUTO 2540 ADVANCED BRAKES & SUSPENSION SYSTEMS
- AUTO 2545 AUTOMOTIVE ALIGNMENT & STEERING SYSTEMS
- AUTO 2550 ENGINE PERFORMANCE I
- AUTO 2590 ENGINE PERFORMANCE III

Subtotal: 36
Freshman Year

Freshman Year - Fall Semester

BIO 1010  GENERAL BIOLOGY  4
CHEM 1020  GENERAL CHEMISTRY I  4
ENGL 1010  ENGLISH COMPOSITION I  3
MATH 1400  COLLEGE ALGEBRA  3
HMDV 1005  HEALTH & HUMAN ACTIVITY  1
                      1st YEAR SUCCESS  1
                      Subtotal: 16

Freshman Year - Spring Semester

BIO 2022  ANIMAL BIOLOGY  4
CHEM 1030  GENERAL CHEMISTRY II  4
MATH 1405  TRIGONOMETRY  3
                      Subtotal: 17

Freshman Year - Spring Semester Notes:
- MATH 1400 or higher can fulfill this requirement.
- Health and Human Activity can be fulfilled by Desert Living Skills (PEAC 1296), Hike & Fish (PEAC 1308), Hike-Camp-Fish (PEAC 1309), or Wilderness Navigation (PEAC 2025).

Sophomore Year - Fall Semester

BIO 2023  PLANT AND FUNGAL BIOLOGY  4
BIO 2400  GENERAL ECOLOGY  3
BIO 2410  INTRO TO FIELD ECOLOGY  2
CHEM 2300  INTRODUCTORY ORGANIC  4
MATH 2200  CALCULUS I  4
                      Subtotal: 17

Sophomore Year - Spring Semester

MOLB 2210  GENERAL MICROBIOLOGY  4
STAT 2050  FUNDAMENTALS OF STATISTICS  4
SOCIAL SCIENCE  3
US & WYOMING CONSTITUTION  3
HMDV 2411  ASSESSMENT REQUIREMENT  4
                      Subtotal: 14

Sophomore Year - Spring Semester Notes:
- Social Science requirement can be fulfilled with Introduction to Natural Resources (G&R 1050), Introduction to American Environmental History (HIST 1410), Wyoming History (HIST 1251), or History of the US West (HIST 1290).
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

Subtotal: 64
Total Credit Hours: 64

Biological Sciences, Organic, Associate of Science

What makes biology exciting is its diversity. A biologist might gather field samples for environmental impact statements, develop cancer therapies, or manipulate genes. Biologists unravel the mystery of living organisms, from biomolecules to ecosystems.

You can focus in one of several core areas leading to careers in health care, research, business, and teaching. Additionally, you can apply your biological knowledge to careers outside the traditional, such as science writing or environmental law. All biology majors need to develop these basic skills:

- Ability to work with biological information, analyzing it from different angles.
- Ability to find information using a variety of methods and critically evaluate it.
- Ability to design, conduct, and communicate results of biological experiments.
- Ability to apply biology to environmental and societal issues.
- Ability to work as a professional in the scientific community.

In summary, biologists must integrate the technical skills and knowledge of a rapidly growing field with communication skills and an ability to analyze data. Western has designed a curriculum that prepares you to take your place as a successful 21st-century biologist in whichever path you choose.

A large proportion of biologists work in labs, in areas of research or industrial technology, or in health-related fields. Virtually all have at least a bachelor’s degree in the field. Still others use their undergraduate degree in biology as a foundation for professional training in such areas as agroecology, agronomy, animal biology, botany, zoology, and graduate studies in biological sciences.

Degree Requirements

Freshman Year - Fall Semester

BIO 1010  GENERAL BIOLOGY  4
CHEM 1020  GENERAL CHEMISTRY I  4
ENGL 1010  ENGLISH COMPOSITION I  3
MATH 1400  COLLEGE ALGEBRA  3
HMDV 1005  HEALTH & HUMAN ACTIVITY  1
                      1st YEAR SUCCESS  1
                      Subtotal: 17

Freshman Year - Fall Semester Notes:
- MATH 1400 or higher can fulfill this requirement.
- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Technical Writing (ENGL 2005).
- Humanities or Applied Arts can be fulfilled by Public Speaking (COMM 1010), World History to 1750 (HIST 1320), or World History Since 1750 (HIST 1330).

Sophomore Year - Fall Semester

BIO 2023  PLANT AND FUNGAL BIOLOGY  4
BIO 2400  GENERAL ECOLOGY  3
BIO 2410  INTRO TO FIELD ECOLOGY  2
CHEM 2300  INTRODUCTORY ORGANIC  4
MATH 2200  CALCULUS I  4
                      Subtotal: 17

Sophomore Year - Spring Semester

MOLB 2210  GENERAL MICROBIOLOGY  4
STAT 2050  FUNDAMENTALS OF STATISTICS  4
SOCIAL SCIENCE  3
US & WYOMING CONSTITUTION  3
HMDV 2411  ASSESSMENT REQUIREMENT  4
                      Subtotal: 14

Sophomore Year - Spring Semester Notes:
- Social Science requirement can be fulfilled with Introduction to Natural Resources (G&R 1050), Introduction to American Environmental History (HIST 1410), Wyoming History (HIST 1251), or History of the US West (HIST 1290).
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

Subtotal: 64
Total Credit Hours: 64
d. Ability to apply biology to environmental and societal issues.

e. Ability to work as a professional in the scientific community.

In summary, biologists must integrate the technical skills and knowledge of a rapidly growing field with communication skills and an ability to analyze data. Western has designed a curriculum that prepares you to take your place as a successful 21st-century biologist in whichever path you choose.

A large proportion of biologists work in labs, in areas of research or industrial technology, or in health-related fields. Virtually all have at least a bachelor’s degree in the field. Still others use their undergraduate degree in biology as a foundation for professional training in such areas as veterinary sciences, medicine, microbiology, molecular biology, physiology and graduate programs in biological science.

Degree Requirements

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BIOL 1010</td>
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<td>CHEM 1020</td>
<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 1405</td>
<td>TRIGONOMETRY</td>
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<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
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**Subtotal: 15**

**Freshman Year - Fall Semester Notes:**

- MATH 1405 or higher can fulfill this requirement.

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
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<td>APPROVED HUMANITIES/APPLIED ARTS</td>
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**Subtotal: 18**

**Freshman Year - Spring Semester Notes:**

- Approved English Course can be fulfilled by Technical Writing (ENGL 2005), English Composition II (ENGL 1020), or Writing Studies (ENGL 2019).
- Approved Humanities/Applied Arts can be fulfilled by Public Speaking (COMM 2010), World History to 1750 (HIST 1320), or Ethics (PHIL 2300).

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
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<td>BIOL 2400</td>
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<td>CHEM 2320</td>
<td>ORGANIC CHEMISTRY I</td>
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**Subtotal: 16-17**

**Sophomore Year - Fall Semester Notes:**

- Social Science requirement can be fulfilled with Introduction to Natural Resources (G&R 1050), Introduction to American Environmental History (HIST 1410), General Psychology (PSYC 1000), or Nutrition (HLED 1140).

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>MOLB 2210</td>
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**Subtotal: 17**

**Sophomore Year - Spring Semester Notes:**

- Social Science requirement can be fulfilled with Introduction to Natural Resources (G&R 1050), Introduction to American Environmental History (HIST 1410), General Psychology (PSYC 1000), or Nutrition (HLED 1140).

**Sophomore Year - Assessment Requirement**

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<td>ASSESSMENT REQUIREMENT</td>
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**Subtotal: 15**

**Sophomore Year - Spring Semester Notes:**

- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

**Subtotal: 64-65**

**Total Credit Hours: 64-65**

**Business Administration, Associate of Science Degree**

The Associate of Science (A.S.) in Business Administration degree is for students who wish to transfer to four year academic institutions and the 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 competitive global economy.

Course work includes business concepts such as accounting, economics, finance, information systems, the legal environment, management and marketing. Graduates can also find entry level employment opportunities in government agencies, financial institutions, or business organizations in a variety of industries.

**Degree Requirements**

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
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<tr>
<td>HMDV 1005</td>
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<tr>
<td>MATH 1400</td>
<td>COLLEGE ALGEBRA</td>
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<tr>
<td>MKT 2100</td>
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<tr>
<td>US &amp; WYOMING CONSTITUTION</td>
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**Subtotal: 17**

**Freshman Year - Fall Semester Notes:**

- Lab Science must meet a minimum of 4 credits from BIOL, CHEM, GEOG, or PHYS.
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 2010</td>
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<td>ECON 1010</td>
<td>MACROECONOMICS</td>
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<tr>
<td>ENGL 1020</td>
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<td>MGT 2100</td>
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<td>APPROVED STATISTICS COURSE</td>
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**Subtotal: 17**

**Freshman Year - Spring Semester Notes:**

- Approved Statistics Course can be fulfilled by Business Statistics (STAT 2010) or Fundamentals of Statistics (STAT 2050).

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<td>BUSINESS CALCULUS I</td>
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**Subtotal: 17**
### Student Success Plan

**Freshman Year - Fall Semester**

**FIN 2100**  BUSINESS MATHEMATICS  3
**MATH 2355**  BUSINESS CALCULUS II  4
**MGT 1040**  LEGAL ENVIRONMENT OF BUSINESS  3
**MAJOR AREA COURSES**  3
**HMDV 2411**  ASSESSMENT REQUIREMENT  1

**Subtotal:** 16

**Sophomore Year - Spring Semester**

**FIN 2100**  MANAGERIAL FINANCE  3
**MATH 2355**  BUSINESS CALCULUS II  4
**MGT 1040**  LEGAL ENVIRONMENT OF BUSINESS  3
**MAJOR AREA COURSES**  3
**HMDV 2411**  ASSESSMENT REQUIREMENT  1

**Subtotal:** 17-19

**Sophomore Year - Fall Semester**

**BOTK 2750**  RECORDS MANAGEMENT SYSTEMS  3
**CMAP 1705**  WORD PROCESSING APPLICATIONS:  3
**CMAP 1610**  WINDOWS I  1
**MATH 1000**  PROBLEM SOLVING  3
**COMM 1030**  INTERPERSONAL COMMUNICATION  3
**POLS 1000**  AMERICAN & WYOMING GOVERNMENT  3

**Subtotal:** 16

**Freshman Year - Spring Semester**

**BOTK 1520**  BUSINESS MATHEMATICS  3
**BOTK 1555**  BUSINESS COMMUNICATION  3
**BOTK 1640**  KEYBOARDING APPLICATIONS I  3
**CMAP 1200**  COMPUTER INFORMATION SYSTEMS  3
**ENGL 1010**  ENGLISH COMPOSITION I  3
**HMDV 1005**  1st YEAR SUCCESS  1

**Subtotal:** 16

**Freshman Year - Fall Semester**

**BOTK 1520**  BUSINESS MATHEMATICS  3
**BOTK 1555**  BUSINESS COMMUNICATION  3
**BOTK 1640**  KEYBOARDING APPLICATIONS I  3
**CMAP 1200**  COMPUTER INFORMATION SYSTEMS  3
**ENGL 1010**  ENGLISH COMPOSITION I  3
**MATH 1000**  PROBLEM SOLVING  3
**HMDV 1005**  1st YEAR SUCCESS  1

**Subtotal:** 16

**Sophomore Year - Spring Semester**

**CMAP 2210**  QUICKBOOKS  3
**BOTK 2900**  OFFICE SYSTEMS & PROCEDURES  3
**CMAP 1800**  DATABASE APPLICATIONS:  3
**MGT 1000**  INTRODUCTION TO SUPERVISION  3
**CMAP 2400**  INTRODUCTION TO INFORMATION MANAGEMENT  3
**PEAC 1290**  PHYSICAL CONDITIONING:  1
**HMDV 2411**  ASSESSMENT REQUIREMENT  1

**Subtotal:** 65-67

**Total Credit Hours:** 65-67

Incoming students with keyboarding skills may, with the consent of their faculty advisor, substitute more advanced courses. All above courses must be completed with a "C" or better to earn the A.A.S in Business Information Systems. Degree is Non-Transferable.

### Business Information Systems, Associate of Applied Science

The Business Information System program provides students with a strong foundation in cross-functional business processes and the application of information systems to support them.

Students will gain a competitive advantage in today’s rapidly changing business environment. Business Information Systems program courses offer instruction in software applications, communications, customer service, decision making, and office procedures, all of which provide students with the skills they need for everyday running of a business. Program outcomes include:

- Gain comprehensive computer application skills
- Obtain information management skills
- Develop soft skills for the workplace
- Explore emerging technologies used in an office environment
- Learn standard application software programs giving them a competitive edge and the expertise to assist businesses in every industry and discipline.

### Degree Requirements

**Freshman Year - Fall Semester**

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<tr>
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**Subtotal:** 16

**Freshman Year - Spring Semester**

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<td>ACCOUNTING PROCEDURES I</td>
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<td>CMAP 1860</td>
<td>INTRO TO DIGITAL DESIGN TECHNOLOGIES</td>
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<td>CMAP 2630</td>
<td>PRESENTATION GRAPHICS:</td>
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**Subtotal:** 16

**Sophomore Year - Fall Semester**

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<td>WORD PROCESSING APPLICATIONS:</td>
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<td>CMAP 1610</td>
<td>WINDOWS I</td>
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**Subtotal:** 16

**Sophomore Year - Spring Semester**

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<td>OFFICE SYSTEMS &amp; PROCEDURES</td>
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<td>CMAP 1800</td>
<td>DATABASE APPLICATIONS:</td>
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<tr>
<td>MGT 1000</td>
<td>INTRODUCTION TO SUPERVISION</td>
<td>3</td>
</tr>
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<td>CMAP 2400</td>
<td>INTRODUCTION TO INFORMATION MANAGEMENT</td>
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<td>PEAC 1290</td>
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<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
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**Subtotal:** 65-67

**Total Credit Hours:** 65-67

Incoming students with keyboarding skills may, with the consent of their faculty advisor, substitute more advanced courses. All above courses must be completed with a "C" or better to earn the A.A.S in Business Information Systems. Degree is Non-Transferable.

### Business Information Systems, Application Software Specialist, Associate of Applied Science

Today’s businesses require highly skilled individuals in the area of computer application software and concepts to assist in detailed and overall business processes and practices. This program will provide students with these advanced skills and knowledge in industry-standard application software programs giving them a competitive edge and the expertise to assist businesses in every industry and discipline.

### Degree Requirements

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>KEYBOARDING APPLICATIONS I</td>
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<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>MATH 1000</td>
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**Subtotal:** 16

**Freshman Year - Spring Semester**

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<tr>
<td>BOTK 1650</td>
<td>KEYBOARDING APPLICATIONS II</td>
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<tr>
<td>CMAP 1610</td>
<td>WINDOWS I</td>
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**Subtotal:** 16

**Freshman Year - Fall Semester Notes:**

- MATH 1000 or higher will fulfill this requirement.
CMAP 1860 INTRO TO DIGITAL DESIGN 3 TECHNOLOGIES
CMAP 2630 PRESENTATION GRAPHICS: 1-3
CMAP 1885 DIGITAL DESIGN PUBLISHING: 1
COSC 1350 WEB DEVELOPMENT I 3
ENGL 2005 TECHNICAL WRITING 3

Subtotal: 16

Sophomore Year - Fall Semester

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BOTK 2750</td>
<td>RECORDS MANAGEMENT SYSTEMS</td>
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<td>CMAP 1705</td>
<td>WORD PROCESSING APPLICATIONS</td>
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<tr>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS</td>
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<td>CMAP 1870</td>
<td>DIGITAL ILLUSTRATION DESIGN</td>
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Approved Elective: 1

Subtotal: 16

Sophomore Year - Spring Semester

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<tr>
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<tr>
<td>CMAP 1800</td>
<td>DATABASE APPLICATIONS:</td>
<td>3</td>
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<tr>
<td>CMAP 1886</td>
<td>MICROSOFT OUTLOOK</td>
<td>1</td>
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<td>CMAP 2600</td>
<td>COMPUTER GRAPHICS: PHOTOSHOP</td>
<td>3</td>
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<tr>
<td>IMGT 2400</td>
<td>INTRODUCTION TO INFORMATION MANAGEMENT</td>
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<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
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Subtotal: 16

Sophomore Year - Spring Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

Subtotal: 64

Total Credit Hours: 64

All courses must be completed with a "C" or better to earn the A.A.S. degree in Business Information Systems, Application Software Specialist.

Program is not eligible for Federal Funding.

Business Information Systems, Digital Media, Associate of Applied Science

Students earning an AAS in Business Information Systems: Digital Media will learn to create, deploy and manage digital content for business and the digital world giving graduates an edge in today's fast-paced digital landscape. Upon completion, the student will be well-versed in the current industry-standard digital design and social media technologies and applications. The skills learned will be of value for employment in any field.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BOTK 1555</td>
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Subtotal: 16

Freshman Year - Spring Semester

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<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
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<td>DATABASE APPLICATIONS:</td>
<td>3</td>
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<tr>
<td>CMAP 1860</td>
<td>INTRO TO DIGITAL DESIGN TECHNOLOGIES</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1350</td>
<td>WEB DEVELOPMENT I</td>
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<td>ENGL 2005</td>
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Subtotal: 17

Sophomore Year - Fall Semester

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<th>Course Code</th>
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<td>ACCOUNTING PROCEDURES I</td>
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<td>OFFICE SYSTEMS &amp; PROCEDURES</td>
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<tr>
<td>CMAP 1886</td>
<td>MICROSOFT OUTLOOK</td>
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<td>CMAP 2895</td>
<td>DIGITAL DESIGN TECHNOLOGIES CAPSTONE</td>
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<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
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Subtotal: 15-17

Subtotal: 62-66

Total Credit Hours: 62-66

All courses must be completed with a "C" or better to earn the A.A.S. degree in Business Information Systems, Digital Media.

64 credits are required to graduate with an Associate of Applied Science degree.

Degree is Non-Transferable.

Business Information Systems, Medical Administrative Assistant, Associate of Applied Science

Degree was previously named Office Information Systems, Medical Office Assistant, Associate of Applied Science.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
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Subtotal: 16

Freshman Year - Spring Semester

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Subtotal: 17

Sophomore Year - Fall Semester

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Subtotal: 15-17

Subtotal: 62-66

Total Credit Hours: 62-66

All courses must be completed with a "C" or better to earn the A.A.S. degree in Business Information Systems, Digital Media.

64 credits are required to graduate with an Associate of Applied Science degree.

Degree is Non-Transferable.
Freshman Year

Degree Requirements

- **SOFTWARE, and introductory business courses.**
- **QuickBooks accounting and Excel systems to support them.**
- **fun program provides students with a strong foundation in cross executive assistant, or office manager positions.**
- **The Associate of Applied Science (A.A.S.) Business Management degree is generally non-transferable to four year academic institutions and is only for students who plan to work in a variety of office settings. Such jobs might include administrate assistant, executive assistant, or office manager positions. The two-year program provides students with a strong foundation in cross-functional business processes and the application of information systems to support them. Course work includes communication and customer service skills, QuickBooks accounting and Excel software, and introductory business courses.**

Degree Requirements

**Freshman Year - Fall Semester**
- BADM 1000 INTRODUCTION TO BUSINESS 3
- HMDV 1005 1st YEAR SUCCESS 1

**Total Credit Hours:** 16

**Sophomore Year - Fall Semester**
- BOTK 1520 BUSINESS MATHEMATICS 3
- BOTK 2750 RECORDS MANAGEMENT SYSTEMS 3
- CMAP 1705 WORD PROCESSING 3
- CMAP 1885 DIGITAL DESIGN PUBLISHING: 1
- BIOL 2010 HUMAN ANATOMY & PHYSIOLOGY I 4
- HLTK 1200 MEDICAL TERMINOLOGY 2

**Total Credit Hours:** 16

**Sophomore Year - Spring Semester**
- CMAP 1800 DATABASE APPLICATIONS: 3
- BOTK 2810 ACCOUNTING PROCEDURES I 3
- BOTK 2900 OFFICE SYSTEMS & PROCEDURES 3
- BIOL 2015 HUMAN ANATOMY & PHYSIOLOGY II 4
- CMAP 1200 COMPUTER INFORMATION COURSE 3
- HMDV 2411 ASSESSMENT REQUIREMENT 3

**Total Credit Hours:** 16

**Sophomore Year - Fall Semester Notes:**
- Computer Information Course can be fulfilled by Introduction to Information Management (IMGT 2400).

**Total Credit Hours:** 64

All courses must be completed with a "C" or better to earn the A.A.S. degree in Business Information Systems, Medical Administrative Assistant.

Degree is Non-Transferable.

**Business Management, Associate of Applied Science**

The Associate of Applied Science (A.A.S.) Business Management degree is generally non-transferable to four year academic institutions and is only for students who plan to work in a variety of office settings. Such jobs might include administrative assistant, executive assistant, or office manager positions. The two-year program provides students with a strong foundation in cross-functional business processes and the application of information systems to support them. Course work includes communication and customer service skills, QuickBooks accounting and Excel software, and introductory business courses.

**Degree Requirements**

**Freshman Year - Fall Semester**
- BADM 1000 INTRODUCTION TO BUSINESS 3

**Total Credit Hours:** 16

**Sophomore Year - Fall Semester Notes:**
- ECON 1000 can be substituted with ECON 1010 or ECON 1020.
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

**Sophomore Year - Spring Semester**
- ENGL 2005 TECHNICAL WRITING 3
- CMAP 1200 COMPUTER INFORMATION SYSTEMS 3
- MGT 2100 PRINCIPLES OF MANAGEMENT 3
- BOTK 2810 ACCOUNTING PROCEDURES I 3
- MAJOR AREA COURSES 3

**Total Credit Hours:** 15

**Sophomore Year - Fall Semester Notes:**
- ENGL 2005 can be substituted with ENGL 2019.
- Major Area Coursework can be fulfilled by courses from any of the following departments: ACCT, BADM, BUSN, ECON, FIN, MGT, MKT, BOTK, COMM 2270, or MATH 1400 or higher.

**Sophomore Year - Fall Semester**
- MGT 1040 LEGAL ENVIRONMENT OF BUSINESS 3
- BADM 2030 BUSINESS ETHICS 3
- CMAP 1750 SPREADSHEET APPLICATIONS: 3
- ECON 1400 CUSTOMER SERVICE 3
- COMM 1030 INTERPERSONAL COMMUNICATION 3
- MAJOR AREA COURSES 3

**Total Credit Hours:** 18

**Sophomore Year - Fall Semester Notes:**
- COMM 1030 can be substituted with COMM 1040 or COMM 2010.
- Major Area Coursework can be filled by courses from any of the following departments: ACCT, BADM, BUSN, ECON, FIN, MGT, BOTK, COMM 2270, or MATH 1400 or higher.

**Sophomore Year - Spring Semester**
- IMGT 2400 INTRODUCTION TO INFORMATION MANAGEMENT 3
- MGT 1200 HUMAN RESOURCE MANAGEMENT 3
- MKT 2100 MARKETING 3
- APPROVED SUGGESTED ELECTIVES 6
- HMDV 2411 ASSESSMENT REQUIREMENT 3

**Total Credit Hours:** 15

**Sophomore Year - Spring Semester Notes:**
- Approved Suggested Electives can be from any department 1000 level or higher. Courses should be determined by advisor and student.

**Total Credit Hours:** 64

Degree is Non-Transferable.
Chemistry, Associate of Science

Chemistry, often labeled the “Central Science”, exists at the interface of physical sciences such as physics and astronomy, and life sciences such as biology and medicine. Accordingly, a degree in chemistry prepares the dedicated student for myriad career opportunities including careers in drug design and development, toxicology, pharmacology, environmental science, synthetic chemistry, nuclear chemistry, and health science. Furthermore, a background in chemistry provides a strong foundation for students pursuing degrees in medicine, dentistry, education, and law.

The successful chemistry student must develop the skill essential to any science:

1. Ability to think critically
2. Ability to review the scientific literature and apply the information therein
3. Ability to design and implement experiments including data collection and analysis

In addition, the chemist has a need to develop more specific skills including the ability to apply chemical concepts in the execution of experiments, and more broadly, to environmental and societal concerns. They must also execute effective laboratory techniques, exhibit an understanding of chemical hazards in the laboratory, and utilize specialized instrumentation (e.g. infrared spectroscopy, nuclear magnetic resonance spectroscopy).

A degree in Chemistry from Western Wyoming Community College provides the dedicated student with a strong scientific background that will open doors in a variety of academic and career paths. The inherently interdisciplinary nature of chemistry and its broad applicability make a degree in chemistry an excellent choice for students seeking employment at the B.S. level, continued graduate studies in a range of fields (e.g. chemistry, pharmacology, toxicology, biochemistry), or acceptance in to professional programs (e.g. medical school, dental school, intellectual property law).

Degree Requirements

Freshman Year - Fall Semester
- CHEM 1020 GENERAL CHEMISTRY I 4
- MATH 2200 CALCULUS I 4
- ENGL 1010 ENGLISH COMPOSITION I 3
- PHYS 1310 COLLEGE PHYSICS I 4
- HMDV 1005 1st YEAR SUCCESS 1

Subtotal: 16

Freshman Year - Spring Semester
- CHEM 1030 GENERAL CHEMISTRY II 4
- MATH 2205 CALCULUS II 4
- PHYS 1320 COLLEGE PHYSICS II 4
- ENGL 1020 ENGLISH COMPOSITION II 3
- BOTK 1555 HEALTH & HUMAN ACTIVITY 1

Subtotal: 16

Freshman Year - Spring Semester Notes:
- ENGL 1020 can be substituted with ENGL 2019.
- Health & Human Activity requirement can be filled with courses from the PEAC prefix or HLED 1003.

Sophomore Year - Fall Semester
- CHEM 2230 QUANTITATIVE ANALYSIS 5
- CHEM 2320 ORGANIC CHEMISTRY I 4
- MATH 2210 CALCULUS III 4
- HMDV 2411 ASSESSMENT REQUIREMENT 1

Subtotal: 16

Sophomore Year - Fall Semester Notes:
- Major Area Courses can be fulfilled by First Year Spanish I (SPAN 1010), Ethics (PHIL 2300), Interpersonal Communication (COMM 1030), or Public Speaking (COMM 2010).

Sophomore Year - Spring Semester
- CHEM 2340 ORGANIC CHEMISTRY II 4
- SOCIAL SCIENCE 3
- US & WYOMING CONSTITUTION 3
- Major Area Courses 7

Subtotal: 17-18

Sophomore Year - Spring Semester Notes:
- Social Science requirement can be fulfilled with Introduction to Natural Resources (G&R 1050), Introduction to American Environmental History (HIST 1410), General Psychology (PSYC 1000), or Nutrition (HLED 1140).
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).
- Major Area Courses can be fulfilled by General Biology (BIOL 1010), Fundamentals of Statistics (STAT 2050), General Microbiology (MOLB 2210), or Applied Differential Equations (MATH 2310).

Total Credit Hours: 66-66

Clerk Typist Certificate

Degree Requirements

Fall Semester
- ENGL 1010 ENGLISH COMPOSITION I 3
- BOTK 1640 KEYBOARDING APPLICATIONS I 3
- BOTK 1555 BUSINESS COMMUNICATION 3
- BOTK 2750 RECORDS MANAGEMENT SYSTEMS 3
- CMAP 1200 COMPUTER INFORMATION SYSTEMS 3

Subtotal: 15

Spring Semester
- CMAP 1705 WORD PROCESSING APPLICATIONS 3
- ENGL 2005 TECHNICAL WRITING 3
- BOTK 1650 KEYBOARDING APPLICATIONS II 3
- BOTK 1520 BUSINESS MATHEMATICS 3

Subtotal: 15

Total Credit Hours: 30

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

All above courses must be completed with a “C” or better to earn the Clerk Typist Certificate.
## Communication, Associate of Arts

Increasing the quality of personal and professional lives in today’s society is largely dependent on communication skills and abilities. The Communication program at Western Wyoming Community College will teach students how to effectively communicate with diverse groups and individuals using a variety of methods and approaches. Students will learn the theoretical and practical perspectives of communication that are necessary and vital skills to be successful in today’s diverse society. Coursework includes written, oral and public speaking, persuasion and debate skills, interpersonal communication, listening, conflict management, mass media, issues of gender and culture in communication, intercultural communication, public relations, and more. The faculty also helps students gain experience in group project work, critically analyzing speeches and self-evaluating individual presentations and organization. Overall, this program teaches students vital skills in teamwork, problem solving, leadership, relationship building, along with creating personal growth. Students may receive an Associate of Arts in Communication that will prepare them for entry-level employment in fields such as education, research, public relations, advertising, mediation, consulting, law, counseling, journalism, human resources, writing, and grant writing. This degree will also transfer to 4-year colleges and universities where a Bachelor’s in Communication degree can be the springboard to the variety of occupations listed above – and more!

### 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>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
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<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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</tr>
<tr>
<td>HMDV 1005</td>
<td>1ST YEAR SUCCESS</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

#### Freshman Year - Fall Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).
- Approved Communication Course can be fulfilled by Introduction to Mass Media (COMM 1000), Introduction to Human Communication (COMM 1040), or Introduction to Parliamentary Debate (COMM 2085). These options are subject to availability each semester.
- Foreign Language can be replaced with a COMM elective, but additional credits will need to be selected to total 64 credits.
- Second Approved Communication Course can be fulfilled by Intercultural Communication (COMM 1005), Introduction to Forensics Research (COMM 2080), or Introduction to Persuasion (COMM 2090). These options are subject to availability each semester.

#### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>COMM 2010</td>
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<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
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<tr>
<td>STAT 2070</td>
<td>STATISTICS FOR SOCIAL SCIENCE</td>
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<tr>
<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
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<td><strong>Total</strong></td>
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#### Sophomore Year - Fall Semester Notes:
- Health & Human Activity requirement can be filled with courses from the PEAC prefix or HLED 1003.

#### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BIOL 1003</td>
<td>CURRENT ISSUES IN BIOLOGY</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

#### Total Credit Hours: 64

### Computer Science, Associate of Arts

The Computer Science (CS) program combines practical experience with current programming languages, together with a theoretical background in computer science. The program prepares students to transfer to a 4 year institution in Computer Science, or obtain a position in industry. The program covers instruction in the principles of computational science, computing theory, computer hardware and software design, computer development, programming and applications. Students will learn technical communication, teamwork skills to solve problems, develop professional knowledge, and skills in the computer science field. The career opportunities would include: Computer Programmers, Software Application Developers, Computer Systems Analysis, Database Administrator, Web Developer, and Computer User Support Specialist. In addition, the program offers certificates in specialized areas of study that can be earned in combination with a degree or in a stand-alone fashion separate from the degree.
Required Courses
Degree
Computer Science Endorsement Preparation
Total Credit Hours: 65

Freshman Year - Fall Semester
COSC 1010 INTRODUCTION TO COMPUTER 4
SCIENCE I
MATH 1400 COLLEGE ALGEBRA 3
ENGL 1010 ENGLISH COMPOSITION I 3
HLED 1003 WELLNESS 3
HMDV 1005 1st YEAR SUCCESS 1
COMPUTER SCIENCE ELECTIVE 3

Subtotal: 17

Freshman Year - Spring Semester
COSC 1030 COMPUTER SCIENCE I 4
MATH 1405 TRIGONOMETRY 3
ENGL 2005 TECHNICAL WRITING 3
APPROVED SCIENCE COURSE 4
US & WYOMING CONSTITUTION 3

Subtotal: 17

Sophomore Year - Fall Semester
COSC 2030 COMPUTER SCIENCE II 4
MATH 2200 CALCULUS I 4
STAT 2050 FUNDAMENTALS OF STATISTICS 3
COMPUTER SCIENCE ELECTIVE 3

Subtotal: 15

Sophomore Year - Spring Semester
COSC 2300 DISCRETE STRUCTURES 3
MATH 2205 CALCULUS II 4
COMM 2010 PUBLIC SPEAKING 3
HMDV 2411 ASSESSMENT REQUIREMENT 3
COMPUTER SCIENCE ELECTIVES 6

Subtotal: 16

Sophomore Year - Spring Semester Notes:
- Computer Science Elective can be fulfilled by Web Development (COSC 1350), PC Support Technician (COSC 1360), Web Development II (COSC 2350), Web Page Dynamics & Scripting (COSC 2360), Introduction to Information Management (IMGT 2400), or a GEOG (GIS) course.

Subtotal: 65

Total Credit Hours: 65

Computer Science Endorsement Preparation
Degree Requirements
Required Courses
COSC 1010 INTRODUCTION TO COMPUTER SCIENCE I 4

COSC 1030 COMPUTER SCIENCE I 4
COSC 1350 WEB DEVELOPMENT I 3
ITEG 2360 TEACHING WITH TECHNOLOGY 3
COSC 2800 COMPUTER SCIENCE I 1-3
PORTFOLIO/CAPSTONE

Subtotal: 15

Total Credit Hours: 15

All above courses must be completed with a "C" or better to earn the Computer Science Endorsement Preparation Certificate.

Program is not eligible for Federal Funding.

Creative Writing Certificate

The Creative Writing certificate is a 16 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.

Degree Requirements
Required Course
ENGL 2091 CREATIVE WRITING: PUBLISHING YOUR WORK 1

Choose any five courses (15 credits)
ENGL 2040 CREATIVE WRITING: 3
ENGL 2050 CREATIVE WRITING: PROSE I 3
ENGL 2060 CREATIVE WRITING: PROSE II 3
ENGL 2064 CREATIVE WRITING: JOURNALING 3
ENGL 2065 CREATIVE WRITING: MEMOIR WRITING 3
ENGL 2080 CREATIVE WRITING: POETRY I 3
ENGL 2090 CREATIVE WRITING: POETRY II 3

Subtotal: 15

(Topics vary by term. May be taken up to three times)

Subtotal: 16

Total Credit Hours: 16

Criminal Justice, Associate of Arts

No matter how the workplace may change in the future, there will always be a need for Criminal Justice Professionals. The Criminal Justice AA prepares students to transfer to a University in the best position for an on time graduation. Students may craft their AA to coincide with their particular interests in the field whether that is in corrections, law, victim assistance, emergency management, or law enforcement. Students who do not wish to transfer to a University can still work in the field of policing and corrections after the completion of this well-rounded AA degree. Students can opt to choose the AAS in Law Enforcement which is designed for students who wish to complete a two year degree, with no intention to transfer to a four year institution, and immediately work in the field. The AAS is designed to prepare the student for the workplace in law enforcement or corrections. This department also features a certificate in Emergency Management. This fully online 21-credit program allows the student to study the basics involved in the management of disasters and emergencies. All faculty members
Sophomore Year

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CRMJ 2120</td>
<td>INTRODUCTION TO CRIMINAL JUSTICE</td>
<td>3</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<td>APPROVED MATH COURSE</td>
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<td></td>
<td>APPROVED APPLIED ART OR COMMUNICATION</td>
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<td></td>
<td>APPROVED HUMANITIES COURSE</td>
<td>3-4</td>
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<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 16-17

Freshman Year - Fall Semester Notes:
- Approved Math Course can be fulfilled by Problem Solving (MATH 1000) or College Algebra (MATH 1400).
- Approved Applied Art or Communication Course can be fulfilled by Public Speaking (COMM 2100), Nonverbal Communication (COMM 2110), Ceramics I (ART 2410), or Acting (THEA 1100).
- Approved Humanities Course can be fulfilled by First Year Spanish I (SPAN 1010), Interpersonal Communication (COMM 1030), American Sign Language I (ASL 1200), Introduction to Mass Media (COMM 1050), or Conflict Management & Mediation (COMM 1090).

Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CRMJ 2400</td>
<td>CRIMINOLOGY</td>
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<td>ENGL 2005</td>
<td>TECHNICAL WRITING</td>
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<td>POLS 1000</td>
<td>AMERICAN &amp; WYOMING</td>
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<td>APPROVED COMMUNICATION COURSE</td>
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<td>SOC 1000</td>
<td>SOCIOLOGICAL PRINCIPLES</td>
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<td>CMAP 1500</td>
<td>COMPUTER KEYBOARDING</td>
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</table>

Subtotal: 16-17

Freshman Year - Spring Semester Notes:
- Approved Humanities Course can be fulfilled by First Year Spanish II (SPAN 1020), Interpersonal Communication (COMM 1030), Introduction to Human Communication (COMM 1040), or American Sign Language II (ASL 1220).

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CRMJ 2210</td>
<td>CRIMINAL LAW I</td>
<td>3</td>
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<tr>
<td>SOC 2350</td>
<td>RACE &amp; ETHNIC RELATIONS</td>
<td>3</td>
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<tr>
<td>BIOL 1003</td>
<td>CURRENT ISSUES IN BIOLOGY</td>
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<td></td>
<td>APPROVED EMERGENCY MANAGEMENT COURSE</td>
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<tr>
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<td>STATISTICS COURSE</td>
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</tr>
</tbody>
</table>

Subtotal: 17

Sophomore Year - Fall Semester Notes:
- Approved Emergency Management Course can be fulfilled by Principles of Emergency Management (EMGT 1500), Emergency Planning for Disaster (EMGT 1530), Emergency Operations Center (EMGT 1630), Emergency Resource Management (EMGT 1650), Disaster Exercise Design & Evaluation (EMGT 2610), or Disaster Resource & Recovery Operations (EMGT 2640).
- Statistics Course can be fulfilled by Fundamentals of Statistics (STAT 2050) or Statistics for Social Science (STAT 2070).

Freshman Year – Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>DANC 1021</td>
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<td>DANC 1410</td>
<td>BALLET II</td>
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<td>DANC 1430</td>
<td>MODERN DANCE II</td>
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<tr>
<td>DANC 1450</td>
<td>TAP DANCE I</td>
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<tr>
<td>THEA 2471</td>
<td>THEATRE &amp; DANCE PRACTICUM I</td>
<td>1</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<tr>
<td></td>
<td>APPROVED MUSIC COURSE</td>
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</tr>
<tr>
<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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</tr>
<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 16

Dance, Entertainment Industry, Associate of Arts

Dance, Entertainment Industry offers students the opportunity to study the individual art form of dance, as well as its relationship to the other performing arts of theatre, music, and technical theatre. Dance provides the foundation for performing careers in live dance, theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensely collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians and musicians beyond dance. It is possible for a student who obtains an A.A. in Dance to earn between $10 - $15 per hour as a performer with dance or theatre companies across the country; however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Dance degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B. A. or B.F.A. in Dance may be sufficient for those interested in performing, generally two to three years of graduate study leading to a Master's degree (for educators), an M. F. A. (for higher education careers) may be required.

Degree Requirements
**Freshman Year - Fall Semester Notes:**
- Approved Music Course can be fulfilled by Intro to Music (MUSC 1000) or Music Fundamentals (MUSC 1010).
- Health & Human Activity requirement can be fulfilled with courses from the PEAC prefix or HLED 1003.

**Freshman Year - Spring Semester**
- DANC 1420 BALLET I/II 2
- DANC 1440 MODERN DANCE I/II 2
- DANC 1480 JAZZ DANCE I 2
- APPROVED DANCE COURSE 2
- THEA 2471 THEATRE & DANCE PRACTICUM I 1
- MATH 1000 PROBLEM SOLVING 3
- ENGL 1020 ENGLISH COMPOSITION II 3
- SOCIAL SCIENCE 3-4

**Spring Semester Notes:**
- Approval Dance Course can be fulfilled by Dance Improvisation (DANC 2212) or Dance Choreography (DANC 2215).
- Social Science requirement can be fulfilled by Intro to Women’s Studies (SOC 1080), General Psychology (PSYC 1000), Introduction to Cultural Anthropology (ANTH 1200), or World Culture (ANTH 2200).

**Sophomore Year - Fall Semester**
- DANC 2410 BALLET I/II 3
- DANC 2450 TAP DANCE II 2
- DANC 2480 JAZZ DANCE II 2
- THEA 1100 ACTING 3
- THEA 2471 THEATRE & DANCE PRACTICUM I 1
- APPROVED SCIENCE COURSE 4
- HUMANITIES ELECTIVE 3

**Fall Semester Notes:**
- Approval Dance Course can be fulfilled by Current Issues in Biology (BIOL 1003) or General Biology (BIOL 1010).
- Humanities Elective can be filled with American Literature (ENGL 2310), Film Appreciation (ENGL 2470), or Intro to Humanities (HUMN 1010).

**Sophomore Year - Spring Semester**
- DANC 1490 CONTEMPORARY JAZZ DANCE 2
- DANC 2420 BALLET III/IV 3
- APPROVED DANCE COURSE 2
- DANC 2455 TAP REPERTORY AND IMPROVISATION 2
- THEA 2471 THEATRE & DANCE PRACTICUM I 1
- HEALTH & HUMAN ACTIVITY 1
- US & WYOMING CONSTITUTION 3
- HMDV 2411 ASSESSMENT REQUIREMENT

**Spring Semester Notes:**
- Approval Dance Course can be fulfilled by Dance Improvisation (DANC 2212) or Dance Choreography (DANC 2215).
- Health & Human Activity requirement can be fulfilled with courses from the PEAC prefix or HLED 1003.
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

**Sophomore Year - Fall Semester Notes:**
- Approval Dance Course can be fulfilled by Dance Improvisation (DANC 2212) or Dance Choreography (DANC 2215).
- Health & Human Activity requirement can be fulfilled with courses from the PEAC prefix or HLED 1003.

<table>
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<tr>
<th>Course</th>
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<tr>
<td>DANC 1440 MODERN DANCE I/II</td>
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<td>DANC 1480 JAZZ DANCE I</td>
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<tr>
<td>THEA 2471 THEATRE &amp; DANCE PRACTICUM I</td>
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<tr>
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<tr>
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<tr>
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<tr>
<td>DANC 2450 TAP DANCE II</td>
<td>2</td>
</tr>
<tr>
<td>DANC 2480 JAZZ DANCE II</td>
<td>2</td>
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<td>THEA 1100 ACTING</td>
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<td>THEA 2471 THEATRE &amp; DANCE PRACTICUM I</td>
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<tr>
<td>APPROVED SCIENCE COURSE</td>
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<tr>
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<td>DANC 2420 BALLET III/IV</td>
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<tr>
<td>APPROVED DANCE COURSE</td>
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<tr>
<td>DANC 2455 TAP REPERTORY AND IMPROVISATION</td>
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<td>THEA 2471 THEATRE &amp; DANCE PRACTICUM I</td>
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<tr>
<td>APPROVED DANCE COURSE</td>
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<tr>
<td>DANC 2455 TAP REPERTORY AND IMPROVISATION</td>
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<tr>
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<td>US &amp; WYOMING CONSTITUTION</td>
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<tr>
<td>HMDV 2411 ASSESSMENT REQUIREMENT</td>
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</table>

**Subtotal:** 65-66

**Total Credit Hours:** 65-66

The Dance Program core context courses (Dance Composition, Dance Somakinesis, Dance History, and Dance Pedagogy) will be offered on an alternating year basis.

**Diesel and Heavy Equipment Technology, Associate of Applied Science**

The Diesel & 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.

**Degree Requirements**

**Freshman Year - Fall Semester**
- AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3
- AUTO 1766 AUTOMOTIVE ELECTRICAL SYSTEMS II 3
- AUTO 1770 AUTOMOTIVE ELECTRONICS 3
- DESL 1595 DIESEL FUNDAMENTALS 3
- INDM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
- HMDV 1005 1ST YEAR SUCCESS 1

**Fall Semester Notes:**
- Approval Dance Course can be fulfilled by Dance Composition, Dance Somakinesis, Dance History, and Dance Pedagogy.

**Subtotal:** 16

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DESL 1600 DIESEL ENGINES</td>
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<tr>
<td>DESL 1625 DIESEL ENGINE MANAGEMENT I</td>
<td>3</td>
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<tr>
<td>INDM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER)</td>
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<tr>
<td>INDM 1585 INDUSTRIAL HYDRAULICS III</td>
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**Subtotal:** 18

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<tr>
<td>COMM 1030 INTERPERSONAL COMMUNICATION</td>
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<tr>
<td>CMAP 1200 COMPUTER INFORMATION SYSTEMS</td>
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<tr>
<td>PHYS 1050 CONCEPTS OF PHYSICS</td>
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<tr>
<td>DESL 1635 DIESEL ENGINE MANAGEMENT II</td>
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<td>ENGL 2005 TECHNICAL WRITING</td>
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<td>ENGL 2005 US &amp; WYOMING CONSTITUTION</td>
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**Subtotal:** 19

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<thead>
<tr>
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<tbody>
<tr>
<td>AUTO 1760 HEATING AND AIR CONDITIONING</td>
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</tr>
<tr>
<td>WELD 1755 SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600 INDUSTRIAL SAFETY</td>
<td>3</td>
</tr>
<tr>
<td>MAJOR AREA COURSES</td>
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<tr>
<td>HMDV 2411 ASSESSMENT REQUIREMENT</td>
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</table>

**Subtotal:** 15
Sophomore Year - Spring Semester Notes:

- Major Area Courses can be fulfilled with any directly related course from the following prefixes: AUTO, CMPT, DESL, ELTR, INDM, MCH, MINE, OGPT, TECH, or WELD.

Subtotal: 68
Total Credit Hours: 68

All courses in the Technology and Industry prefixes (AUTO, DESL, INDM, TECH, and WELD) must be completed with a "C" or better to earn the Diesel and Heavy Equipment Technology degree.

**Diesel Technology Certificate**

**Degree Requirements**

**Required Courses**

Students must complete the following required courses (30-31 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AUTO 1760</td>
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<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>
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<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS</td>
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<td>DESL 1635</td>
<td>DIESEL ENGINE MANAGEMENT II</td>
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<tr>
<td></td>
<td>APPROVED DIRECTLY RELATED ELECTIVES</td>
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</tbody>
</table>

Subtotal: 30-31

Required Course Notes:
- Approved directly related course can be fulfilled by Intro to Technical Mathematics (TECH 1000) or Concepts of Physics (PHYS 1050).

**Additional Credits**

In addition to the required courses complete a minimum of 5 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AFVT 1600</td>
<td>LIGHT-DUTY DIESEL ENGINE PERFORMANCE I</td>
<td>3</td>
</tr>
<tr>
<td>AFVT 1610</td>
<td>LIGHT-DUTY DIESEL ENGINE PERFORMANCE II</td>
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<tr>
<td>DESL 1590</td>
<td>HEAVY DUTY POWER TRAINS</td>
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<tr>
<td>DESL 1680</td>
<td>HD BRAKE &amp; SUSPENSION</td>
<td>6</td>
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<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
<td>3</td>
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<td>INDM 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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<td>INDM 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
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<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER)</td>
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<td>INDM 1585</td>
<td>INDUSTRIAL HYDRAULICS III</td>
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<tr>
<td>TTD 1500</td>
<td>NOVICE CDL TRAINING</td>
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Subtotal: 5

Total Credit Hours: 35-36

All above courses must be completed with a "C" or better to earn the Diesel Technology Certificate.

**Diesel Technology, Mining Industry Certificate**

**Degree Requirements**

**Required Courses**

Students must complete the following required courses (39 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>BRAKE SYSTEMS</td>
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</tr>
<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I</td>
<td>3</td>
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</table>

Subtotal: 35-36
Total Credit Hours: 35-36
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.

Degree Requirements

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CMAP 1860</td>
<td>INTRO TO DIGITAL DESIGN TECHNOLOGIES</td>
<td>3</td>
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<tr>
<td>CMAP 2600</td>
<td>COMPUTER GRAPHICS: PHOTOSHOP</td>
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Second Semester

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<tr>
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<tr>
<td>CMAP 1870</td>
<td>DIGITAL ILLUSTRATION DESIGN:</td>
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<tr>
<td>CMAP 1865</td>
<td>DIGITAL PAGE LAYOUT DESIGN:</td>
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<tr>
<td>COSC 2360</td>
<td>WEB PAGE DYNAMICS &amp; SCRIPTING</td>
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Third Semester

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<tr>
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<tr>
<td>COSC 2350</td>
<td>WEB DEVELOPMENT II</td>
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<td>CMAP 1885</td>
<td>DIGITAL DESIGN PUBLISHING:</td>
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<td>CMAP 2895</td>
<td>DIGITAL DESIGN TECHNOLOGIES</td>
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Subtotal: 20

Total Credit Hours: 20

All above courses must be completed with a "C" or better to earn the Digital Design Technologies certificate.

Directed Interdisciplinary Studies, AA or AS Degree

While guiding students through pre-established pathways is the best way to guarantee them a balanced, solid degree that is completed on time, there are students for whom this plan does not work. Many students really want to have the freedom to explore multiple disciplines. This is because they are crafting their own major for later transfer purposes, they want to look at the intersections of and interrelations between disciplines, or they want to take a classical liberal arts approach to their education. These desires are not sufficiently served by our existing majors.

The directed interdisciplinary studies program would be for students whose goals cannot be met by our existing majors. Instead of providing minimal guidance and degree coherence for those students, this program would support students in making good choices that would encourage completion of a well-thought out program.

Procedure:

Prospective DIS students will meet with the ACE IT center or advisor to establish their interest in the program.

After the consultation, students would fill out a DIS application, including a one-page essay explaining their ideas for their proposed program and their reasoning for wanting to adopt said program.

The ACE IT center would communicate with relevant departments in order to find the most appropriate two advisors to co-advice the student. These advisors, along with an ACE IT center representative, would go over the application and decide whether or not to approve.

Once a student is approved, a primary advisor is designated; however, the student would be encouraged to check in with the secondary advisor each semester as well. The onus for doing this would be on the student, as with any other advising situation.

Electrical and Instrumentation Technology, Associate of Applied Science

The Electrical & Instrumentation Technology program offers core courses related to Industrial Electrical Systems and Process Control. The program is designed to develop technical knowledge regarding electrical systems and instrumentation to prepare students to enter careers as I&E Technicians in a variety of industries. The curriculum was developed in partnership with local industries including Chemical Manufacturing, Mining, Electrical Power Plants, and Oil & Gas Production. This program provides training that meets these industries expectations. Students will develop skills needed to install, test, inspect, and maintain equipment and instrumentation designed to measure, record, and implement changes in industrial environments. Upon completion of this program, graduates can expect to find high-demand, well paid employment anywhere in the world. These individuals generally work 40-hour weeks on rotating shifts, perform tasks requiring high mental aptitude and physical ability, while working with a variety of materials and equipment. Most technicians in the local area can expect an annual starting wage of $50,000. This career path has a high probability of advancement depending on technical ability and personal drive.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>ELECTRICAL ASSEMBLY &amp; MEASURE</td>
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<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
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</tr>
<tr>
<td>ELTR 1530</td>
<td>BASIC ELECTRICITY, AC</td>
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</table>
### Freshman Year - Fall Semester
- **PHYS 1000** Concepts of Physics 4
- **ENGL 1010** English Composition I 3
- **HMDV 1005** 1st Year Success 1

**Subtotal:** 17

**Notes:**
- PHYS 1000 can be replaced by a college level math course.

### Freshman Year - Spring Semester
- **ELTR 1840** Instrumentation I 3
- **ELTR 2885** Instrumentation II 3
- **ELTR 2840** Motor Controls 3
- **CMAP 1200** Computer Information Systems 3
- **ENGL 2005** Technical Writing 3

**Subtotal:** 15

### Sophomore Year - Fall Semester
- **ELTR 2820** Power Distribution 3
- **ELTR 2815** Programmable Logic Controllers 3
- **ELTR 2825** Industrial Electrical Troubleshooting 3
- **ELTR 2620** Control System Communications 3
- **ELTR 2855** Advanced Programmable Logic Controllers 3
- **ELTR 2890** Instrumentation III 3

**Subtotal:** 18

**Notes:**
- ELTR 2620, ELTR 2855, and ELTR 2890 can be replaced with any directly related course from the following prefixes: AUTO, CMPT, COSC, DESL, ELTR, ES, INDM, MATH, MINE, MCH, OGPT, PHYS, TECH, and WELD.

### Sophomore Year - Spring Semester
- **COMM 1030** Interpersonal Communication 3
- **INDM 1590** Industrial Pneumatics 3
- **TECH 1600** Industrial Safety 3
- **TECH 1680** Reading Technical Schematics 3
- **HMDV 2411** Assessment Requirement 3

**Subtotal:** 15

**Notes:**
- INDM 1590, TECH 1600, and TECH 1680 can be replaced with any directly related course from the following prefixes: AUTO, CMPT, COSC, DESL, ELTR, ES, INDM, MATH, MINE, MCH, OGPT, PHYS, TECH, and WELD.
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

**Subtotal:** 65

**Total Credit Hours:** 65

All core ELTR courses must be completed with a "C" or better to earn the Electrical and Instrumentation Technology degree.

---

### Electrical Apprenticeship Certificate

**Degree Requirements**

**Apprentices of Independent Electrical Contractors**
- **ELAP 1515** Electrical Apprenticeship I 3
- **ELAP 1525** Electrical Apprenticeship II 3
- **ELAP 1535** Electrical Apprenticeship III 3
- **ELAP 1545** Electrical Apprenticeship IV 3
- **ELAP 1555** Electrical Apprenticeship V 3
- **ELAP 1565** Electrical Apprenticeship VI 3
- **ELAP 1575** Electrical Apprenticeship VII 3
- **ELAP 1585** Electrical Apprenticeship VIII 3

**Subtotal:** 24

**Total Credit Hours:** 24

### Electrical, Instrumentation, Control Technology Certificate

**Degree Requirements**

**Required Core Curriculum of minimum 23.5-24 credits:**
- **ELTR 1505** Electrical Assembly & Measure 3
- **ELTR 1520** Basic Electricity, DC 3
- **ELTR 1530** Basic Electricity, AC 3
- **ELTR 1545** Approved Electrical Technology Course 2.5-3
- **ELTR 2815** Programmable Logic Controllers 3
- **ELTR 2840** Motor Controls 3
- **ELTR 2885** Instrumentation II 3
- **TECH 1000** Intro to Technical Mathematics 3

**Subtotal:** 23.5-24

**Notes:**
- Approved Electrical Technology Course can be fulfilled by Instrumentation I (ELTR 1840), Instrumentation I for Industry (ELTR 1841), or Instrumentation-Oil & Gas Production (ELTR 1850).
- TECH 1000 can be replaced by a college level math (MATH 1000 or higher).
- All above core courses must be completed with a "C" or better to earn the Electrical, Instrumentation, Control Technology Certificate.

**Remaining minimum 12-12.5 credit hours to be selected from the following:**
- **ELTR 1035** Process Control Techniques: 1-3
- **ELTR 1700** Introduction to Solid State Electronics 3
- **ELTR 1760** Intro to Digital Electronics 3
- **ELTR 2620** Control System Communications 3
- **ELTR 2820** Power Distribution 3
- **ELTR 2825** Industrial Electrical Troubleshooting 3
- **ELTR 2830** Power Distribution II 3
- **ELTR 2855** Advanced Programmable Logic Controllers 3
- **ELTR 2890** Instrumentation III 3
- **ELTR 2980** Co-op Work Experience: Electrical & Instrumentation Any Electrical Apprenticeship Course (ELAP) Max 3

**Subtotal:** 12-12.5
### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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<td>INDUSTRIAL SAFETY</td>
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</tr>
<tr>
<td>TECH 1680</td>
<td>READING TECHNICAL SCHEMATICS</td>
<td>3</td>
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<tr>
<td>EDEL 1000</td>
<td>COMPUTER APPLICATIONS</td>
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<td>EDEL 1410</td>
<td>EDUCATION EXPERIENCE</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>EDCI 1450</td>
<td>INTRODUCTION TO CLASSROOM MANAGEMENT</td>
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<tr>
<td>MATH 1100</td>
<td>NUMBER &amp; OPERATIONS ELEM SCH TCHRRS</td>
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<tr>
<td>EDEL 1410</td>
<td>MATH FOR ELEMENTARY SCHOOL</td>
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<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
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</table>

**Subtotal: 12-12.5**

**Total Credit Hours: 35.5-36.5**

#### Elementary and Early Childhood Education, Associate of Arts

Teachers change lives by opening new worlds for students and inspiring them to reach their goals. An early childhood education is an educational specialty designed to prepare students to work with children and their families in various settings from birth through third grade. An elementary education prepares individuals who are interested in a teaching career in a public or private school setting from kindergarten through the sixth grade. Western’s teaching preparation focuses on current and innovative teaching theories including the implementation of a service learning project, technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, literacy for children, lesson design, educational psychology, and elementary science and math preparation. The students experience hands-on what it means to be a preschool and/or elementary school teacher because the program provides them the opportunity to participate in preschool and/or public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforced by the teachers, they give students real-world teaching practices, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor’s degree program. Students wanting to enter the teaching field must obtain at least a bachelor’s degree in education. Therefore, Western’s education program has specific pathways that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<td>HEALTH FOR ELEMENTARY EDUCATORS</td>
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<tr>
<td>MATH 1105</td>
<td>DATA, PROBABILITY, ALGEBRA ELEM SCH TCHRRS</td>
<td>3</td>
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</table>

**Subtotal: 16**

#### Freshman Year - Spring Semester Notes:
- Approved English Course can be fulfilled by Writing Studies (ENGL 2019) or English Composition II (ENGL 1020).

#### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 2120</td>
<td>GEOMETRY &amp; MEASUREMENT ELEM SCH TCHRRS</td>
<td>3</td>
</tr>
<tr>
<td>EDFD 2100</td>
<td>EDUCATIONAL PSYCHOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>ITEC 2360</td>
<td>TEACHING WITH TECHNOLOGY</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

#### Sophomore Year - Fall Semester Notes:
- Approved History Course can be fulfilled by U.S. to 1865 (HIST 1211) or U.S from 1865 (HIST 1211). Students transferring to UW should take POLS 1000 in place of HIST 1211.
- Approved English Course can be fulfilled by Women in Literature (ENGL 2250) or Native American Literature (ENGL 2340).

#### Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEX 2484</td>
<td>INTRODUCTION TO SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDEL 2280</td>
<td>LITERATURE FOR CHILDREN</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1000</td>
<td>INTRO TO MUSIC</td>
<td>3</td>
</tr>
<tr>
<td>G&amp;R 1050</td>
<td>INTRODUCTION TO NATURAL RESOURCES</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal: 17**

#### Sophomore Year - Spring Semester Notes:
- Approved Science course, 4 credits, can be fulfilled by Physical Geology (GEOL 1100), Introductory Chemistry (CHEM 1050), or Concepts of Physics (PHYS 1050).
- Approved Service Course, 1 credit, can be fulfilled by Physical Science in the Elementary School (EDCI 1440) or Earth Science in the Elementary School (EDCI 1450).
- Students taking PHYS 1050 or CHEM 1000 should take EDCI 1440. Students taking GEOL 1100 should take EDCI 1450.

**Subtotal: 64**

**Total Credit Hours: 64**

Students transferring to Utah schools must take MATH 1100, MATH 1105, & MATH 1400 in the same academic year.

#### Elementary and Early Childhood Education, Associate of Science

Teachers change lives by opening new worlds for students and inspiring them to reach their goals. An early childhood education is an educational specialty designed to prepare students to work with children and their families in various settings from birth through third grade. An elementary education prepares individuals who are interested in a teaching career in a public or private school setting from kindergarten through the sixth grade. Western’s teaching preparation focuses on current and innovative teaching theories including the implementation of a service learning project,

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1003</td>
<td>CURRENT ISSUES IN BIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>EDCI 1430</td>
<td>LIFE SCIENCE IN THE ELEMENTARY SCHOOL</td>
<td>1</td>
</tr>
<tr>
<td>EDFD 2020</td>
<td>FOUNDATIONS OF EDUCATION</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>APPROVED ENGLISH COURSE</td>
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</tr>
</tbody>
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**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1003</td>
<td>CURRENT ISSUES IN BIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>EDCI 1430</td>
<td>LIFE SCIENCE IN THE ELEMENTARY SCHOOL</td>
<td>1</td>
</tr>
<tr>
<td>EDFD 2020</td>
<td>FOUNDATIONS OF EDUCATION</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>APPROVED ENGLISH COURSE</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Total Credit Hours: 35.5-36.5**
technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, literacy for children, lesson design, educational psychology, and elementary science and math preparation. The students experience hands-on what it means to be a preschool and/or elementary school teacher because the program provides them the opportunity to participate in preschool and/or public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforce by the teachers, they give students real-world teaching practices, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor’s degree program. Students wanting to enter the teaching field must obtain at least a bachelor’s degree in education. Therefore, Western’s education program has specific pathways that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

Degree Requirements

### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG1</td>
<td>EDUCATION EXPERIENCE</td>
<td>2</td>
</tr>
<tr>
<td>EDG1</td>
<td>PROSPECTIVE TCHRS</td>
<td></td>
</tr>
<tr>
<td>EDG1</td>
<td>INTRODUCTION TO CLASSROOM MANAGEMENT</td>
<td>2</td>
</tr>
<tr>
<td>EDEL</td>
<td>MATH FOR ELEMENTARY SCHOOL TEACHERS I</td>
<td>1</td>
</tr>
<tr>
<td>MATH</td>
<td>NUMBER &amp; OPERATIONS ELEM SCHOOL TCHRS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC</td>
<td>INTRO TO MUSIC</td>
<td>3</td>
</tr>
<tr>
<td>HMDV</td>
<td>1ST YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 15

### Freshman Year - Spring Semester Notes:
- Students transferring outside of Wyoming should take Psychology (PSYC 1000) instead of Introduction to Music (MUSC 1000).

### Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG1</td>
<td>LIFE SCIENCE IN THE ELEMENTARY SCHOOL</td>
<td>1</td>
</tr>
<tr>
<td>EDG1</td>
<td>FOUNDATIONS OF EDUCATION</td>
<td>4</td>
</tr>
<tr>
<td>HLED</td>
<td>HEALTH FOR ELEMENTARY EDUCATORS</td>
<td>1</td>
</tr>
<tr>
<td>MATH</td>
<td>DATA, PROBABILITY, ALGEBRA ELEM SCH TCHRS</td>
<td>3</td>
</tr>
<tr>
<td>BIOL</td>
<td>CURRENT ISSUES IN BIOLOGY</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 16

### Sophomore Year - Fall Semester Notes:
- Approved English Course can be fulfilled by Writing Studies (ENGL 2019) or English Composition II (ENGL 1020).

### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG1</td>
<td>EDUCATIONAL PSYCHOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>ITIC</td>
<td>TEACHING WITH TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>GEOMETRY &amp; MEASUREMENT ELEM SCH TCHRS</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>APPROVED HISTORY COURSE</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>APPROVED ENGLISH COURSE</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

### Sophomore Year - Spring Semester Notes:
- Approved Science Course, 4 credits, can be fulfilled by Physical Geology (GEOL 1100), Introductory Chemistry (CHEM 1000), or Concepts of Physics (PHYS 1050).
- Approved Science Course, 1 credit, can be fulfilled by Physical Science in the Elementary School (EDCI 1440) or Earth Science in the Elementary School (EDCI 1450).
- Students taking GEOL 1100 should also enroll in Earth Science in the Elementary School EDCI 1450.

### Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEX</td>
<td>INTRODUCTION TO SPECIAL EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>EDEL</td>
<td>LITERATURE FOR CHILDREN</td>
<td>3</td>
</tr>
<tr>
<td>EDEC</td>
<td>INTRODUCTION TO EARLY CHILDHOOD EDUCATION</td>
<td>3</td>
</tr>
<tr>
<td>G&amp;R</td>
<td>INTRODUCTION TO NATURAL RESOURCES</td>
<td>4</td>
</tr>
<tr>
<td>HMDV</td>
<td>ASSESSMENT REQUIREMENT</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 17

### Total Credit Hours: 64

Students should work closely with an advisor. Course options are available based on transfer plans, however, as least 3 credits of a Humanities or Applied Arts must be completed for graduation.

Students transferring to Utah schools must take MATH 1200, MATH 1105, and MATH 1400 in the same academic year.

### 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.

### Degree Requirements

#### Required Core Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMGT</td>
<td>PRINCIPLES OF EMERGENCY MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

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Students transferring outside of Wyoming should replace HIST 1211 with POLS 1000.

Students transferring to the University of Wyoming should replace HIST 1211 with POLS 1000.

Students transferring to Utah should replace MATH 2120 (ENGL 2340).

Approved English Course can be fulfilled by U.S. to 1865 (HIST 1211) or U.S from 1865 (HIST 1221).

Approved English Course can be fulfilled by Women in Literature (ENGL 2250) or Native American Literature (ENGL 2340).

Students transferring to Utah should replace MATH 2120 with MATH 1400.

Students transferring outside of Wyoming should replace ENGL 2250 with PSYC 2300.
Emergency Medical Services

Associate of Applied Science Degree in Emergency Medical Services Program

Western Wyoming Community College offers a program leading to an Associate of Applied Science Degree in Emergency Medical Services. Successful completion of the program allows the graduate to take the Wyoming State Intermediate Emergency Medical Technician licensure examination and the student is also eligible to take the National Registry of EMT's (NREMT) National Certification Examination. Upon licensure, the IEMT practices in settings where policies and procedures are specified and guidance is available. The goal of Western Wyoming Community College is to educate competent beginning EMT's.

The faculty has developed a learning environment that fosters interaction between the students and faculty. Because EMS practice is ever changing, the faculty utilizes active student learning to promote competence. Students are given opportunities to learn and to practice their skills in a variety of settings where people need care.

Admission

The EMS department provides information to all students via inquiry to the department. In addition to the regular college admission requirements, prospective EMS students must meet admission requirements of the EMS program to be considered for admission. Interested applicants should contact one of the EMS Department faculty for specific requirements.

EMS Department Faculty

Andrew Appleby, RN, RPT
EMS Instructor
Office: W3TC Room 108
Phone: 307-382-1834
Email: aappleby@westernwyoming.edu

Jordan Plant, EMT
EMS Instructor
Office: W3TC Room 108
Phone: 307-382-1830
Email: jplant@westernwyoming.edu

Choose 4 courses (12 credits) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMGT 1530</td>
<td>EMERGENCY PLANNING FOR DISASTER</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 1630</td>
<td>EMERGENCY OPERATIONS CENTER</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 1650</td>
<td>EMERGENCY RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 2610</td>
<td>DISASTER EXERCISE DESIGN &amp; EVALUATION</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 2640</td>
<td>DISASTER RESOURCE &amp; RECOVERY OPERATIONS</td>
<td>3</td>
</tr>
</tbody>
</table>

Take the following course twice (6 credits total):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRMJ 1015</td>
<td>HOMELAND SECURITY</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 12

Subtotal: 21

Total Credit Hours: 21

Associate of Applied Science Degree in Emergency Medical Services Admissions

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

To apply for the emergency medical services program:

- Complete WWCC admissions process. Receive acceptance to the college.
- Complete the Emergency Medical Services Program application by contacting the EMS Department and having one sent electronically to the student and returned to the EMS Department by the application deadline. Application information available at any time by contacting the EMS Department Faculty.
- Achieve a grade point average of 2.5 or higher on a 4.0 scale from prerequisite courses.
- Complete prerequisite courses with a “C” or better.

Admission Criteria:

Completed required additional prerequisites as described below:

- Current CPR, American Heart Association- Basic Life Support for Health Care Providers (or contact the EMS Department for acceptable equivalent certifications) (Copy of Card Required).
- Students must be able to lift at least 60 pounds.
- Proof of current immunizations to include current Tb, MMR and tetanus and varicella or documented Chicken Pox. Proof of Hepatitis B series having been started or proof of previous immunization must be provided.
- Pass the WWCC reading, comprehension and math Assessment test(s) with a score of 75 or higher, or documented equivalent (ACT or SAT scores)
- If applying for acceptance as an Advanced Placement Student, Current, valid Wyoming Licensure as an EMT or AEMT, (This will be validated within the State System), please contact the EMS department faculty for more information.
- If the student is applying as an Unlicensed Individual, seeking initial EMT licensure in the State of Wyoming, the following two prerequisites will apply:
  - Pass drug/alcohol screening (at student’s expense).
  - Pass background check (at student’s expense).

Admission Process:

Students may discuss admission criteria and obtain application materials by contacting one of the EMS Faculty. The total number of students accepted each year is 16 for fall admission and a combined number of 16 students at the Advanced Levels in the spring. Qualified applicants who have not been admitted will be 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

Students whom are already licensed at the EMT level and are wishing to advance their level of licensure may apply to enter the
EMS program advanced level courses as advanced placement students, based on space availability if all other admission requirements are met. Admission into the program is granted by instructor permission for these students, see admission criteria below for more details.

**To apply for the Emergency Medical Services Program:**

- Complete WWCC admissions process. Receive acceptance to the college.
- Complete the Emergency Medical Services Program application by contacting the EMS Department and having one sent electronically to the student and returned to the EMS Department by the application deadline. Application information available at any time by contacting the EMS Department Faculty.
- Current, valid Wyoming Licensure as an EMT or AEMT.

**Admission Criteria:**

Completed required additional prerequisites as described below:

- If applying for acceptance as an Advanced Placement Student, current, valid Wyoming Licensure as an EMT or AEMT. (This will be validated within the State System), please contact the EMS department faculty for more information.
- Current CPR, American Heart Association- Basic Life Support for Health Care Providers (or contact the EMS Department for acceptable equivalent certifications) (Copy of Card Required).
- Students must be able to lift at least 60 pounds.
- Proof of current immunizations to include current Tb, MMR and tetanus and varicella or documented Chicken Pox. Proof of Hepatitis B status or declination.
- Proof of Health Care Provider or CPR for the Professional Rescuer
- Proof of Tdap immunization
- Proof of no criminal record
- Proof of negative drug screen
- Proof of immunity for mumps, measles, rubella (MMR)
- Proof of Influenza vaccine status or declination annually
- Proof of immunity for Varicella (chicken pox) or have had chicken pox
- Orientation to HIPPA requirements

**Career Mobility**

Students who meet the requirements for progression may complete the program for the Associate of Applied Science Degree in Emergency Medical Services. Those students are then eligible to take both the state of Wyoming licensure examination for the Intermediate Emergency Medical Technician and the National Registry examination to become an IEMT. Exit points for lesser licensure are provided at the EMT and AEMT levels as well. Students who already possess a valid Wyoming EMS licensure for the EMT or AEMT level may apply for advanced placement within the program if the student meets the specific course prerequisite requirements for the level of licensure they are pursuing.

**Expenses**

Students in the emergency medical services program will incur certain expenses, including the cost of clinical apparel, and travel costs for out of town clinical opportunities, 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 students, special awards and funds may be available to qualified Emergency Medical Services students. For information about financial assistance, contact Mustang Central.

**Wyoming State Office of EMS Policies to Protect the Public**

The following history information must be reported in writing to the Wyoming State Office of EMS when submitting an application for any level of EMS provider licensure: not have been convicted of a criminal offense against a person, a felony, an offense against morals, decency and family, even if pardoned, expunged, dismissed or deferred. The WSOEMS requires an official background check of all applicants. Applicants will not be denied the opportunity to take the competency examination for EMS Licensure; however, the WSOEMS may deny certification or licensure based on history revealed through the background check and history information. Please refer to the WOEMS website for additional information regarding the application process and contact information.

**WWCC Policies to Protect the Public**

The Western Wyoming Community College Emergency Medical Services Program has several policies in place to protect the public. These policies include:

- Proof of immunity for mumps, measles, rubella (MMR)
- Proof of TB status annually
- Proof of Influenza vaccine status or declination annually
- Proof of Tdap immunization
- Proof of negative drug screen
- Proof of no criminal record on background check
- Proof of Health Care Provider or CPR for the Professional Rescuer
- Proof of Hepatitis B status or declination
- Proof of immunity for Varicella (chicken pox) or have had chicken pox
- Orientation to HIPPA requirements

Students may also be required to participate in agency orientation prior to beginning a clinical experience.

**A student who fails to meet the above clinical requirements may be dismissed from the program.**

The program is approved by the Wyoming State Office of Emergency Medical Services.

**Wyoming Department of Health Public Health Division Office of Emergency Medical Services & Trauma 6101 Yellowstone Road Cheyenne, WY 82002**

Main Office: (307) 777-7955
Toll Free in Wyoming: (888) 228-8996
Fax: (307) 777-5639

**Emergency Medical Services, Associate of Applied Science**

The Emergency Medical Services program leads to an Associate of Applied Science Degree in Emergency Medical Services. Successful completion of the program allows the graduate to take the Wyoming State Intermediate Emergency Medical Technician licensure examination and the student is also eligible to take the National Registry of EMT’s (NREMT) National Certification Advanced Emergency Medical Technician Examination. Throughout the program, students will be gradually licensed at
various levels of increasing responsibility and scope of practice culminating with the Wyoming Intermediate License at completion.

Key core concepts of EMS education will be emphasized throughout the program; however, all students will obtain exposure to all core content. These topics range from extensive knowledge of many patient medical complaints involving all body systems of the human body to administrative responsibilities and operational responsibilities of the EMS Professional. Throughout the student’s progression in coursework, these same topics will be covered but an ever-increasing depth and breadth of knowledge will be presented and built upon from one level to the next.

Upon licensure, the IEMT practices in settings where policies and procedures are specified and guidance is available. This mid-level training enables students to seek employment in the field of pre-hospital emergency medicine as paid or volunteer providers in a variety of work environments including EMS and Fire Departments, Hospital Emergency Departments and in some cases industrial sites, mines and production facilities. It can also provide an important professional link into other allied health professions. Starting salaries are highly variable, depending on the specific work environment but generally one could earn between $12 and $18 per hour.

Degree Requirements

**Freshman Year - Fall Semester**

- EMT 1690  EMERGENCY MEDICAL TECHNICIAN  8
- HLTK 1200  MEDICAL TERMINOLOGY  2
- BIOL 1010  GENERAL BIOLOGY  4
- ENGL 1010  ENGLISH COMPOSITION I  3
- HMDV 1005  1st YEAR SUCCESS  1

Subtotal: 18

**Freshman Year - Spring Semester**

- EMT 2500  ADVANCED EMERGENCY MEDICAL TECHNICIAN  8
- BIOL 2010  HUMAN ANATOMY & PHYSIOLOGY I  4
- COMM 1030  INTERPERSONAL COMMUNICATION  3

Subtotal: 15

**Sophomore Year - Fall Semester**

- EMT 2530  INTERMEDIATE EMERGENCY MEDICAL TECHNICIAN  8
- BIOL 2015  HUMAN ANATOMY & PHYSIOLOGY II  4
- ENGL 2005  TECHNICAL WRITING  3
- HLTK 1200  MEDICAL TERMINOLOGY  2
- HMDV 2411  ASSESSMENT REQUIREMENT  1

Subtotal: 16

**Sophomore Year - Spring Semester**

- POLS 1000  AMERICAN & WYOMING GOVERNMENT  3
- SOC 1000  SOCIOLOGICAL PRINCIPLES  3
- SOC 1100  SOCIAL PROBLEMS AND ISSUES  3
- CMAP 1200  COMPUTER INFORMATION SYSTEMS  3
- EMT 1695  EMERGENCY MEDICAL SERVICES SPECIAL OPERATIONS  3
- HLTK 1200  MEDICAL TERMINOLOGY  2

Subtotal: 65

**Total Credit Hours: 65**

**Emergency Medical Services Certificate**

Western Wyoming Community College offers a program leading to a Certificate in Emergency Medical Services. Successful completion of the program allows the graduate to take the Wyoming State Intermediate Emergency Medical Technician licensure examination and the student is also eligible to take the National Registry of EMT’s (NREMT) National Certification Examination. Upon licensure, the IEMT practices in settings where policies and procedures are specified and guidance is available. The goal of Western Wyoming Community College is to educate competent beginning EMT’s.

The faculty has developed a learning environment that fosters interaction between the students and faculty. Because EMS practice is ever changing, the faculty utilizes active student learning to promote competence. Students are given opportunities to learn and to practice their skills in a variety of settings where people need care.

**Degree Requirements**

**Required Course**

- EMT 1690  EMERGENCY MEDICAL TECHNICIAN  8
- EMT 2500  ADVANCED EMERGENCY MEDICAL TECHNICIAN  8
- EMT 1695  EMERGENCY MEDICAL SERVICES SPECIAL OPERATIONS  3
- EMT 2530  INTERMEDIATE EMERGENCY MEDICAL TECHNICIAN  8
- HMDV 1005  1st YEAR SUCCESS  1

Subtotal: 31

**Total Credit Hours: 31**

Program is not eligible for Federal Student Aid.

**Engineering, Mechanical Specialization, Associate of Science**

Engineering is a broad discipline that prepares students for rewarding careers in almost any industry. An Engineering degree is intended for students with a strong scientific background to apply their skills to solving real-world problems. The two-year program provides a firm foundation in physics and core engineering curriculum, allowing students to transfer seamlessly to most four-year institutions and be successful. Students will learn how to analyze internal and external forces acting on structures and machines, including consideration for the behavior of fluids and the transfer of energy. Computing plays an increasing role in engineering professions and this is reflected in the program, with introductory courses in several commonly used software packages. In addition to the theory, opportunities will be provided for practical application of the engineering design process through a variety of projects designed to connect concepts with hands-on experiences. These opportunities allow students to combine their creative and analytical skills while gaining real problem solving experience. In addition, qualified students compete for statewide internships that initiate professional employment opportunities. Graduates from Western are thus well-positioned to transfer into many specializations that include Energy Systems, Civil, Petroleum, and Chemical Engineering. On completion of a four-year degree, hard-working students can expect to be well compensated in challenging and exciting careers. Practicing engineers may design components, improve processes, or manage projects in their chosen industry. Some common industries include oil and gas, mining, energy production, aeronautical, biomedical, automotive, and agricultural.
Degree Requirements

Freshman Year - Fall Semester
MATH 2200  CALCULUS I  4
PHYS 1310  COLLEGE PHYSICS I  4
ENGL 1010  ENGLISH COMPOSITION I  3
        US & WYOMING CONSTITUTION  3
HMDV 1005  1st YEAR SUCCESS  1

Subtotal: 15

Freshman Year - Fall Semester Notes:
• US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).
• In addition to HMDV 1005, Orientation to Engineering (ES 1000) should also be taken.

Freshman Year - Spring Semester
ES 1060  INTRO TO ENGINEERING  3
        COMPUTING  3
MATH 2205  CALCULUS II  4
CHEM 1020  GENERAL CHEMISTRY I  4
PHYS 1320  COLLEGE PHYSICS II  4
ES 2110  STATICS  3

Subtotal: 18

Freshman Year - Spring Semester Notes:
• In addition to CHEM 1020, both CHEM 1030 and MATH 2250 are also advisable as they can be counted towards courses in an ME curriculum at a four-year university.

Sophomore Year - Fall Semester
ES 2120  DYNAMICS  3
        ELECTRIC CIRCUIT ANALYSIS  3
ENGL 2005  TECHNICAL WRITING  3
        PUBLIC SPEAKING  3
MATH 2210  CALCULUS III  4

Subtotal: 16

Sophomore Year - Fall Semester Notes:
• ES 1070 and ES 1080 are also advisable in order to gain solid modeling/drafting experience.

Sophomore Year - Spring Semester
ES 2310  THERMODYNAMICS  3
ES 2330  FLUID DYNAMICS  3
ES 2410  MECHANICS OF MATERIALS I  3
MATH 2310  APPLIED DIFFERENTIAL EQUATIONS  3
G&R 1050  INTRODUCTION TO NATURAL RESOURCES  3
HMDV 2411  ASSESSMENT REQUIREMENT  1

Subtotal: 15

Sophomore Year - Spring Semester Notes:
• G&R 1050 can be replaced by ECON 1010, PSYC 1000, SOC 1000 or ANTH 1200

Subtotal: 64
Total Credit Hours: 64

English, Associate of Arts

Our general English major is designed to provide an effective springboard for students interested in a variety of areas within the discipline as well as a strong foundation for students transferring to or planning to work in many other areas. Students learn to compose and analyze various forms of writing and literature. Some of the major writing concepts students will learn are audience awareness, organization, development, syntax, and word choice.

Major concepts in literature will include context, characterization, and regional variations. Students will develop skills in critical thinking, analysis, synthesis, reflection, reasoning, and communication as a whole.

This major is primarily a transfer degree; however, an AA in English may open specific opportunities in business writing and local journalism, among other areas, while also strengthening writing and thinking skills crucial for applicants in a variety of fields. Other career goals may require transfer to a four-year institution for a BA. Some of the most frequent careers pursued with an English BA are in publishing, advertising, copywriting, teaching, journalism, law, politics, and government service.

Degree Requirements

Freshman Year - Fall Semester
ENGL 1010  ENGLISH COMPOSITION I  3
ENGL 2230  INTRODUCTION TO SHAKESPEARE  3
ENGL 2310  AMERICAN LITERATURE I  3
ENGL 2040  CREATIVE WRITING:  3
ENGL 2250  WOMEN IN LITERATURE  3
ENGL 2420  LITERARY GENRES:  3
        FOREIGN LANGUAGE  4
        APPROVED MATH COURSE  3
HMDV 1005  1st YEAR SUCCESS  1

Subtotal: 17

Freshman Year - Fall Semester Notes:
• Approved Math Course can be fulfilled by Problem Solving (MATH 1000) or College Algebra (MATH 1400).

Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
ENGL 2215  MEDIEVAL WORLD LITERATURE  3
ENGL 2320  AMERICAN LITERATURE II  3
ENGL 2040  CREATIVE WRITING:  3
ENGL 2340  NATIVE AMERICAN LITERATURE  3
ENGL 2470  FILM APPRECIATION  3
        FOREIGN LANGUAGE  4
        US & WYOMING CONSTITUTION  3

Subtotal: 16

Freshman Year - Spring Semester Notes:
• US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

Sophomore Year - Fall Semester
ENGL 2230  INTRODUCTION TO SHAKESPEARE  3
ENGL 2310  AMERICAN LITERATURE I  3
ENGL 2040  CREATIVE WRITING:  3
ENGL 2250  WOMEN IN LITERATURE  3
ENGL 2420  LITERARY GENRES:  3
        APPROVED SOCIAL SCIENCE COURSE  3
Sophomore Year - Fall Semester Notes:
- Approved Applied Art Course can be fulfilled by Graphic Design I (ART 2120), Public Speaking (COMM 2010), Nonverbal Communication (COMM 2110), or Acting (THEA 1100).
- Approved Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), World History since 1750 (HIST 1330), General Psychology (PSYC 1000), or Sociological Principles (SOC 1000).
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003), Introductory Chemistry (CHEM 1000), Physical Geology (GEOL 1100), or Concepts of Physics (PHYS 1050).

### Sophomore Year - Fall Semester

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<tr>
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<th>Course Name</th>
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<td>ENGL 2320</td>
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<td>OR</td>
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<td>ENGL 2340</td>
<td>FILM APPRECIATION</td>
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**Subtotal: 16-17**

Sophomore Year - Spring Semester Notes:
- Approved Humanities can be fulfilled by Interpersonal Communication (COMM 1030), Introduction to Humanities (HUMN 1010), Introduction to Philosophy (PHIL 1000), or Comparative Religions (PHIL 2315).  

### Sophomore Year - Spring Semester

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**Subtotal: 15**

### Exercise Science, Associate of Science

These two programs, Fitness Leadership Certificate and Associate of Science in Exercise Science, are recommended for students interested in a career in exercise science, physical therapy, personal training, athletic training, sports medicine, and related fields. 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. 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

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**Subtotal: 10-11**

#### Freshman Year - Spring Semester

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<td>HMDV 1503</td>
<td>NON-NATIVE CONVERSATION</td>
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**Subtotal: 21-22**

**Total Credit Hours: 21-22**
In this program students will learn the necessary skills to become a certified fitness leader and be prepared to take national certification exams, such as those offered by the American Council on Exercise (ACE). ACE certification exams are offered at WWCC’s Green River testing center. Students will also enjoy the personal benefits of this program. Through courses in nutrition, wellness, fundamentals and applied exercise science, and various exercise classes, the student’s personal diet and fitness levels will improve. In addition to classroom instruction, the program gives hands-on experience in fitness centers, schools, hospitals, and/or clinics. This is a dynamic program allowing students to apply the knowledge they gain in the classroom to real world experiences with members of the community.

### Degree Requirements

#### Required Courses

<table>
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<tr>
<th>Course</th>
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<td>HLED 1140</td>
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<td>PEPR 2130</td>
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<td>PEPR 2471</td>
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**Subtotal: 42**

#### Requirement Notes:

- Business Course can be fulfilled by Entrepreneurship (BADM 2195) or Marketing (MKT 2100).
- Communication Course can be fulfilled by Interpersonal Communication (COMM 1030) or Public Speaking (COMM 2010).
- Exercise Science Practicum I & II (PEPR 2470 and PEPR 2471) should be taken for 1 credit each.

**Subtotal: 42**

#### Total Credit Hours: 42

### Geographical Information Systems (GIS) Certificate

The Geographic Information Systems Certificate is designed to meet the educational requirements of a prospective GIS technician. Technicians in this field generate, analyze, interpret, and communicate data derived by using GIS GPS hardware and software applications. They may also set up and maintain GIS databases and websites, create maps and models for application of data, and provide technical support to users or clients. GIS is applicable to many industries and occupations, including, but not limited to, agriculture, public safety (fire, rescue and police), public health, transportation, facilities, land and utilities planning, and management. GIS technicians possess outstanding decision-making, attention to detail, and problem-solving skills.

The Geographical Information Systems Technician certificate will provide technical training to students who intend to enter gainful employment at the associate degree level or less, and training or retraining for those already employed as may be necessary to meet increasing technological developments or as may be desired for personal advancement.
Expected Student learning outcomes from completion of the program. Students will be able to:

1. Design or prepare graphic representations of Geographic Information Systems (GIS) data, using GIS hardware or software applications.
2. Analyze Geographic Information Systems (GIS) data to identify spatial relationships or display results of analyses, using maps, graphs, or tabular data. See more occupations related to this task.
3. Maintain or modify existing Geographic Information Systems (GIS) databases.
4. Enter data into Geographic Information Systems (GIS) databases, using techniques such as coordinate geometry, keyboard entry of tabular data, manual digitizing of maps, scanning or automatic conversion to vectors, or conversion of other sources of digital data.
5. Review existing or incoming data for currency, accuracy, usefulness, quality, or completeness of documentation.
6. Perform geospatial data building, modeling, or analysis, using advanced spatial analysis, data manipulation, or cartography software.
7. Design or coordinate the development of integrated Geographic Information Systems (GIS) spatial or non-spatial databases.
8. Select cartographic elements needed for effective presentation of information.
9. Provide technical support to users or clients regarding the maintenance, development, or operation of Geographic Information Systems (GIS) databases, equipment, or applications.
10. Interpret aerial or ortho photographs.

Degree Requirements

**Freshman Year - Fall Semester**
- GEOG 1080  INTRODUCTION TO GPS AND MAPS  4
- GEOG 1100  INTRODUCTION TO GIS  4

**Freshman Year - Spring Semester**
- GEOG 2130  SPATIAL ANALYSIS  4
- COSC 2360  WEB PAGE DYNAMICS & SCRIPTING  3

**Sophomore Year - Fall Semester**
- GEOG 2180  GEOSPATIAL WEB APPLICATIONS  4
- GEOG 2170  GIS CAPSTONE  4

**Sophomore Year - Spring Semester**

**Geology, Associate of Science**

The Geology program is designed to help facilitate the student interested in acquiring the basics of Geology and the Scientific Method with lecture, labs, and field courses in order to successfully transfer to a four year institution, while completing general education requirements within four semesters.

All Geology majors need to develop these basic skills:

1. The ability to successfully apply the Scientific Method to problems in the Earth Sciences.
2. The understanding of how Earth’s physical and chemical processes affect all aspects of this planet.
3. The ability to read the landscape in terms of its geological history and explain how that history relates to humans and human behavior in our modern world.

A degree in Geology from Western Wyoming Community College provides the dedicated student with a strong scientific background and the tools necessary to successfully pursue a Bachelor’s degree in Geology at a four-year institution. The program is designed as a stepping stone and, while not directly preparing students for employment, will equip students with a foundation to pursue employment in Survey, Engineering, Hydrology, or many other Earth Science fields.

**Degree Requirements**

**Freshman Year - Fall Semester**
- ANTH 1300  INTRODUCTION TO ARCHAEOLOGY  3
- ENGL 1010  ENGLISH COMPOSITION I  3
- GEOL 1100  PHYSICAL GEOLOGY  4
- MATH 1405  TRIGONOMETRY  3
- CMAP 1200  COMPUTER INFORMATION SYSTEMS  3
- HMDV 1005  1ST YEAR SUCCESS  1

**Subtotal:** 17

**Freshman Year - Spring Semester**
- GEOL 1026  GEOLOGY OF SOUTHWEST WYOMING  2
- HIST 1251  WYOMING HISTORY  3
- HIST 1410  INTRODUCTION TO AMERICAN ENVIRONMENTAL HISTORY  3
- APPROVED ENGLISH COURSE  3
- APPROVED LANGUAGE COURSE  4

**Subtotal:** 15

**Sophomore Year - Fall Semester**
- GEOL 2010  INTRODUCTION TO PETROLOGY  2
- APPROVED LANGUAGE COURSE  4

**Subtotal:** 17

**Sophomore Year - Fall Semester Notes:**
- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Writing Studies (ENGL 2019).
- Approved Language Course can be fulfilled by American Sign Language I (ASL 1200) or First Year Spanish I (SPAN 1010).

**Sophomore - Spring Semester**
- CHEM 1020  GENERAL CHEMISTRY I  4
- GEOL 2050  PRINCIPLES OF PALEONTOLOGY  3
- GEOL 2080  GENERAL FIELD GEOLOGY  1-3
- HMDV 2411  ASSESSMENT REQUIREMENT  1

**Subtotal:** 15-17
Sophomore Year - Spring Semester Notes:
- Approved Math Course can be fulfilled by Calculus II (MATH 2205) or Elementary Linear Algebra (MATH 2250).

Subtotal: 64-66
Total Credit Hours: 64-66

### History, Associate of Arts

The History Program at Western Wyoming Community College offers a variety of opportunities for students, staff, and community members, as faculty are devoted to teaching excellence and student success. Faculty primarily specialize in the history of the American West, with emphasis in women and gender studies, environmental history, memory studies, oral history, public history, and much more. In addition, they are devoted to approaching their classes and research through a global perspective, preparing students for life in the 21st century. As a program in the Division of Social Science and Education, the History Program serves students across the campus. For instance, three of the four classes approved for Government credit (a legislative requirement for all college students) are offered in this program: US to 1865, US from 1865, and Wyoming History. All courses offered in this program help students achieve the five goals for student success: communicate competently, retrieve information, see issues from multiple perspectives, think critically, analyze, and solve problems, and develop life skills. This program prepares students for pursuing bachelor degrees in history, secondary education, museum studies, public history, and more. Students who earn a degree in history, open the door to a variety of career opportunities. For more information, on what you can do with a history degree, visit the American Historical Association’s “Careers for History Majors.”

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
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<th>Course</th>
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<td>ENGL 1010</td>
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<td>MATH 1400</td>
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<tr>
<td>HMDV 1005</td>
<td>1ST YEAR SUCCESS</td>
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</table>

Subtotal: 15

Freshman Year - Fall Semester Notes:
- SPAN 1010 can be replaced with other Foreign Language courses, based on availability of 2 year sequence.
- Approved Computer Course can be fulfilled by Introduction to Programming (CMAP 1500) or Digital Design Publishing (CMAP 1885).

#### Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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Subtotal: 17

Freshman Year - Spring Semester Notes:
- SPAN 1020 can be replaced with other Foreign Language courses, based on availability of 2 year sequence.
- Approved Science Course can be fulfilled by Physical Geology (GEOI 1000) or General Biology (BIOL 1010).

#### Sophomore Year - Fall Semester

<table>
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<th>Course</th>
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Subtotal: 16

Sophomore Year - Fall Semester Notes:
- See content advisor to determine appropriate Major Area Course.
- Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Sociological Principle (SOC 1000), General Psychology (PSYC 1000), or American & Wyoming Government (POLS 1000).

#### Sophomore Year - Spring Semester

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Subtotal: 16

Sophomore Year - Spring Semester Notes:
- HIST 2290 can be replaced by a History Elective.
- Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Sociological Principle (SOC 1000), General Psychology (PSYC 1000), or American & Wyoming Government (POLS 1000).

Subtotal: 64
Total Credit Hours: 64

### 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

#### Degree Requirements

**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 HYDRAULICS I (FLUID POWER)  3
- **INDM 1580**  INDUSTRIAL HYDRAULICS II (FLUID POWER)  3
- **INDM 1585**  INDUSTRIAL HYDRAULICS III  3
Industries, Welding Option Certificate

**Degree Requirements**

**Required Courses**
- INDIM 1510 INDUSTRIAL MECHANICS I 3
- INDIM 1520 INDUSTRIAL MECHANICS II 3
- INDIM 1530 INDUSTRIAL MECHANICS III 3
- INDIM 1540 INDUSTRIAL MECHANICS IV 3
- INDIM 1550 INDUSTRIAL MECHANICS V 3
- INDIM 1560 PREVENTIVE MAINTENANCE 3
- TECH 1680 READING TECHNICAL SCHEMATICS 3
- ANY WELDING COURSES (EXCLUDING WELD 1710, WELD 2630, OR WELD 2635) 12

Subtotal: 42
Total Credit Hours: 42

Underground Maintenance Mechanics Certificate

This one-year 42-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 appropriate for the underground maintenance industry.

**Degree Requirements**

**Required Courses**
- AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3
- INDIM 1510 INDUSTRIAL MECHANICS I 3
- INDIM 1520 INDUSTRIAL MECHANICS II 3
- INDIM 1530 INDUSTRIAL MECHANICS III 3
- INDIM 1540 INDUSTRIAL MECHANICS IV 3
- INDIM 1550 INDUSTRIAL MECHANICS V 3
- INDIM 1560 PREVENTIVE MAINTENANCE 3
- INDIM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
- INDIM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER) 3
- INDIM 1585 INDUSTRIAL HYDRAULICS III 3
- TECH 1600 INDUSTRIAL SAFETY 3
- ANY WELDING COURSES (EXCLUDING WELD 1710, WELD 2630, OR WELD 2635) 9

Subtotal: 42
Total Credit Hours: 42

Students with formal industrial safety training (i.e. OSHA, MSHA, etc.) may be granted equivalency for TECH 1600 by their advisor.

Surface Maintenance Mechanics Certificate

This one-year, 42-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 blueprint training which they can use in surface maintenance.

**Degree Requirements**

**Required Courses**
- INDIM 1510 INDUSTRIAL MECHANICS I 3
- INDIM 1520 INDUSTRIAL MECHANICS II 3
- INDIM 1530 INDUSTRIAL MECHANICS III 3
- INDIM 1540 INDUSTRIAL MECHANICS IV 3
- INDIM 1550 INDUSTRIAL MECHANICS V 3
- INDIM 1560 PREVENTIVE MAINTENANCE 3
- INDIM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
- INDIM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER) 3
- INDIM 1585 INDUSTRIAL HYDRAULICS III 3
- TECH 1600 INDUSTRIAL SAFETY 3
- ANY WELDING COURSES (EXCLUDING WELD 1710, WELD 2630, OR WELD 2635) 9

Subtotal: 42
Total Credit Hours: 42

Students with formal industrial safety training (i.e. OSHA, MSHA, etc.) may be granted equivalency for TECH 1600 by their advisor.
### Law Enforcement, Associate of Applied Science

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.
WELD 1755 SHIELDED METAL ARC WELDING 3  
ENGL 1010 ENGLISH COMPOSITION I 3  

HEALTH & HUMAN ACTIVITY 2

Subtotal: 15

Sophomore Year - Fall Semester

MCH 2760 ADVANCED MACHINE TOOL PROCESSES I 3  
TECH 1600 INDUSTRIAL SAFETY 3  
WELD 1760 ADV. SHIELDED METAL ARC WELDING 3  
CMAP 1200 COMPUTER INFORMATION SYSTEMS 3  
ENGL 2005 TECHNICAL WRITING 3  
TECHNOLOGY & INDUSTRY ELECTIVE 3

Subtotal: 18

Sophomore Year - Spring Semester

MCH 2770 ADVANCED MACHINE TOOL PROCESSES II 3  
COMM 1030 INTERPERSONAL COMMUNICATION 3  
POLS 1000 AMERICAN & WYOMING GOVERNMENT 3  
TECHNOLOGY & INDUSTRY ELECTIVE 6

Subtotal: 15

Subtotal: 41

Certificate Notes:
- T&I Elective can be fulfilled with any directly related course from the following prefixes: AUTO, CMPT, DESL, ELTR, INDM, MCH, MINE, OGPT, TECH, or WELD.

Total Credit Hours: 41

Maintenance Mechanic Certificate for Industry

To meet the varied and changing needs of the workforce, Western strives to be as flexible as possible in terms of offering certificates that fit the widest range of industry needs. Although industrial plants maintain a lot of the same types of equipment, the processes at each of these sites are quite different. Therefore, classes or skill sets in a certificate that are relevant for one company may not be as relevant for another company, or the type of skills upgrade for one employee may not fit another.

Through conversations with the WWCC Maintenance Faculty and an individual company, a customized maintenance certificate can be developed. A set of courses from the list totaling 36 credits will be identified as appropriate for a Maintenance Certificate for that individual company and its designated employees.

Degree Requirements

Students must complete a minimum of 36 credits from the following courses determined by industry:

AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3  
AUTO 1770 AUTOMOTIVE ELECTRONICS 3  
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 HYDRAULICS I (FLUID POWER) 3  
INDM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER) 3  
INDM 1585 INDUSTRIAL HYDRAULICS III 3  
ELTR 1505 ELECTRICAL ASSEMBLY & MEASURE 3  
ELTR 1520 BASIC ELECTRICITY, DC 3  
ELTR 1530 BASIC ELECTRICITY, AC 3  
ELTR 1030 PROGRAMMABLE LOGIC CONTROLLER FOR INDUSTRY: 1-3

Total Credit Hours: 36
Mathematics, Associate of Science

The mathematical major program is designed to introduce students to the beautiful world of mathematical studies and prepare them for further studies in the field.

We are fortunate to be able to offer a full 2-year program in mathematics that includes our ultimate courses: Linear Algebra, Math Seminar, Calculus III and Differential Equations. These courses will put the student in line for the next two years of a bachelor's degree in the field in a classical course of study. Students in our program will learn both abstract theories as well as solid applications. They will develop problem solving skills unique to the study of mathematics and similar skills that carry over to attacking problems in other fields, even those that are seemingly unrelated. With our two year program in mathematics, a student could go on to receive a full bachelor's in Math, resulting in a job in actuarial science, mathematics for a plant or industrial concern, or take a different path into engineering, finance economics, or other related fields.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2200</td>
<td>CALCULUS I</td>
</tr>
<tr>
<td>PHYS 1310</td>
<td>COLLEGE PHYSICS I</td>
</tr>
<tr>
<td>COSC 1030</td>
<td>COMPUTER SCIENCE I</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION</td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
</tr>
</tbody>
</table>

Subtotal: 17

Freshman Year - Fall Semester Notes:

- Health and Human Activity is suggested to be fulfilled by Weight Training Conditioning (PEAC 1273), Beginning Yoga (PEAC 1294), Beginning Backpacking (PEAC 1295), or Whitewater Rafting (PEAC 1297).

Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2205</td>
<td>CALCULUS II</td>
</tr>
<tr>
<td>MATH 2300</td>
<td>DISCRETE STRUCTURES</td>
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<tr>
<td>PHYS 1320</td>
<td>COLLEGE PHYSICS II</td>
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<td></td>
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<tr>
<td></td>
<td>APPROVED PHYSICAL ACTIVITY COURSE</td>
</tr>
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Subtotal: 15

Freshman Year - Spring Semester Notes:

- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Technical Writing (ENGL 2005).
- Approved Physical Activity Course can be fulfilled by Physical Conditioning (PEAC 1290) or Beginning Yoga (PEAC 1294).

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 2250</td>
<td>ELEMENTARY LINEAR ALGEBRA</td>
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<tr>
<td>MATH 2800</td>
<td>MATHEMATICS SEMINAR</td>
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<tr>
<td>STAT 2050</td>
<td>FUNDAMENTALS OF STATISTICS</td>
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<tr>
<td></td>
<td>US &amp; WYOMING CONSTITUTION</td>
</tr>
<tr>
<td></td>
<td>SOCIAL SCIENCE</td>
</tr>
</tbody>
</table>

Subtotal: 16

Sophomore Year - Fall Semester Notes:

- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyatt History (HIST 1251) and American & Wyoming Government (POLS 1000).
- Social Science Course can be fulfilled by Macroeconomics (ECON 1010), Introduction to Natural Resources (G&R 1050), Nutrition (HLED 1140), or General Psychology (PSYC 1000).

Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2210</td>
<td>CALCULUS III</td>
</tr>
<tr>
<td>MATH 2310</td>
<td>APPLIED DIFFERENTIAL EQUATIONS</td>
</tr>
<tr>
<td>ES 1060</td>
<td>INTRO TO ENGINEERING</td>
</tr>
<tr>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS:</td>
</tr>
<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
</tr>
</tbody>
</table>

Subtotal: 16

Sophomore Year - Spring Semester Notes:

- Approved Humanities/Applied Arts Course can be fulfilled by Interpersonal Communication (COMM 1030), Public Speaking (COMM 2010), First Year Spanish I (SPAN 1010), or First Year French (FREN 1010).

Total Credit Hours: 64

Medical Administrative Assistant Certificate

Previously named Medical Office Assistant Certificate

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTK 1200</td>
<td>MEDICAL TERMINOLOGY</td>
</tr>
<tr>
<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
</tr>
<tr>
<td>CMAP 1905</td>
<td>INTEGRATED APPLICATIONS:</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION</td>
</tr>
<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
</tr>
<tr>
<td>BOTK 1650</td>
<td>KEYBOARDING APPLICATIONS II</td>
</tr>
<tr>
<td>NURS 1510</td>
<td>NURSE ASSISTANT</td>
</tr>
<tr>
<td>BOTK 2750</td>
<td>RECORDS MANAGEMENT SYSTEMS</td>
</tr>
<tr>
<td>BIOL 2010</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
</tr>
<tr>
<td>HLED 1140</td>
<td>NUTRITION</td>
</tr>
<tr>
<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY II</td>
</tr>
<tr>
<td>BOTK 2900</td>
<td>OFFICE SYSTEMS &amp; PROCEDURES</td>
</tr>
</tbody>
</table>

Subtotal: 40

Total Credit Hours: 40

Courses are listed in the suggested progression of coursework for the Medical Administrative Assistant Certificate. Courses may not be substituted.

All above courses must be completed with a “C” or better to earn the Medical Administrative Assistant Certificate.

Music, Instrumental, Associate of Arts

Music, Instrumental offers students the opportunity to study the individual art form of music, as well as its relationship to the other performing arts of dance, theatre, and technical theatre. Instrumental Music provides the foundation for performing careers in live music, dance, theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensely collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians, actors and dancers beyond music. It is possible for a student who obtains an A.A. in Instrumental Music to
earn between $10 - $15 per hour as a performer with dance, music or theatre organizations across the country, however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Instrumental Music degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B. A. or B. M. in music may be sufficient for those interested in performing, generally two to five years of graduate study leading to an M. A. or M. M. E. or D. Mus. Ed. (for educators), an M. M. or D. M. A. or Ph. D. (for higher education or performing careers) may be required.

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1303</td>
<td>WRITTEN THEORY I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1305</td>
<td>AURAL THEORY I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 0200</td>
<td>MUSIC CONVOCATION</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 1005</td>
<td>PROBLEM SOLVING</td>
<td>1</td>
</tr>
<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 16-17

#### Freshman Year - Fall Semester Notes:
- Approved Music Course can be fulfilled by Class Piano I (MUSC 1290) or Applied Music Piano (MUSC 2073).

#### Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1350</td>
<td>WRITTEN THEORY II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1325</td>
<td>AURAL THEORY II</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 0200</td>
<td>MUSIC CONVOCATION</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 1005</td>
<td>PROBLEM SOLVING</td>
<td>1</td>
</tr>
<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 17-18

#### Freshman Year - Spring Semester Notes:
- Approved Music Course can be fulfilled by Class Piano II (MUSC 1291) or Applied Music Piano (MUSC 2073).
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).
- Approved Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200) or Sociological Principles (SOC 1000).

#### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 2303</td>
<td>WRITTEN THEORY III</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2304</td>
<td>AURAL THEORY III</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 0200</td>
<td>MUSIC CONVOCATION</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2050</td>
<td>MUSIC HISTORY SURVEY I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2015</td>
<td>INTRODUCTION TO THE MUSIC OF WORLD</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15-16

#### Sophomore Year - Fall Semester Notes:
- Approved Music Course can be fulfilled by Class Piano III (MUSC 1295) or Applied Music Piano (MUSC 2073).

### Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 2040</td>
<td>WRITTEN THEORY IV</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2045</td>
<td>AURAL THEORY IV</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 0200</td>
<td>MUSIC CONVOCATION</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2050</td>
<td>MUSIC HISTORY SURVEY II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2395</td>
<td>PIANO PROFICIENCY</td>
<td>4</td>
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<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 16-17

#### Sophomore Year - Spring Semester Notes:
- Approved Music Course can be fulfilled by Class Piano IV (MUSC 1296) or Applied Music Piano (MUSC 2073).
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or Concepts of Physics (PHYS 1050).

Subtotal: 64-68

Total Credit Hours: 64-68

Applied Music Lessons can be fulfilled with the following courses: MUSC 2071, MUSC 2073, MUSC 2074, MUSC 2075, MUSC 2076, MUSC 2077, or MUSC 2078. See advisor to choose the appropriate course.

Ensemble can be fulfilled with the following courses: MUSC 1390, MUSC 1485, or MUSC 1490. Each of these courses require instructor permission. See advisor to choose the appropriate course.

### Music, Voice, Associate of Arts

Music, Voice offers students the opportunity to study the individual art form of music, as well as its relationship to the other performing arts of dance, theatre, and technical theatre. Vocal Music provides the foundation for performing careers in live music, theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensively collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians, actors and dancers beyond music. It is possible for a student who obtains an A.A. in Vocal Music to earn between $10 - $15 per hour as a performer with music or theatre organizations across the country, however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Vocal Music degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B. A. or B. M. in music may be sufficient for those interested in performing, generally two to five years of graduate study leading to an M. A. or M. M. E. or D. Mus. Ed. (for educators), an M. M. or D. M. A. or Ph. D. (for higher education or performing careers) may be required.

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1330</td>
<td>WRITTEN THEORY I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1335</td>
<td>AURAL THEORY I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 0200</td>
<td>MUSIC CONVOCATION</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>1</td>
</tr>
<tr>
<td>MATH 1005</td>
<td>PROBLEM SOLVING</td>
<td>1</td>
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<tr>
<td>HMDV 2411</td>
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Subtotal: 16-17
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 1000</td>
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</tr>
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<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>HMDV 1005</td>
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Subtotal: 16-18

**Freshman Year - Fall Semester Notes:**
- Approved Music Course can be fulfilled by Class Piano I (MUSC 1290) or Applied Music Piano (MUSC 2073).
- Must take MUSC 2074 as a 2 credit course.

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUSC 1040</td>
<td>WRITTEN THEORY II</td>
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</tr>
<tr>
<td>MUSC 1045</td>
<td>AURAL THEORY II</td>
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<tr>
<td>MUSC 2074</td>
<td>APPROVED MUSIC COURSE</td>
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<td>MUSC 2040</td>
<td>APPLIED MUSIC VOICE</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2045</td>
<td>ENSEMBLE</td>
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<tr>
<td>MUSC 2015</td>
<td>MUSIC CONVOCATION</td>
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<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II</td>
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<td></td>
<td>APPROVED SOCIAL SCIENCE COURSE</td>
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</table>

Subtotal: 15-17

**Freshman Year - Fall Semester Notes:**
- Approved Music Course can be fulfilled by Class Piano II (MUSC 1291) or Applied Music Piano (MUSC 2073).
- Approved Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200) or Sociological Principles (SOC 1000).

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>MUSC 2030</td>
<td>WRITTEN THEORY III</td>
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<td>MUSC 2035</td>
<td>AURAL THEORY III</td>
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<td>MUSC 2074</td>
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<tr>
<td>MUSC 2040</td>
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</tr>
<tr>
<td></td>
<td>US &amp; WYOMING CONSTITUTION</td>
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</table>

Subtotal: 16-18

**Sophomore Year - Fall Semester Notes:**
- Approved Music Course can be fulfilled by Class Piano III (MUSC 1295) or Applied Music Piano (MUSC 2073).
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 2040</td>
<td>WRITTEN THEORY IV</td>
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</tr>
<tr>
<td>MUSC 2045</td>
<td>AURAL THEORY IV</td>
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</tr>
<tr>
<td>MUSC 2020</td>
<td>MUSIC CONVOCATION</td>
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<tr>
<td>MUSC 2055</td>
<td>MUSIC HISTORY SURVEY II</td>
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<tr>
<td>MUSC 2395</td>
<td>PIANO PROFICIENCY</td>
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</tr>
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<td>HMDV 2411</td>
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</table>

Subtotal: 14-16

**Sophomore Year - Spring Semester Notes:**
- Approved Music Course can be fulfilled by Class Piano IV (MUSC 1296) or Applied Music Piano (MUSC 2073).
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or Concepts of Physics (PHYS 1050).

Subtotal: 61-69

Total Credit Hours: 61-69

Ensembles where listed for two credits, two individual Ensembles must be taken.

Ensembles can be selected from the following courses: MUSC 1400, MUSC 1450, or MUSC 1465. Each of these courses require instructor permission. See advisor to choose appropriate course.

## Musical Theatre, Associate of Arts

Musical Theatre offers students the opportunity to study the individual art forms of theatre, music, and dance, as well as their interrelationship that forms the unique art of musical theatre. As one of two distinctly American art forms (the other being jazz), musical theatre provides the foundation for performing careers in live theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensely collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians, musicians and dancers beyond musical theatre. It is possible for a student who obtains an A.A. in Musical Theatre to earn between $10 - $15 per hour as a performer with theatre companies across the country, however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Musical Theatre degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B.A., B. F. A., or B. M. in Musical Theatre may be sufficient for those interested in performing, generally two to three years of graduate study leading to a Master's degree (for educators), an M. F. A. (for higher education careers) may be required.

## Degree Requirements

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 1100</td>
<td>ACTING</td>
<td>3</td>
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<tr>
<td>THEA 2220</td>
<td>STAGECRAFT</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2495</td>
<td>WORKSHOPS IN THEATRE</td>
<td>.5</td>
</tr>
<tr>
<td>THEA 2471</td>
<td>THEATRE &amp; DANCE PRACTICUM I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>DANCE CHOICE</td>
<td>2</td>
</tr>
<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 17.5

**Freshman Year - Fall Semester Notes:**
- Dance Choice can be fulfilled by Ballet II (DANC 1410), Tap Dance I (DANC 1450), Ballet II (DANC 2410), Tap Dance II (DANC 2450), or Jazz Dance II (DANC 2480).

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 1700</td>
<td>VOICE FOR THE ACTOR</td>
<td>2</td>
</tr>
<tr>
<td>THEA 2160</td>
<td>STAGE MAKE-UP</td>
<td>2</td>
</tr>
<tr>
<td>THEA 2471</td>
<td>THEATRE &amp; DANCE PRACTICUM I</td>
<td>1</td>
</tr>
<tr>
<td>THEA 2150</td>
<td>STAGE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DANCE CHOICE</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>APPLIED MUSIC I (VOICE)</td>
<td>1</td>
</tr>
</tbody>
</table>
Mining Maintenance Technology

The Mining Maintenance Technology program is designed to prepare the student for a career 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.

Electrical Mine Maintenance Certificate

This certificate is designed to prepare students for a career in the electrical maintenance field in the mining industry.

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</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 2840</td>
<td>APPROVED ELECTRICAL TECHNOLOGY COURSE</td>
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<tr>
<td>ELTR 2840</td>
<td>MOTOR CONTROLLERS</td>
<td>3</td>
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<tr>
<td>ELTR 2820</td>
<td>POWER DISTRIBUTION</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2815</td>
<td>PROGRAMMABLE LOGIC</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2825</td>
<td>INDUSTRIAL ELECTRICAL TROUBLESHOOTING</td>
<td>3</td>
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<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER)</td>
<td>3</td>
</tr>
<tr>
<td>MINE 1500</td>
<td>INTRODUCTION TO MINING</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1680</td>
<td>READING TECHNICAL SCHEMATICS</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>APPROVED COLLEGE LEVEL MATH</td>
<td>3.4</td>
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</tbody>
</table>

Subtotal: 35.5-37

Requirement Notes:

- Approved Electrical Technology Course can be fulfilled by Instrumentation I (ELTR 1840), Instrumentation I for Industry (ELTR 1841), or Instrumentation-Oil & Gas Production (ELTR 1850).
- Approved College Level Math can be fulfilled by any math course 1000 level or higher. Or course can be replaced with Computer Information Systems (CMAP 1200) or Intro to Technical Mathematics (TECH 1000).

All above courses must be completed with a "C" or better to earn the Electrical Mine Maintenance Certificate.

Mining Maintenance Technology, Associate of Applied Science

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>1ST YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 16-17

Freshman Year - Fall Semester Notes:

- College Level Math can be fulfilled by any math course 1000 level or higher. Or course can be replaced with Concepts of Physics (PHYS 1050).

Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
<td>3</td>
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<tr>
<td>INDM 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
<td>3</td>
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<tr>
<td>MCH 2740</td>
<td>MACHINE TOOL PROCESSES I</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credit Hours: 65
Natural Resources, Associate of Science

Natural resource science investigates the diversity, use, and management of the environment such as wildlife, rangelands, water, soil, energy, mining, policy, and economics. Particular consideration is given to the relationship between humans and the environment. Natural resources is a broad field of study that feeds into a diversity of disciplines ranging from food and farming, conservation, forestry, and environmental policy.

Students in the natural resource pathway have increasing job opportunities regionally, nationally, and worldwide in the private, state, and Federal Government sectors. A natural resources career field may focus on natural resource management as a wildlife biologist or environmental scientist, or focus on human interactions as an economist or policy maker. Most career opportunities require at least a Bachelor’s, while advanced degrees, such as a Master’s or Doctoral degree, increase your opportunities and potential to advance.

As our world population continues to grow, our use of and reliance on natural resources has become a prevailing theme in nearly all aspects of our lives. The natural resources pathway will build a solid foundation for your skillset in collecting and analyzing data to make informed decisions on resource use and management. You will learn critical thinking and the importance of data-driven decisions to understand the role humans have with the environment, including impact on Earth’s resources and humans.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1020</td>
<td>GENERAL CHEMISTRY I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1400</td>
<td>COLLEGE ALGEBRA</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>HMDV 1005</td>
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Subtotal: 15

Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOL 2022</td>
<td>ANIMAL BIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1030</td>
<td>GENERAL CHEMISTRY II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1405</td>
<td>TRIGONOMETRY</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2005</td>
<td>APPROVED ENGLISH COURSE</td>
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</tr>
<tr>
<td></td>
<td>SCIENCE COURSE</td>
<td>2-4</td>
</tr>
</tbody>
</table>

Subtotal: 16-18

Sophomore Year - Spring Semester Notes:

- Approved English Course can be fulfilled by English Composition II (ENGL 1020), Technical Writing (ENGL 2005), or Writing Studies (ENGL 2019).
- Science Course can be fulfilled by Principles of Fish & Wildlife Management (BIOL 2450), Entomology (ENTO 1001), Principles of Rangeland Management (REWM 2000), Rangeland Plant Identification (REWM 2500), or Forest Management (RNEW 2100).

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2400</td>
<td>GENERAL ECOLOGY</td>
<td>3</td>
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<tr>
<td>BIOL 2410</td>
<td>INTRO TO FIELD ECOLOGY</td>
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</tr>
<tr>
<td>BIOL 2023</td>
<td>PLANT AND FUNGAL BIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2200</td>
<td>CALCULUS I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 16-17

Sophomore Year - Fall Semester Notes:

- Science Course can be fulfilled by Principles of Fish & Wildlife Management (BIOL 2450), Entomology (ENTO 1001), Principles of Rangeland Management (REWM 2000), Rangeland Plant Identification (REWM 2500), or Forest Management (RNEW 2100).
Natural Gas Compression Technology, Associate of Applied Science

The Gas Compression Technology program offers core courses related to Gas Compression Operations and Maintenance. The program is designed to develop technical knowledge regarding gas compression operations and prepare students to enter careers as Gas Compression Technicians in the natural gas industry. The curriculum was developed in partnership with the natural gas industry; therefore, it provides training that meets this industry's expectations. Students will gain an understanding of operations, maintenance, troubleshooting, repair of 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, rigging and safety. They will develop skills needed to operate and maintain gas compression packages which include the internal combustion engine, reciprocating compressor and auxiliary equipment. Students are able to take courses to obtain a Gas Compression Certificate in 2 semesters or complete an additional 2 semesters to obtain a Gas Compression Technology A.A.S. degree. Upon completion of this program, a student will qualify to become an entry-level Gas Compression Technician. These individuals generally work 40-hour weeks plus overtime, perform tasks requiring good mental and physical aptitude, and work with a variety of materials and equipment. Monitoring and maintaining compression-sites is one of their primary responsibilities. Most technicians in the local area can expect an annual starting wage of $50,000. Technicians with experience can move into advanced positions such as emission technicians, field supervisors, as well as areas such as instrumentation and automation.

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
AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3

Sophomore Year - Spring Semester
CHEM 2300 INTRODUCTORY ORGANIC CHEMISTRY 4
STAT 2050 FUNDAMENTALS OF STATISTICS 4
US & WYOMING CONSTITUTION 3
SOCIAL SCIENCE 3
APPROVED HUMANITIES/APPLIED ARTS 3
HMDV 2411 ASSESSMENT REQUIREMENT

Subtotal: 17

Sophomore Year - Spring Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251) and American & Wyoming Government (POLS 1000).
- Social Science can be fulfilled with Introduction to Law Enforcement (CRMJ 1900), Introduction to Natural Resources (G&R 1050), Introduction to American Environmental History (HIST 1410) or Social Problems (SOC 1100). See advisor for additional options.
- Approved Humanities/Applied Arts can be filled with Public Speaking (COMM 1010), World History to 1750 (HIST 1320), or World History Since 1750 (HIST 1330). See advisor for additional options.

Subtotal: 64-67
Total Credit Hours: 64-67

Freshman Year - Spring Semester
CMPT 1510 COMPRESSION TECHNOLOGY I 3
CMPT 1520 COMPRESSION TECHNOLOGY II 3
CMPT 1530 COMPRESSION TECHNOLOGY III 3
OGPT 1515 OIL & GAS PUMP TECHNOLOGY 3
OGPT 1540 OIL & GAS PRODUCTION IV 3
ELTR 1850 INSTRUMENTATION-OIL & GAS PRODUCTION 3

Subtotal: 19

Sophomore Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
ELTR 2840 MOTOR CONTROLS 3
PHYS 1050 CONCEPTS OF PHYSICS 4
CMAP 1200 COMPUTER INFORMATION SYSTEMS 3

Major Area Courses 3

Subtotal: 16

Sophomore Year - Fall Semester Notes:
- Major Area Courses can be fulfilled with any directly related course from the following prefixes: AUTO, CMPT, DESL, ELTR, INDM, MCH, MINE, OGPT, TECH, or WELD.

Sophomore Year - Spring Semester
TECH 1600 INDUSTRIAL SAFETY 3
ENGL 2005 TECHNICAL WRITING 3
US & WYOMING CONSTITUTION 3

Major Area Courses 3

Subtotal: 12

Sophomore Year - Spring Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).
- Major Area Courses can be fulfilled with any directly related course from the following prefixes: AUTO, CMPT, DESL, ELTR, INDM, MCH, MINE, OGPT, TECH, or WELD.

Subtotal: 65
Total Credit Hours: 65

Natural Gas Compression Technology Certificate

The Gas Compression Technology certificate offers core courses related to Gas Compression Operations and Maintenance. The certificate has been designed to develop technical knowledge regarding gas compression operations and prepare students to enter careers as Gas Compression Technicians in the natural gas industry. The curriculum was developed in partnership with the natural gas industry; therefore, it provides training that meets this industry's expectations. Students will gain an understanding of operations, maintenance, troubleshooting, repair of 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, rigging and safety. They will develop skills needed to operate and maintain gas compression packages which include the internal combustion engine, reciprocating compressor and auxiliary...
equipment. Students are able to take courses to obtain a Gas Compression Certificate in 2 semesters and can choose to complete an additional 2 semesters to obtain a Gas Compression Technology A.A.S. degree. Upon completion of this certificate, a student may qualify to become an entry-level Gas Compression Technician. These individuals generally work 40-hour weeks plus overtime, perform tasks requiring good mental and physical aptitude, and work with a variety of materials and equipment. Monitoring and maintaining compression-sites is one of their primary responsibilities. Most technicians in the local area can expect an annual starting wage of $50,000.

Degree Requirements

Required Courses - First Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>DESL 1595</td>
<td>DIESEL FUNDAMENTALS</td>
<td>3</td>
</tr>
<tr>
<td>OGP 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
<td>3</td>
</tr>
<tr>
<td>OGP 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
<td>3</td>
</tr>
<tr>
<td>OGP 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
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Subtotal: 21

Required Courses - Second Semester

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<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CMPT 1510</td>
<td>COMPRESSION TECHNOLOGY I</td>
<td>3</td>
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<tr>
<td>CMPT 1520</td>
<td>COMPRESSION TECHNOLOGY II</td>
<td>3</td>
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<tr>
<td>CMPT 1530</td>
<td>COMPRESSION TECHNOLOGY III</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>OGP 1515</td>
<td>OIL &amp; GAS PUMP TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>OGP 1540</td>
<td>OIL &amp; GAS PRODUCTION IV</td>
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</tr>
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</table>

Subtotal: 18

Total Credit Hours: 39

All above courses must be completed with a "C" or better to earn the Natural Gas Compression Technology Certificate.

Nursing Program, Associate Degree and PN Certificate

Nursing Program - Nurse Assistant Course

This four credit course (NURS 1510) prepares an individual 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. 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.

Additional information on costs and requirements is available from the nursing department.

Nursing Program, Associate Degree and PN Certificate

The goal of Western Wyoming Community College’s Nursing Program is to educate students to become competent beginning nurses. The nursing student will learn about professional nursing care for health promotion and multiple stages of illness through concept based learning. Students are given opportunities to learn and to practice nursing in skills and simulation laboratories and in a variety of clinical settings. Successful completion of the Nursing Program allows the graduate to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). State licensure is required for employment as a registered nurse in Wyoming.

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 a diverse student population, the nursing program has several options that help students participate in the nursing curriculum.

- Nursing courses are available via synchronous distance learning methods.
- Some clinical experiences are available in outreach sites throughout the service area.
- All nursing students will attend some learning experiences out of town.
- Offerings are dependent on student enrollment, faculty and physical resources to meet the learning objectives.

Admission

The nursing department provides information to all students via the nursing program website. In addition to the regular college admission requirements, prospective nursing students must meet admission requirements of the nursing program and complete the prerequisite courses 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

Applicants are encouraged to contact a nursing advisor periodically to ensure the appropriate classes are taken.

To apply for the nursing program:

- Complete WWCC admissions process. Receive acceptance to the college.
- Complete the online nursing application located on the nursing program website by the application deadline. Application information available January-March for those students who will have prerequisite courses completed in the Spring Semester.
- Achieve a grade point average of 2.5 or higher on a 4.0 scale from prerequisite courses.
- Complete prerequisite courses with a “C” or better.
- Take the ATI TEAS® 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. ATI TEAS® study manual may be purchased through the WWCC Bookstore (307-382-1673).

Admission Criteria:

- ATI TEAS® entrance test - Adjusted Individual Total score
- Grade point average - prerequisite courses
- Completed required general education courses - 1 point for each course
- Successful completion of nurse assistant course - 1 point
Admission Process:

Students may find admission criteria and application deadlines on the nursing website. Admission into the nursing program is competitive and based on the cumulative score the applicant receives for grade point average from prerequisites, ATI TEAS® 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. Admission into the program is granted only in the fall semester.

To apply for the Nursing Program:

- Complete WWCC admissions process. Receive acceptance to the college.
- Complete the online nursing application located on the nursing program website by the application deadline. Application information available January - March.
- 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 (NURS 1100) and Nursing II (NURS 1200) 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.
- Achieve a grade point average of 2.5 or higher on a 4.0 scale for prerequisite and required nursing courses.
- Complete prerequisites and nursing courses with a “C” or better.
- Take the standardized LPN to RN readiness exam required by the program. Obtain an Adjusted Individual Total Score 90% or higher to qualify.
- Advanced Placement students may be required to demonstrate abilities via proficiency demonstration.

Admission Criteria:

- A standardized LPN to RN readiness exam - Adjusted Individual Total Score
- Grade Point Average - prerequisite and nursing courses only
- Complete required general education courses - 1 point for each course

Admission Process:

Students may find admission criteria and application deadlines on the nursing website. 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, the standardized LPN to RN readiness exam, 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. 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.
- 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.

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 in the Nursing Program

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.

Career Mobility

Students who meet the requirements for progression may complete the program for the Associate Degree in Nursing. 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, Master’s Degree or Doctorate in Nursing through four-year institutions. Students should contact the four year institution offering the degree. Students of Western’s Nursing Program enjoy a concept based statewide curriculum where students can earn an
Associate Degree and continue on to the University of Wyoming to earn a Bachelors Degree or higher in nursing.

**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.

**Wyoming State Board of Nursing Policies to Protect the Public**
The following history information must be reported in writing to the Wyoming State Board of Nursing (WSBN) when submitting an application for certification as a nursing assistant or applying for licensure as a nurse (PN or RN: all charges, arrests, citations or convictions for any criminal offense including, DUIs and felonies even if pardoned, expunged, dismissed or deferred. WSBN also requires notification of a history of charges related to abuse, neglect or misappropriation of property; having a history of physical or mental disability which may make you unable to practice nursing; having a history of abusing or being addicted to any controlled substance or alcohol. The WSBN requires an official background check of all applicants. Applicants will not be denied the opportunity to take the competency examination for Nursing Assistants, Practical Nurses or Professional Nurses; however, the WSBN may deny certification or licensure based on history revealed through the background check and history information. Please refer to the WSBN website for additional information regarding the application process and contact information.

**WWCC Policies to Protect the Public**
The Western Wyoming Community College Nursing Program has several policies in place to protect the public. These policies include:

- Completed physical exam within six months prior to admission
- Proof of immunity for mumps, measles, rubella (MMR)
- Proof of TB status annually
- Proof of Tdap immunization
- Proof of negative drug screen
- Proof of no criminal record on background check
- Proof of Health Care Provider or CPR for the Professional Rescuer
- Proof of Hepatitis B status
- Proof of immunity for Varicella (chicken pox) or have had chicken pox
- Orientation to HIPPA requirements
- Students may also be required to participate in agency orientation prior to beginning clinical.

The program is approved by the Wyoming State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN). The next site visit will be Spring 2020.

**Nursing Associate Degree**

**Degree Requirements**

### Pre-Requisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<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>MATH 1400</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>1ST YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Pre-Requisite Notes:
- MATH 1400 or higher will meet requirement
- To apply for fall admission, students must complete all prerequisites by the end of spring term.

**First Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 1100</td>
<td>PROF NURSING CARE IN HEALTH PROMOTION</td>
<td>9</td>
</tr>
<tr>
<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 13**

**First Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 1200</td>
<td>PROF NURSING CARE IN CHRONIC ILLNESS</td>
<td>10</td>
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<tr>
<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
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**Subtotal: 14**

**Second Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>NURS 2300</td>
<td>PROF NURSING CARE IN ACUTE ILLNESS</td>
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<td>BIO</td>
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**Subtotal: 13**

### Second Year - Fall Semester Notes:
- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Technical Writing (ENGL 2005).

**Second Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 2400</td>
<td>PROF NURSING CARE IN COMPLEX ILLNESS</td>
<td>9</td>
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<tr>
<td>BIO</td>
<td>US &amp; WYOMING CONSTITUTION ASSESSMENT REQUIREMENT</td>
<td>3</td>
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</table>

**Subtotal: 12**

**Second Year - Spring Semester Notes:**
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).

**Total Credit Hours: 67**
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 the nursing program, must be taken evenings, Internet or other asynchronous format, with the exception of Human Anatomy & Physiology II. If A & P II is taken concurrently with NURS 1100, it must be passed with a C or better by the end of the Nursing I semester for a student to be eligible to continue in the program.

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

**Nursing Plan of Study ReNEw RN to UW BSN**

This plan will allow students to earn an RN as well prepare them for the BSN degree through the University of Wyoming. This is only a plan. To enroll in the Nursing Program, Year One and Two are Western courses. Year Three combines Western courses and UW courses taken at a distance. Year Four are exclusively UW courses.

See the Associate Degree in Nursing for specific Western degree requirements. Contact a Nursing Advisor or a UW Nursing Advisor for more information and additional requirements.

<table>
<thead>
<tr>
<th>RN to BSN Plan of Study</th>
<th>Year One - Fall Term</th>
<th>Year One - Spring Term</th>
<th>Year Two - Fall Semester</th>
<th>Year Three - Fall Semester</th>
<th>Year Four - Fall Semester (UW Online)</th>
<th>Year Four - Spring Semester (UW Online)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>PSYC 1000</td>
<td>NURS 1100</td>
<td>NURS 4830</td>
<td>NURS 4830</td>
<td>NURS 4830</td>
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<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
<td>BIOL 2015</td>
<td>HLED 1140</td>
<td>UW - PUBLIC/COMMUNITY HEALTH</td>
<td>UW - LEADERSHIP IN HEALTHCARE TODAY</td>
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</tr>
<tr>
<td>BIOL 2010</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
<td>POLS 1000</td>
<td>HLED 1140</td>
<td>UW - COMMUNITY AS CLIENT</td>
<td>UW - LEADING NURSING PRACTICE</td>
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<tr>
<td>MATH 1400</td>
<td>COLLEGE ALGEBRA</td>
<td>ENGL 1020</td>
<td>HLED 1140</td>
<td>UW - HEALTH DISPARITIES</td>
<td>UW - HEALTHCARE SYSTEMS AND POLICY</td>
<td></td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
<td></td>
<td></td>
<td>UW - POPULATION HEALTH</td>
<td>UW - INNOVATION IN NURSING PRACTICE</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>UW - HEALTHCARE INFORMATICS</td>
<td>UW - CONTEMPORARY NURSING PRACTICE</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>UW - HUMAN CULTURE</td>
<td>UW - EVIDENCE-BASED PRACTICE</td>
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<td>Subtotal: 118</td>
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</table>

**Financial Aid Note:** Student must enter a consortium agreement with UW with UW Funding Federal, State, WYIN, WIOA, DVR etc.
**Practical Nursing Certificate**

**Degree Requirements**

**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>
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<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 1400</td>
<td>COLLEGE ALGEBRA</td>
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</tbody>
</table>

**Subtotal:** 22

**Pre-Requisite Notes:**

- MATH 1400 or higher fulfill requirement.

**Program Coursework - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 1100</td>
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</tr>
</tbody>
</table>

**Subtotal:** 9

**Program Coursework - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 1200</td>
<td>PROF NURSING CARE IN CHRONIC</td>
<td>10</td>
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</tbody>
</table>

**Subtotal:** 10

**Program Coursework - Summer Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 1900</td>
<td>PRACTICAL NURSING ROLES</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal:** 1

**Total Credit Hours:** 42

Students admitted to the Associate Degree Nursing Program are eligible to take the NCLEX-PN following successful completion of NURS 1100, NURS 1200, and NURS 1900 and all prerequisite courses.

All above courses must be completed with a “C” or better to earn the Certificate in Practical Nursing.

All prerequisite courses 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 Nursing courses.

Nursing courses available on campus and select distance sites. Theory portion may be delivered using distance methodology. Students may need access to a computer with video and audio capability.

**Oil and Gas Production Technology, Associate of Applied Science**

The Oil and Gas Production Technology program offers core courses related to Process Operations. It is designed to develop technical knowledge regarding gas operations, and prepare students to enter careers as Oil and Gas Production Technicians in the natural gas industry. The curriculum was developed in partnership with the natural gas industry; therefore, it provides training that meets this industry’s expectations. They will develop the skills needed to operate and maintain an Oil and Gas Production package which includes auxiliary equipment. Students are able to take courses to obtain an Oil and Gas Production Certificate in 2 semesters or complete an additional 2 semesters to obtain Oil and Gas Production Technology A.A.S. degree. Upon completion of this program, a student will qualify to become an entry-level Oil and Gas Production Technician. These individuals generally work 40-hour weeks plus overtime, perform tasks requiring good mental and physical aptitude, and work with a variety of materials and equipment. Most technicians in the local area can expect an annual starting wage of $50,000. Technicians with experience can move into advanced positions such as, field supervisors, as well as areas such as instrumentation and automation.

**Degree Requirements**

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>1st YEAR SUCCESS</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal:** 19

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 1510</td>
<td>COMPRESSION TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 1520</td>
<td>COMPRESSION TECHNOLOGY II</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 1530</td>
<td>COMPRESSION TECHNOLOGY III</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1515</td>
<td>OIL &amp; GAS PUMP TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1540</td>
<td>OIL &amp; GAS PRODUCTION IV</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
<td>3</td>
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</tbody>
</table>

**Subtotal:** 18

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGE LEVEL MATH</td>
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<tr>
<td>INDM 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
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</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<tr>
<td>HMDV 1005</td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal:** 13-14

**Sophomore Year - Fall Semester Notes:**

- College Level Math can be fulfilled by any math course 1000 level or higher. Or course can be replaced with Concepts of Physics (PHYS 1050).
- Health & Human Activity requirement can be fulfilled with courses from the PEAC prefix or HLED 1003.

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2005</td>
<td>TECHNICAL WRITING</td>
<td>3</td>
</tr>
<tr>
<td>HLED 1225</td>
<td>FIRST AID AND CPR</td>
<td>2</td>
</tr>
<tr>
<td>INDM 1590</td>
<td>INDUSTRIAL PNEUMATICS</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600</td>
<td>US &amp; WYOMING CONSTITUTION</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 1005</td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
<td>2</td>
</tr>
</tbody>
</table>

**Subtotal:** 16

**Sophomore Year - Spring Semester Notes:**

- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).
- Health & Human Activity requirement can be fulfilled with courses from the PEAC prefix or HLED 1003.

**Subtotal:** 66-67

**Total Credit Hours:** 66-67

**Oil and Gas Production Operator Certificate**

The Oil and Gas Production Technology Certificate offers core courses related to Process Operations. It is designed to develop
technical knowledge regarding gas operations, and prepare students to enter careers as Oil and Gas Production Technicians in the natural gas industry. The curriculum was developed in partnership with the natural gas industry; therefore, it provides training that meets this industry’s expectations. They will develop skills needed to operate and maintain an Oil and Gas Production Units which includes auxiliary equipment. Students are able to take courses to obtain an Oil and Gas Production Certificate in 2 semesters and may continue an additional 2 semesters to obtain Oil and Gas Production Technology A.A.S. degree. Upon completion of this program, a student will qualify to become an entry-level Oil and Gas Production Technician. These individuals generally work 40-hour weeks plus overtime, perform tasks requiring good mental and physical aptitude, and work with a variety of materials and equipment. Most technicians in the local area can expect an annual starting wage of $50,000. Technicians with experience can move into advanced positions such as, field supervisors, as well as areas such as instrumentation and automation.

Degree Requirements

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
<td>3</td>
</tr>
<tr>
<td>OGPT 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3</td>
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<tr>
<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18

Fall Semester Notes:
- 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: OGPT 1510, OGD 1520, OGD 1530, ELTR 1520.

Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 1510</td>
<td>COMPRESSION TECHNOLOGY I</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUC</td>
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</tr>
<tr>
<td>OGD 1515</td>
<td>OIL &amp; GAS PUMP TECHNOLOGY</td>
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<tr>
<td>OGD 1540</td>
<td>OIL &amp; GAS PRODUCTION IV</td>
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<td>CMAP 1200</td>
<td>COMPUTER INFORMATION</td>
<td>3</td>
</tr>
<tr>
<td>HLED 1225</td>
<td>FIRST AID AND CPR</td>
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Subtotal: 17

Spring Semester Notes:
- 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: CMPT 1510, OGD 1515, OGD 1540, ELTR 1850.

Subtotal: 35

Total Credit Hours: 35

Police I Certificate

The Police I Certificate is the first part, of a possible two part series of classes, designed for those who specifically desire to work in Law Enforcement. Many Departments Nationwide are having issues filling their ranks. Entrance exams for many departments include questions someone who has been out of school for a brief time, might not remember. This 30-Credit Hour program is designed to prepare someone to take those entrance exams and pass on the first try. The program will also cover a lot of the basics necessary to successfully work as an officer including report writing, basic investigations, and criminal law. Eventually a second certificate may be created to help the officer looking to promote with management and human resource classes.

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CRMJ 1015</td>
<td>HOMELAND SECURITY:</td>
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<tr>
<td>CRMJ 1550</td>
<td>COMMUNITY RELATIONS</td>
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</tr>
<tr>
<td>CRMJ 1905</td>
<td>REPORT WRITING FOR THE</td>
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<tr>
<td>CRMJ 2120</td>
<td>INTRODUCTION TO CRIMINAL</td>
<td>3</td>
</tr>
<tr>
<td>CRMJ 2155</td>
<td>CURRENT EVENTS AND ISSUES IN</td>
<td>3</td>
</tr>
<tr>
<td>CRMJ 2210</td>
<td>CRIMINAL LAW I</td>
<td>3</td>
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<tr>
<td>CRMJ 2400</td>
<td>CRIMINOLOGY</td>
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<td>CRMJ 2550</td>
<td>CRIMINAL INVESTIGATION I</td>
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<td>CRMJ 2155</td>
<td>APPROVED EMERGENCY MANAGEMENT</td>
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<tr>
<td>TECH 1000</td>
<td>INTRO TO TECHNICAL MATHMATICS</td>
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Subtotal: 30

Required Course Notes:
- Approved Emergency Management Course can be fulfilled by Principles of Emergency Management (EMGT 1500) or Disaster Exercise Design & Evaluation (EMGT 2610).

Subtotal: 30

Total Credit Hours: 30

Program is not eligible for Federal Funding.

Political Science, Associate of Arts

Political Science is a multi-faceted sub-discipline within the realm of the Social Sciences, drawing upon theoretical and practical lessons derived from the study of human societies. As an academic discipline, Political Science allows students to focus on and study a wide array of fascinating aspects of human behavior, including; the concept of power; the wielding of power in the context of authoritative decision-making; political leadership; types and forms of political and governmental institutions; the basis of laws for organizing and governing societies; forms of political participation in different societies; comparing and contrasting different political systems across the world; international relations and global politics; among others. A Political Science Associate of Arts degree opens doors for students into further, more advanced, areas of study, as well as professional application in a variety of career settings, including; education [at all levels]; journalism; law; and public service (locally, nationally, and internationally). Students in the discipline are encouraged to develop important skills in critical thinking and inquiry, as well as regarding quality verbal and written communication. Ultimately, the study of Political Science provides students with valuable know-how for becoming more complete local, national and global citizens—regardless of particular occupations or professions.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
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<tr>
<td>HIST 1211</td>
<td>U.S. TO 1865</td>
<td>3</td>
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<tr>
<td>SPAN 1010</td>
<td>FIRST YEAR SPANISH I</td>
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<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<tr>
<td>MATH 1400</td>
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<td>HMDV 1005</td>
<td>1ST YEAR SUCCESS</td>
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</table>

Subtotal: 15
Freshman Year - Fall Semester Notes:
- SPAN 1010 can another foreign language course, when available.
- Health & Human Activity requirement can be fulfilled with courses from the PEAC prefix or HLED 1003.

### Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>HIST 1221</td>
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<td>POLS 1000</td>
<td>AMERICAN &amp; WYOMING</td>
<td>3</td>
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<td>GOVERNMENT</td>
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<td>SPAN 1020</td>
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**Subtotal: 17**

Freshman Year - Spring Semester Notes:
- SPAN 1020 can another foreign language course, when available.
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or Physical Geology (GEOL 1100).

### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>NON WESTERN POLITICAL CULTURES</td>
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<tr>
<td>POLS 2128</td>
<td>TERRORISM</td>
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<td>COMM 2010</td>
<td>PUBLIC SPEAKING</td>
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<td>SPAN 2030</td>
<td>SECOND YEAR SPANISH I</td>
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<td></td>
<td>SOCIAL SCIENCE</td>
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</table>

**Subtotal: 16**

Sophomore Year - Fall Semester Notes:
- Social Science can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Sociological Principles (SOC 1000), or Social Problems (SOC 1100).

### Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>POLS 2310</td>
<td>INTRO TO INTERNATIONAL RELATIONS</td>
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<td>APPROVED ECONOMICS OR STATISTICS</td>
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<td>PSYC 1000</td>
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<tr>
<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
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</table>

**Subtotal: 16-17**

Sophomore Year - Spring Semester Notes:
- Approved Economics or Statistics Course can be fulfilled by Statistics for Social Science (STAT 2070) or Microeconomics (ECON 1010).
- Approved Communication Course can be fulfilled by Latin American Studies (POL2250), Interpersonal Communication (COMM 1030), or Introduction to Human Communication (COMM 1040).
- Social Science can be fulfilled with Introduction to Cultural Anthropology (ANTH 1200), Sociological Principles (SOC 1000), or Social Problems (SOC 1100).

Subtotal: 64-65

**Total Credit Hours: 64-65**

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### Popular Music, Instrumental, Associate of Arts

Popular Music, Instrumental offers students the opportunity to study the individual art form of music, as well as its relationship to other performing arts of dance, theatre, and technical theatre. Popular Music provides the foundation for performing careers in live music, dance, theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensely collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians, actors and dancers beyond music. It is possible for a student who obtains an A.A. in Popular Music to earn between $10 - $15 per hour as a performer with dance, music or theatre organizations across the country, however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Popular Music degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B. A. or B. M. in music may be sufficient for those interested in performing, generally two to five years of graduate study leading to an M. A. or M. M. E. or D. Mus. Ed. (for educators), an M.M. or D. M. A. or Ph. D. (for higher education careers) may be required.

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 1030</td>
<td>WRITTEN THEORY I</td>
<td>3</td>
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<td>MUSC 1035</td>
<td>AURAL THEORY I</td>
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<td>MUSC 1290</td>
<td>CLASS PIANO I</td>
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<tr>
<td>MUSC 2073</td>
<td>APPLIED MUSIC PIANO</td>
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<td>MUSC 2077</td>
<td>APPLIED MUSIC</td>
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**Subtotal: 15**

#### Freshman Year - Spring Semester

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<td>MUSC 1040</td>
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<td>MUSC 1045</td>
<td>AURAL THEORY II</td>
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<td>MUSC 1291</td>
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<td>MUSC 2073</td>
<td>APPLIED MUSIC PIANO</td>
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<td>MUSC 1415</td>
<td>AUDIO BASICS &amp; LIVE SOUND</td>
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<td>MUSC 2010</td>
<td>POPULAR MUSIC SURVEY</td>
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<td>MUSC 2020</td>
<td>MUSIC CONVOCATION</td>
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<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II</td>
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**Subtotal: 17**

#### Sophomore Year - Fall Semester

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<tr>
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<td>WRITTEN THEORY III</td>
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<tr>
<td>MUSC 2035</td>
<td>AURAL THEORY III</td>
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<td>MUSC 1295</td>
<td>CLASS PIANO III</td>
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<td>MUSC 2073</td>
<td>APPLIED MUSIC PIANO</td>
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<tr>
<td>MUSC 1070</td>
<td>APPLIED MUSIC COMPOSITION</td>
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<tr>
<td></td>
<td>ENSEMBLE, 2CR</td>
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AND/OR
MUSC 1036 IMPROVISATION STRATEGIES 1
MUSC 0200 MUSIC CONVOCATION 1
ANTH 1200 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3
US & WYOMING CONSTITUTION 3

Subtotal: 16

Sophomore Year - Fall Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).
- Ensemble or MUSC 1036: Take 2 credits of Ensemble, or 1 Ensemble & MUSC 1036.

Sophomore Year - Spring Semester
MUSC 2040 WRITTEN THEORY IV 3
MUSC 2045 AURAL THEORY IV 1
MUSC 1296 CLASS PIANO IV 1
OR
MUSC 2073 APPLIED MUSIC PIANO 1-2
MUSC 1435 AUDIO RECORDING 3
MUSC 0200 MUSIC CONVOCATION 2
MUSC 2395 PIANO PROFICIENCY 2
APPLIED MUSIC 2
ENSEMBLE, 2CR 2
AND/OR
MUSC 1036 IMPROVISATION STRATEGIES 1
Biol 1003 CURRENT ISSUES IN BIOLOGY 4
OR
PHYS 1050 CONCEPTS OF PHYSICS 4
HMDV 2411 ASSESSMENT REQUIREMENT 4

Subtotal: 16

Sophomore Year - Spring Semester Notes:
- Ensemble or MUSC 1036: Take 2 credits of Ensemble, or 1 Ensemble & MUSC 1036.

Subtotal: 64

Total Credit Hours: 64

Applied Lessons can be filled with the following courses: MUSC 2071, MUSC 2073, MUSC 2074, MUSC 2075, MUSC 2076, MUSC 2077, or MUSC 2078. See advisor to choose the appropriate course.

Ensemble can be filled with the following courses: MUSC 1390, MUSC 1465, MUSC 1485, or MUSC 1490. Each of these courses require instructor permission. See advisor to choose the appropriate course.

Popular Music, Voice, Associate of Arts

Popular Music, Voice offers students the opportunity to study the individual art form of music, as well as its relationship to the other performing arts of dance, theatre, and technical theatre. Popular Music provides the foundation for performing careers in live music, dance, theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensely collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians, actors and dancers beyond music. It is possible for a student who obtains an A.A. in Popular Music to earn between $10 - $15 per hour as a performer with dance, music or theatre organizations across the country, however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Popular Music degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B. A. or B. M. in music may be sufficient for those interested in performing, generally two to five years of graduate study leading to an M. A. or M. M. E. or D. Mus. Ed. (for educators), an M.M. or D. M. A. or Ph. D. (for higher education careers) may be required.

Degree Requirements
Freshman Year - Fall Semester
MUSC 1030 WRITTEN THEORY I 3
MUSC 1035 AURAL THEORY I 1
MUSC 1290 CLASS PIANO I 1
OR
MUSC 2073 APPLIED MUSIC PIANO 1-2
MUSC 2074 APPLIED MUSIC VOICE 1-2
MUSC 0200 MUSIC CONVOCATION 2
ENSEMBLE, 2CR 2
MATH 1000 PROBLEM SOLVING 3
ENGL 1010 ENGLISH COMPOSITION I 3
HMDV 1005 1st YEAR SUCCESS 1

Subtotal: 16

Freshman Year - Spring Semester
MUSC 1040 WRITTEN THEORY II 3
MUSC 1045 AURAL THEORY II 1
MUSC 1291 CLASS PIANO II 1
OR
MUSC 2073 APPLIED MUSIC PIANO 1-2
MUSC 2074 APPLIED MUSIC VOICE 1-2
ENSEMBLE 1
MUSC 0200 MUSIC CONVOCATION 1
MUSC 1415 AUDIO BASICS & LIVE SOUND REINFORCEMENT 3
ENGL 2010 POPULAR MUSIC SURVEY 3
ENGL 1020 ENGLISH COMPOSITION III 3

Subtotal: 17

Sophomore Year - Fall Semester
MUSC 2030 WRITTEN THEORY III 3
MUSC 2035 AURAL THEORY III 1
MUSC 1295 CLASS PIANO III 1
OR
MUSC 2073 APPLIED MUSIC PIANO 1-2
MUSC 2074 APPLIED MUSIC VOICE 1-2
ENSEMBLE 1
MUSC 1070 APPLIED MUSIC COMPOSITION 1-2
MUSC 0200 MUSIC CONVOCATION 1
Biol 1003 CURRENT ISSUES IN BIOLOGY 4
OR
PHYS 1050 CONCEPTS OF PHYSICS 4
US & WYOMING CONSTITUTION 3

Subtotal: 16

Sophomore Year - Fall Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).

Sophomore Year - Spring Semester
MUSC 2040 WRITTEN THEORY IV 3
MUSC 2045 AURAL THEORY IV 1
MUSC 1296 CLASS PIANO IV 1
OR
MUSC 1297 MUSIC CONVOCATION 1
MUSC 0200 MUSIC COMPOSITION 1
ENSEMBLE 1
MATH 1000 PROBLEM SOLVING 3
ENGL 1010 ENGLISH COMPOSITION II 3

Subtotal: 16
### Suggested Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>MUSC 2073</td>
<td>APPLIED MUSIC PIANO</td>
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<tr>
<td>MUSC 2074</td>
<td>APPLIED MUSIC VOICE</td>
<td>1-2</td>
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<tr>
<td>MUSC 0200</td>
<td>MUSIC CONVOCATION</td>
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<tr>
<td>MUSC 2395</td>
<td>PIANO PROFICIENCY</td>
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<td>MUSC 1435</td>
<td>AUDIO RECORDING</td>
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<td>ANTH 1200</td>
<td>INTRODUCTION TO CULTURAL</td>
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<td></td>
<td>ANTHROPOLOGY</td>
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<td>SOC 1000</td>
<td>SOCIOLOGICAL PRINCIPLES</td>
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<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
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Subtotal: 64

### Total Credit Hours: 64

Ensembles, where listed for two credits, two individual Ensembles must be taken.

Ensembles can be selected from the following courses: MUSC 1400, MUSC 1450, or MUSC 1465. Each of these courses require instructor permission.

### Pre-Dental Hygiene, WWCC to Sheridan College Program

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 Sheridan College by February 15 of the year of entry into the professional program. Applications will include the following: online application to Sheridan College, online Dental Hygiene admissions application, and official transcripts from all colleges and high schools. A minimum of 20 credits of pre-requisite courses must be completed prior to making application.

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 2.5 will not be considered due to state board requirements.

http://www.sheridan.edu/site/sc/academics/programs-and-majors/dental-hygiene/admissions/

### Requirements

#### Suggested Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
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<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
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<tr>
<td>BIOL 2010</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY</td>
<td>4</td>
</tr>
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<td>MATH 1400</td>
<td>COLLEGE ALGEBRA</td>
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<td>INTRODUCTORY CHEMISTRY</td>
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<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY</td>
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<tr>
<td>MOLB 2210</td>
<td>GENERAL MICROBIOLOGY</td>
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<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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<tr>
<td>HLED 1140</td>
<td>NUTRITION</td>
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Subtotal: 15

#### Requirement Notes:

- Please see advisor prior to enrolling for CHEM 1000.
- Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200) or Sociological Principle (SOC 1000).
- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Technical Writing (ENGL 2005).
- 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: 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.

Subtotal: 42

### Total Credit Hours: 42

### Pre-Health Sciences, Associate of Science

The Pre-Health Sciences emphasis at Western Wyoming Community College is designed for students seeking transfer to a 4-year university to continue education in health related fields including pre-dentistry, pre-medicine, pre-physical therapy, and pre-veterinary medicine. The Pre-Health Sciences is one of several majors at Western, including Biology Sciences, Chemistry, and Exercise Science, that give the student a solid foundation for transfer to a 4-year program and eventual acceptance into a health professional program. Most colleges today do not have a "pre-med" major and require a student to select a specific major such as Biology, Physiology or Chemistry. Exercise Science is a closely related major and works well with most Pre-Health career paths and is a great compliment to a student who wants to pursue Physical Therapy or Sports Medicine. You can find the various program outlines under the "Programs" section of the print and online catalogs. 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. Pre-Pharmacy is listed individually under the Science and Mathematics Program section of the catalog.

The admission and program requirements at the institution to which the student wishes to transfer vary significantly and students should select their coursework and major area of study to best fit their educational goals and the requirements of target institutions. All Pre-Health Science majors need to develop these basic skills:

a. Ability to find and evaluate scientific information.

b. Ability to think critically.

c. Ability to design and implement scientific experiments.

d. Ability to communicate clearly, concisely, and competently.
A degree in Pre-Health Sciences from Western Wyoming Community College provides the dedicated student with a strong scientific background and the tools necessary to successfully pursue a degree in professions in the health sciences. The program is designed as a stepping stone and, while not directly preparing students for employment, will equip students with a foundation to pursue employment in areas of health science including medical doctor, physical therapist, dentist and veterinarian.

**Degree Requirements**

**Freshman Year - Fall Semester**
- BIOL 1010 **GENERAL BIOLOGY** 4
- CHEM 1020 **GENERAL CHEMISTRY I** 4
- ENGL 1010 **ENGLISH COMPOSITION I** 3
- MATH 1400 **COLLEGE ALGEBRA** 3
- HMDV 1005 **1st YEAR SUCCESS** 1

Subtotal: 16

**Freshman Year - Fall Semester Notes:**
- MATH 1400 or higher will meet requirement.

**Freshman Year - Spring Semester**
- BIOL 2022 **ANIMAL BIOLOGY** 4
- CHEM 1030 **GENERAL CHEMISTRY II** 4
- MATH 1405 **TRIGONOMETRY** 3
- HMDV 2411 **ASSESSMENT REQUIREMENT** 3

Subtotal: 17

**Freshman Year - Spring Semester Notes:**
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).
- Approved English Course can be fulfilled by English Composition II (ENGL 1020), Technical Writing (ENGL 2005), or Writing Studies (ENGL 2019).

**Sophomore Year - Fall Semester**
- CHEM 2320 **ORGANIC CHEMISTRY I** 4
- PHYS 1110 **GENERAL PHYSICS I** 4
- HMDV 1005 **1st YEAR SUCCESS** 1

Subtotal: 16

**Sophomore Year - Fall Semester Notes:**
- Approved Math or Science Course can be fulfilled by Plant and Fungal Biology (BIOL 2023) or Calculus I (MATH 2200).
- Health and Human Activity courses are recommended to be fulfilled by Desert Living Skills (PEAC 1296), Hike & Fish (PEAC 1308), Hike-Camp-Fish (PEAC 1309), or Wilderness Navigation (PEAC 2025).
- Social Science can be fulfilled by Introduction to Geography (G&R 1050), Nutrition (HLED 1140), General Psychology (PSYC 1000), or Macroeconomics (ECON 1010).

**Sophomore Year - Spring Semester**
- MOLB 2210 **GENERAL MICROBIOLOGY** 4
- CHEM 2340 **ORGANIC CHEMISTRY II** 4
- PHYS 1120 **GENERAL PHYSICS II** 4

**Sophomore Year - Spring Semester Notes:**
- Approved English Course can be fulfilled by English Composition II (ENGL 1020) or Technical Writing (ENGL 2005).

**Pre-Pharmacy, Associate of Science**

The Pre-Pharmacy emphasis at Western Wyoming Community College is designed for students seeking transfer to a 4-year university to continue education in pharmacy and/or a PharmD program. The Pre-Pharmacy program gives the student a solid foundation for transfer to a 4-year program and eventual acceptance into a PharmD program. You can find the various program outlines under the “Programs” section of the print and online catalogs.

The admission and program requirements at the institution to which the student wishes to transfer vary significantly and students should select their coursework and major area of study to best fit their educational goals and the requirements of target institutions. All Pre-Pharmacy majors need to develop these basic skills:

1. Ability to find and evaluate scientific information.
2. Ability to think critically.
3. Ability to design and implement scientific experiments.
4. Ability to communicate clearly, concisely, and competently.

A degree in Pre-Pharmacy from Western Wyoming Community College provides the dedicated student with a strong scientific background and the tools necessary to successfully pursue a degree in pharmacy or allied fields. The program is designed as a stepping stone and, while not directly preparing students for employment, will equip students with a foundation to pursue employment in areas of pharmacy, pharmacology, and toxicology.

**Degree Requirements**

**Freshman Year - Fall Semester**
- BIOL 1010 **GENERAL BIOLOGY** 4
- CHEM 1020 **GENERAL CHEMISTRY I** 4
- MATH 1400 **ENGLISH COMPOSITION I** 3
- HMDV 1005 **1st YEAR SUCCESS** 1

Subtotal: 16

**Freshman Year - Spring Semester**
- BIOL 2022 **ANIMAL BIOLOGY** 4
- CHEM 1030 **GENERAL CHEMISTRY II** 4
- MATH 2200 **CALCULUS I** 4
- HMDV 1005 **1st YEAR SUCCESS** 1

Subtotal: 16

**Sophomore Year - Spring Semester Notes:**
- Approved Humanities/Applied Arts course can be fulfilled by First Year Spanish I (SPAN 1010), Ethics (PHIL 2300), Interpersonal Communication (COMM 1030), or Public Speaking (COMM 2010).
Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).
- Social Science/Humanities course can be fulfilled by Macroeconomics (ECON 1010), Microeconomics (ECON 1020), First Year Spanish I (SPAN 1010), or First Year Spanish II (SPAN 1020).

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>COURSE</th>
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<tr>
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Subtotal: 16

**Sophomore Year - Fall Semester Notes:**
- Social Science/Humanities course can be fulfilled by Macroeconomics (ECON 1010), Microeconomics (ECON 1020), First Year Spanish I (SPAN 1010), or First Year Spanish II (SPAN 1020).

**Sophomore Year - Spring Semester**

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Subtotal: 15

**Pre-Radiology, Associate of Science**

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. The Associate of Science degree with an emphasis in Pre-Radiology will fulfill the prerequisite requirements for the Radiologic Technology program at Weber. Students should apply to Weber and their Radiology program in the fall of their sophomore year.

Weber’s outreach program allows accepted students who are site bound an opportunity to complete an Associate of Applied Science in Radiologic Technology. These students may continue to live in their own community and work on their degree. Students accepted to Weber’s program are required to travel to Utah for course work and to various hospitals for clinical instruction once a month.

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 sale 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.

**Degree Requirements**

**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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<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<td>POLS 1000</td>
<td>AMERICAN &amp; WYOMING GOVERNMENT</td>
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<td>HMDV 2411</td>
<td>ASSESSMENT REQUIREMENT</td>
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Subtotal: 3

**Sophomore Year - Spring Semester Notes:**
- Approved Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Introduction to Philosophy (PHIL 1000), Drugs and Behavior (PSYC 2210), or Psychology of Adjustment (PSYC 2330).
- Approved Language Course can be fulfilled by American Sign Language I (ASL 1200), First Year French I (FREN 1010), or First Year Spanish I (SPAN 1010).
- Approved Math or Science Course can be fulfilled by Introductory Chemistry (CHEM 1000), General Microbiology (MOLB 2210), Concepts of Physics (PHYS 1050), or Fundamentals of Statistics (STAT 2050).

**Sophomore Year - Fall Semester**

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Subtotal: 3

**Sophomore Year - Spring Semester**

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<td>HMDV 2411</td>
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Subtotal: 15

**Freshman Year - Fall Semester Notes:**
- Approved Art Course can be fulfilled by Photography I (ART 1150) or Ceramics I (ART 2410).
- MATH 1400 or higher will meet requirement.

**Freshman Year - Spring Semester**

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Subtotal: 16

**Total Credit Hours: 64**
Psychology, Associate of Arts

Psychology is a dynamic discipline that can lead to rewarding careers in mental health services, teaching, counseling, and research. Human behavior is a complex and fascinating discipline and, as an academic topic, can provide the foundation for a variety of majors. The Psychology Associate of Arts degree is intended for students interested in teaching, medicine, law, social work, business, or in human services such as mental health, nursing, child care, and criminal justice. It is also designed for transfer to university programs in psychology. The concepts students will learn encourage critical thinking, as well as the ability to integrate psychological principles and applications. The skills they will develop will exemplify the process of inquiry through the research process and help them to stay current with trends in the field, as well as convey respect for human unity and diversity. A student who obtains an Associates degree in Psychology might work as a psychiatric nursing assistant or orderly, youth counselor, case technician, human service assistant, home care aide, or addiction rehabilitation assistant. Students intending to work in the psychology field will need at least a Bachelor's degree. There are careers in psychology available in Sweetwater County, Wyoming, and nationwide.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<td>POLS 1000</td>
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Freshman Year - Fall Semester Notes:

- Approved Math Course can be fulfilled by Problem Solving (MATH 1000) or College Algebra (Math 1400).

Freshman Year - Spring Semester

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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Freshman Year - Spring Semester Notes:

- Approved English Course can be fulfilled by English Composition II (ENGL 1020), Technical Writing (ENGL 2005), or Writing Studies (ENGL 2019).
- Approved Social Science Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200) or North American Indians (ANTH 2210).

Sophomore Year - Fall Semester

<table>
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Sophomore Year - Fall Semester Notes:

- Approved Statistics Course can be fulfilled by Fundamentals of Statistics (STAT 2050) or Statistics for Social Science (STAT 2070).
- Please see advisor to determine appropriate humanities course.

Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>PSYC 2210</td>
<td>DRUGS AND BEHAVIOR</td>
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<td>PSYC 1000</td>
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Sophomore Year - Spring Semester Notes:

- Psychology Elective should be fulfilled by Domestic Violence/Sexual Assault (PSYC 1300), Introductory Counseling (PSYC 2050), or Sociology of Human Sexuality (SOC 2200).
- Approved Social Science Course can be fulfilled by Introduction to Philosophy (PHIL 1000) or Intro to Women's Studies (SOC 1080).

**Total Credit Hours: 65**

Secondary Education, English, Associate of Arts

Teachers change lives by opening new worlds for students and inspiring them to reach their goals. The secondary education degree with an emphasis in English prepares students to teach in both public and private middle, junior high, and high schools. Students will be able to teach English language arts, writing, and literature courses. Western’s teaching preparation focuses on current and innovative teaching theories including the implementation of a service learning project, technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, lesson design, and educational psychology. The students experience hands-on what it means to be a secondary English teacher because the program provides them the opportunity to participate in public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforced by the teachers, they give students real-world teaching practices, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor's degree program. Students wanting to enter the teaching field must obtain at least a bachelor's degree in education. Therefore, Western's education program has specific pathways that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

Degree Requirements

Freshman Year - Fall Semester

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<tr>
<th>Course</th>
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### Sophomore Year

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Subtotal: 14

#### Freshman Year - Fall Semester Notes:
- Approved History Course can be fulfilled by U.S to 1865 (HIST 1211) or U.S from 1865 (HIST 1221). Students transferring to UW should replace the course with POLS 1000.

#### Freshman Year - Spring Semester

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Subtotal: 17

#### Freshman Year - Spring Semester Notes:
- Approved English Course can be fulfilled by Writing Studies (ENGL 2019) or English Composition II (ENGL 1020).
- Lab Science can be fulfilled by Current Issues in Biology (BIOL 1003), Introductory Chemistry (CHEM 1000), Concepts of Physics (PHYS 1050), or Physical Geology (GEOL 1100).
- Approved Communication Course can be fulfilled by First Year French I (FREN 1010) or First Year Spanish I (SPAN 1010). Students transferring out of Wyoming should take PSYC 1000 to replace their communication course.
- Elective can be fulfilled with any course. Students transferring out of state, without foreign language, should take ENGL 2251.

### Sophomore Year - Fall Semester

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Subtotal: 17

#### Sophomore Year - Fall Semester Notes:
- Approved Communication Course can be fulfilled by First Year French II (FREN 1020) or First Year Spanish II (SPAN 1020). Students transferring out of Wyoming should take PSYC 2300 to replace their communication course.

### Sophomore Year - Spring Semester

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Subtotal: 19

#### Sophomore Year - Spring Semester Notes:
- Approved English Course can be fulfilled by Creative Writing (ENGL 2040) or Creative Writing: Prose I (ENGL 2050). VCSU transfers should replace their English course with ENGL 2420 or THEA 1100.
- Out of state transfers should replace SPAN 2030 with ENGL 2230 and choose an additional one credit elective.

Subtotal: 67

Total Credit Hours: 67

### Secondary Education, Mathematics, Associate of Science

Teachers change lives – they can open new worlds for students and inspire them to reach their goals. The secondary education degree with an emphasis in math prepares students to teach in both public and private middle, junior high, and high schools. Students will be able to teach all levels of math. Western’s teaching preparation focuses on current and innovative teaching theories including the implementation of a service learning project, technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, lesson design, and educational psychology. The students experience hands-on what it means to be a secondary math teacher because the program provides them the opportunity to participate in public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforced by the teachers, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor’s degree program. Students wanting to enter the teaching field must obtain at least a bachelor’s degree in education. Therefore, Western’s education program has specific pathways that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

#### Degree Requirements

### Freshman Year - Fall Semester

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Subtotal: 15

### Freshman Year - Spring Semester

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<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II</td>
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<td>MATH 2205</td>
<td>CALCULUS II</td>
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<tr>
<td>EDFD 2020</td>
<td>FOUNDATIONS OF EDUCATION</td>
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</tr>
<tr>
<td>ENGL 2005</td>
<td>LAB SCIENCE</td>
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</table>

Subtotal: 15

#### Freshman Year - Spring Semester Notes:
- Lab Science can be fulfilled with College Physics I (PHYS 1310), Current Issues in Biology (BIOL 1003), Introductory Chemistry (CHEM 1000), Concepts of Physics (PHYS 1050), or Physical Geology (GEOL 1100).
Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
BIOL 1010  GENERAL BIOLOGY  4
EDFD 2020  FOUNDATIONS OF EDUCATION  4
APPROVED HISTORY COURSE  3
APPROVED ELECTIVE  1
Subtotal: 15

Sophomore Year - Spring Semester Notes:
- Approved History Course can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221) or American & Wyoming Government (POLS 1000). Students transferring to the University of Wyoming should take POLS 1000.
- Elective credit can be filled with any course.

Sophomore Year - Fall Semester
ITEC 2360  TEACHING WITH TECHNOLOGY  3
EDFD 2100  EDUCATIONAL PSYCHOLOGY  4
BIOL 2010  HUMAN ANATOMY & PHYSIOLOGY I  4
CHEM 1000  INTRODUCTORY CHEMISTRY  4
HLED 1140  NUTRITION  3
Subtotal: 18

Total Credit Hours: 64

Secondary Education, Science, Associate of Science

Teachers change lives – they can open new worlds for students and inspire them to reach their goals. The K-12 education degree in physical education prepares students to teach in both public and private elementary, middle, junior high, and high schools. Students will be able to teach physical education and health courses. Western’s teaching preparation focuses on current and innovative teaching theories including the implementation of a service learning project, technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, lesson design, and educational psychology. The students experience hands-on what it means to be a physical education teacher because the program provides them the opportunity to participate in public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforced by the teachers, they give students real-world teaching practices, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor’s degree program. Students wanting to enter the teaching field must obtain at least a bachelor’s degree in education. Therefore, Western’s education program has specific pathways that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

Degree Requirements

Freshman Year - Fall Semester
EDCI 1000  EDUCATION EXPERIENCE  2
EDCI 2440  INTRODUCTION TO CLASSROOM MANAGEMENT  2
COMM 2010  PUBLIC SPEAKING  3
ENGL 1010  ENGLISH COMPOSITION I  3
MATH 1400  COLLEGE ALGEBRA  4
HMDV 1005  1st YEAR SUCCESS  1
Subtotal: 14
Degree Requirements

Freshman Year - Fall Semester
COMM 2010  PUBLIC SPEAKING  3
ENGL 1010  ENGLISH COMPOSITION I  3
EDCI 1000  EDUCATION EXPERIENCE  2
PROSPECTIVE TCHRS
EDCI 2440  INTRODUCTION TO CLASSROOM MANAGEMENT  2
MATH 1400  COLLEGE ALGEBRA  3
HMDV 1005  1st YEAR SUCCESS  1
Total Credit Hours: 64

Thank you for providing the information. It seems like there was a mix-up with the pages and the text. Here is the text from the page you provided:

paths that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

Degree Requirements
Freshman Year - Fall Semester
COMM 2010  PUBLIC SPEAKING  3
ENGL 1010  ENGLISH COMPOSITION I  3
EDCI 1000  EDUCATION EXPERIENCE  2
PROSPECTIVE TCHRS
EDCI 2440  INTRODUCTION TO CLASSROOM MANAGEMENT  2
MATH 1400  COLLEGE ALGEBRA  3
HMDV 1005  1st YEAR SUCCESS  1
Total Credit Hours: 64

Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
Biol 1010  GENERAL BIOLOGY  4
EDFD 2020  FOUNDATIONS OF EDUCATION  4
MATH 1405  TRIGNOMETRY  3
MAJOR AREA COURSES  3
Subtotal: 17

Sophomore Year - Fall Semester
ITEC 2360  TEACHING WITH TECHNOLOGY  3
EDFD 2100  EDUCATIONAL PSYCHOLOGY  4
PHYS 1110  GENERAL PHYSICS I  4
MATH 2200  CALCULUS I  4
Subtotal: 15

Sophomore Year - Spring Semester
EDEX 2484  INTRODUCTION TO SPECIAL EDUCATION  3
HIST 1211  U.S. TO 1865  3
CHEM 1020  GENERAL CHEMISTRY I  4
STAT 2050  FUNDAMENTALS OF STATISTICS  4
LAB SCIENCE  4
HMDV 2411  ASSESSMENT REQUIREMENT  3
Subtotal: 18

Sophomore Year - Spring Semester Notes:
- Students transferring to the University of Wyoming should replace HIST 1211 with POLS 1000.
- Science elective should be the next level of a lab science in the sequence of your chosen major.

Subtotal: 64
Total Credit Hours: 64

Secondary Education, Social Studies, Associate of Arts

Teachers change lives by opening new worlds for students and inspiring them to reach their goals. The secondary education degree with an emphasis in social studies prepares students to teach in both public and private middle, junior high, and high schools. Students will be able to teach social studies, history, economics, and geography. Western’s teaching preparation focuses on current and innovative teaching theories including the implementation of a service learning project, technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, lesson design, and educational psychology. The students experience hands-on what it means to be a secondary social studies teacher because the program provides them the opportunity to participate in public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforced by the teachers, they give students real-world teaching practices, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor’s degree program. Students wanting to enter the teaching field must obtain at least a bachelor’s degree in education. Therefore, Western’s education program has specific pathways that will create a seamless transfer to any university in the country upon the successful completion of the associate degree requirements.

Degree Requirements
Freshman Year - Fall Semester
COMM 2010  PUBLIC SPEAKING  3
EDCI 1000  EDUCATION EXPERIENCE  2
PROSPECTIVE TCHRS
EDCI 2440  INTRODUCTION TO CLASSROOM MANAGEMENT  2
MATH 1400  COLLEGE ALGEBRA  3
HMDV 1005  1st YEAR SUCCESS  1
Subtotal: 14

Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
Biol 1010  GENERAL BIOLOGY  4
EDFD 2020  FOUNDATIONS OF EDUCATION  4
MATH 1405  TRIGNOMETRY  3
MAJOR AREA COURSES  3
Subtotal: 17

Sophomore Year - Fall Semester
ITEC 2360  TEACHING WITH TECHNOLOGY  3
EDFD 2100  EDUCATIONAL PSYCHOLOGY  4
PHYS 1110  GENERAL PHYSICS I  4
MATH 2200  CALCULUS I  4
Subtotal: 15

Sophomore Year - Spring Semester
EDEX 2484  INTRODUCTION TO SPECIAL EDUCATION  3
HIST 1211  U.S. TO 1865  3
CHEM 1020  GENERAL CHEMISTRY I  4
STAT 2050  FUNDAMENTALS OF STATISTICS  4
LAB SCIENCE  4
HMDV 2411  ASSESSMENT REQUIREMENT  3
Subtotal: 18

Sophomore Year - Spring Semester Notes:
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003), Introductory Chemistry (CHEM 1000), Concepts of Physics (PHYS 1050), or Physical Geology (GEOL 1100).

Sophomore Year - Fall Semester
ITEC 2360  TEACHING WITH TECHNOLOGY  3
EDFD 2100  EDUCATIONAL PSYCHOLOGY  4
HIST 1211  U.S. FROM 1865  3
HIST 1320  WORLD HISTORY TO 1750  3
Subtotal: 17

Sophomore Year - Spring Semester Notes:
- Approved Communication Course can be fulfilled by First Year Spanish I (SPAN 1010) or First Year French I (FREN 1010). Students who are transferring out of state should replace SPAN 1010 (or FREN 1010) with HIST 1290.

Sophomore Year - Fall Semester
EDEX 2484  INTRODUCTION TO SPECIAL EDUCATION  3
POLS 1000  AMERICAN & WYOMING GOVERNMENT  3
HIST 1330  WORLD HISTORY SINCE 1750  3
Subtotal: 17
**Secondary Education, Spanish, Associate of Arts**

Teachers change lives – they can open new worlds for students and inspire them to reach their goals. The secondary education degree with an emphasis in Spanish language prepares students to teach in both public and private middle, junior high, and high schools. Students will be able to teach all levels of Spanish language classes. Western’s teaching preparation focuses on current and innovative teaching theories including implementation of a service learning project, technology inclusion, and project based learning. The education program also provides the introduction to many important skills and elements of the teaching profession. The development and understanding of which are essential for future success such as: classroom management, special education, lesson design, and educational psychology. The students experience hands-on what it means to be a secondary Spanish teacher because the program provides them the opportunity to participate in public school classroom activities as a practicum student. These experiences have a four-pronged focus: they introduce theories and pedagogical skills that are learned during classes are applied and reinforced by the teachers, they give students real world teaching practices, they help students decide about their future teaching careers, and they lay the academic foundation needed before entering a bachelor’s degree program. Students wanting to enter the teaching field must replace SPAN 1020 with HIST 2290 or HIST 2310.

**Degree Requirements**

**Freshman Year - Fall Semester**

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**Freshman Year - Spring Semester**

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<tr>
<td>EDCI 2440</td>
<td>INTRODUCTION TO CLASSROOM</td>
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<tr>
<td>SPAN 1010</td>
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**Sophomore Year - Fall Semester**

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**Sophomore Year - Spring Semester**

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<td>SPAN 2040</td>
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<td>ANTH 2000</td>
<td>INTRODUCTION TO LINGUISTICS</td>
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<td>HMDV 2411</td>
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<td>SUBTOTAL: 17</td>
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**Social Media Certificate**

Students earning the Social Media Certificate will learn to create, deploy and manage digital content for the social media and digital world giving graduates an edge in today’s fast-paced social media sphere.

Upon completion, the student will be well-versed in the current industrial standard digital design and social media technology and applications. The skills learned will be of value for any discipline including business, communication, art, education, science and more.

**Degree Requirements**

**First Semester (Spring Start)**

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<td>CMAP 1860</td>
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<td>MKT 2100</td>
<td>MARKETING</td>
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**Second Semester (Fall)**

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<td>BOTK 1555</td>
<td>BUSINESS COMMUNICATION</td>
<td>3</td>
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<tr>
<td>BOTK 2970</td>
<td>BIS INTERNSHIP</td>
<td>3 -</td>
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<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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Freshman Year - Fall Semester
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
COMM 2010       PUBLIC SPEAKING 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 16

Freshman Year - Spring Semester
ENGL 1020       ENGLISH COMPOSITION II 3
HIST 1221       U.S. FROM 1865 3
PSYC 1000       GENERAL PSYCHOLOGY 4
STAT 2070       STATISTICS FOR SOCIAL SCIENCE 4

Subtotal: 18

Sophomore Year - Fall Semester
ANTH 1200       INTRODUCTION TO CULTURAL ANTHROPOLOGY 3
ECON 1010       NATIVE AMERICAN LITERATURE 3
ENGL 2340       SOCIAL SCIENCE FIRST AREA EMPHASIS 3-4
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
SOC 1100        SOCIAL PROBLEMS AND ISSUES 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 15-16

Sophomore Year - Spring Semester
ANTH 1300       INTRODUCTION TO ARCHAEOLOGY 3
HIST 1330       WORLD HISTORY SINCE 1750 3
HMDV 2411       ASSESSMENT REQUIREMENT SOCIAL SCIENCE FIRST AREA EMPHASIS 3-4
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
SOC 1100        SOCIAL PROBLEMS AND ISSUES 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 64-66

Total Credit Hours: 64-65

Social Work, Associate of Arts
Social Work is a varied discipline that seeks to attain satisfying relationships and offer a broad range of services and resources at the individual, local, state, and federal level. The Associate's degree in Sociology with a Social Work emphasis is intended for students who are interested in helping populations of varying ages, backgrounds, and needs. The concepts and skills students learn will prepare them to directly transfer into a Social Work program, understand the roles of a social worker and various service delivery systems, identify careers of interest in Social Work, hear from individuals working in a multitude of sectors within Social Work, and connect principles in Social Work to their application in the real world. Students can expect employment in a wide range of interest areas, including as a case manager for various service programs, an addiction practitioner for victims of substance abuse, a community developer, in residential homes for the disabled or elderly, in labor unions, a human relations specialist, an instructor/professor at a college or university, or as a health care provider. Students intending to work in Social Work will need at least a Bachelor’s degree with more opportunities available with a Master’s degree. There are careers in Social Work available in Sweetwater County, Wyoming and nationwide.

Degree Requirements
Freshman Year - Fall Semester
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
SOC 1100        SOCIAL PROBLEMS AND ISSUES 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 16

Freshman Year - Spring Semester
SOWK 2000       INTRODUCTION TO SOCIAL WORK 3
COMM 2010       PUBLIC SPEAKING 3

Subtotal: 15-16

Sophomore Year - Fall Semester Notes:
- Approved Science Course can be fulfilled by General Biology (BIOL 1010) or Physical Geology (GEOL 1100).

Sophomore Year - Spring Semester Notes:
- See advisor to determine appropriate areas of emphasis in Social Science. Possibilities include Anthropology, History, Sociology, Political Science, and Psychology. Upon determining an area of emphasis, enroll in an appropriate emphasis related offering, ie. ANTH, HIST, SOC, POLS, or PSYC courses.

Programs of Study

Social Science, Associate of Arts
Social Science is the scientific study of human society and social relationships, emphasizing the institutions and functions of societies, as well as the interpersonal relationships of individuals as members of society. Social Scientists use the scientific method to examine cultures throughout the world, the nature of political and economic organizations and social structures, and the biological, cognitive, and intrapersonal aspects of human behavior. Through courses in Anthropology, History, Political Science, Psychology, and Sociology, this program strives to give students the social science knowledge and skills that promote an interdisciplinary understanding of human society and the natural world. Students select four areas of emphasis, and plan a course of study to prepare for a variety of professional and career interests. Ideally, students will create a cohesive program with a thematic connection in collaboration with their faculty advisor. A Social Science degree opens up opportunities in several occupations in the fields of anthropology, history, political science, psychology, sociology, social work, library science, etc. Possible careers include: anthropologist, social studies teacher, research analyst, lawyer, social scientist, social worker, government civil servant, legislative aide, management consultant, counselor, editor, and more. Keep in mind additional education (i.e. a bachelor’s or master’s degree) may be a prerequisite for careers in the social science field.

Degree Requirements
Freshman Year - Fall Semester
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
COMM 2010       PUBLIC SPEAKING 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 16

Freshman Year - Spring Semester
ENGL 1020       ENGLISH COMPOSITION II 3
HIST 1221       U.S. FROM 1865 3
PSYC 1000       GENERAL PSYCHOLOGY 4
STAT 2070       STATISTICS FOR SOCIAL SCIENCE 4

Subtotal: 18

Sophomore Year - Fall Semester
ANTH 1200       INTRODUCTION TO CULTURAL ANTHROPOLOGY 3
ECON 1010       MACROECONOMICS 3
ENGL 2340       SOCIAL SCIENCE FIRST AREA EMPHASIS 3-4
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
SOC 1100        SOCIAL PROBLEMS AND ISSUES 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 15-16

Sophomore Year - Spring Semester
ANTH 1300       INTRODUCTION TO ARCHAEOLOGY 3
HIST 1330       WORLD HISTORY SINCE 1750 3
HMDV 2411       ASSESSMENT REQUIREMENT SOCIAL SCIENCE FIRST AREA EMPHASIS 3-4
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
SOC 1100        SOCIAL PROBLEMS AND ISSUES 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 64-66

Total Credit Hours: 64-65

Social Work, Associate of Arts
Social Work is a varied discipline that seeks to attain satisfying relationships and offer a broad range of services and resources at the individual, local, state, and federal level. The Associate’s degree in Sociology with a Social Work emphasis is intended for students who are interested in helping populations of varying ages, backgrounds, and needs. The concepts and skills students learn will prepare them to directly transfer into a Social Work program, understand the roles of a social worker and various service delivery systems, identify careers of interest in Social Work, hear from individuals working in a multitude of sectors within Social Work, and connect principles in Social Work to their application in the real world. Students can expect employment in a wide range of interest areas, including as a case manager for various service programs, an addiction practitioner for victims of substance abuse, a community developer, in residential homes for the disabled or elderly, in labor unions, a human relations specialist, an instructor/professor at a college or university, or as a health care provider. Students intending to work in Social Work will need at least a Bachelor’s degree with more opportunities available with a Master’s degree. There are careers in Social Work available in Sweetwater County, Wyoming and nationwide.

Degree Requirements
Freshman Year - Fall Semester
SOC 1000        SOCIOLOGICAL PRINCIPLES 3
SOC 1100        SOCIAL PROBLEMS AND ISSUES 3
ENGL 1010       ENGLISH COMPOSITION I 3
POLS 1000       AMERICAN & WYOMING GOVERNMENT 3
MATH 1400       COLLEGE ALGEBRA 3
HMDV 1005       1ST YEAR SUCCESS 1

Subtotal: 16

Freshman Year - Spring Semester
SOWK 2000       INTRODUCTION TO SOCIAL WORK 3
COMM 2010       PUBLIC SPEAKING 3

Subtotal: 15-16

Sophomore Year - Fall Semester Notes:
- See advisor to determine appropriate areas of emphasis in Social Science. Possibilities include Anthropology, History, Sociology, Political Science, and Psychology. Upon determining an area of emphasis, enroll in an appropriate emphasis related offering, ie. ANTH, HIST, SOC, POLS, or PSYC courses.

Sophomore Year - Spring Semester Notes:
- See advisor to determine appropriate areas of emphasis in Social Science. Possibilities include Anthropology, History, Sociology, Political Science, and Psychology. Upon determining an area of emphasis, enroll in an appropriate emphasis related offering, ie. ANTH, HIST, SOC, POLS, or PSYC courses.
Sociology graduates available in Sweetwater County, Wyoming and nationwide.

**Degree Requirements**

**Freshman Year - Fall Semester**

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**Total Credit Hours:** 16

**Sophomore Year - Fall Semester Notes:**
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).
- MATH 1400 can be replaced with MATH 1000, depending on transfer course credits.

**Freshman Year - Spring Semester**

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<td>BIOL 1003</td>
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**Total Credit Hours:** 17

**Sophomore Year - Fall Semester**

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**Total Credit Hours:** 15-16

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOC 2350</td>
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<tr>
<td>SOC 2470</td>
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<tr>
<td>STAT 2070</td>
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<td>COMM 1030</td>
<td>3</td>
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<td>HMDV 2411</td>
<td>3</td>
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</table>

**Total Credit Hours:** 16-20

**Sophomore Year - Spring Semester Notes:**
- Major Area Course can be fulfilled by Domestic Violence/Sexual Assault (PSYC 1300), Drugs and Behavior (PSYC 2210), Conflict Management (COMM 1050), or Community Relations (CRMJ 1550). See advisor to choose appropriate course.

**Total Credit Hours:** 64-69

**Freshman Year - Spring Semester Notes:**
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or General Biology (BIOL 1010).
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or General Biology (BIOL 1010).
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or General Biology (BIOL 1010).
- Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or General Biology (BIOL 1010).

**Sophomore Year - Fall Semester Notes:**
- Major Area Course can be fulfilled by Domestic Violence/Sexual Assault (PSYC 1300), Drugs and Behavior (PSYC 2210), Conflict Management (COMM 1050), or Community Relations (CRMJ 1550). See advisor to choose appropriate course.

**Total Credit Hours:** 64-69

**Program is not eligible for Federal Funding.**

**Sociology, Associate of Arts**

The discipline of Sociology is an exciting field of study that offers the opportunity to learn about the human experience and its connection to individuals and an increasingly globalized world. The Associate degree in Sociology with a Sociology emphasis is intended for students with a wide variety of interests, including inequality, race, gender, immigration, culture, education, poverty, crime, law, business, journalism, and politics. It is also designed for transfer to other university programs around the country. The concepts and skills students learn encourage critical thinking and emphasize the link between sociological principles and their application in students’ lives, future careers, and the real world more generally. Students will learn how social problems are constructed, recognize the interrelation of individual behavior and societal trends, and evaluate and make arguments concerning issues in and beyond the United States. A student who obtains an Associate’s degree in Sociology may find employment in both the non-profit and for-profit sectors in a wide variety of capacities. For example, graduates may work as a caseworker for children and victims of abuse or neglect, an academic mentor (such as through AmeriCorps), a paralegal or lawyer, in immigration services, an instructor/professor at a college or university, a news reporter, a researcher, as a public or human relations specialist, a librarian, or in marketing development. Students intending to work in Sociology will need at least an Associate’s degree. There are careers for
Spanish, Associate of Arts

Spanish is the second most spoken language in the world. Approximately forty million people in the United States speak Spanish, and this is expected to grow rapidly over the next few decades. In this environment, it is increasingly useful to have some knowledge of Spanish as it will be advantageous for professional occupations. The Spanish program at Western gives students a solid foundation in the fundamentals of spoken and written Spanish. As the emphasis of the program is on communication in the target language, students learn to read, write, speak, and understand spoken Spanish on a variety of everyday topics such as food, family, classes, and common daily activities. The students are also introduced to the various and diverse cultures of the Spanish-speaking world. Students successfully completing the Spanish degree will be able to better communicate with millions of people in the U.S. and around the world. They will also gain an appreciation of the cultures, values, and ways of life of Hispanic people. The A.A. in Spanish prepares students to immediately begin advanced study in Spanish language, literature, and/or linguistics at the university level, or to study abroad in a Spanish-speaking country. In addition to many careers in teaching and translation, most companies and government agencies are looking for employees with Spanish language skills. Graduates of our program will therefore have an advantage in virtually any field of employment, and transfer students will be close to finishing a major or minor in Spanish at the university.

Degree Requirements

Freshman Year - Fall Semester
- ENGL 1010 ENGLISH COMPOSITION I 3
- SPAN 1010 FIRST YEAR SPANISH I 4
- COMM 2010 PUBLIC SPEAKING 3
Subtotal: 13

Fall Semester Notes:
- Approved Math Course can be fulfilled by Problem Solving (MATH 1000) or College Algebra (MATH 1400).

Freshman Year - Spring Semester
- SPAN 1020 FIRST YEAR SPANISH II 4
- ENGL 1020 ENGLISH COMPOSITION II 3
- BIOL 1003 CURRENT ISSUES IN BIOLOGY 4
- PSYC 1000 GENERAL PSYCHOLOGY 4
- APPLIED HUMANITIES COURSE 3
Subtotal: 18

Spring Semester Notes:
- Approved Humanities Course can be fulfilled by Latin American Studies (POLS 2250) or Film Appreciation (ENGL 2470).

Sophomore Year - Fall Semester
- SPAN 2030 SECOND YEAR SPANISH I 4
- POLS 1000 AMERICAN & WYOMING GOVERNMENT 3
- APPROVED COMMUNICATION COURSE 3
- APPROVED HUMANITIES COURSE 3
- APPROVED DIRECTLY RELATED ELECTIVES 3
Subtotal: 16

Sophomore Year - Fall Semester Notes:
- Approved Communication Course can be fulfilled by Interpersonal Communication (COMM 1030) or Nonverbal Communication (COMM 2110).
- Approved Humanities Course can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Art History I (ART 2010), or World History to 1750 (HIST 1320).
- Approved Directly Related Elective can be fulfilled by Introduction to Business (BADM 1000), Introduction to Criminal Justice (CRMJ 2120), or Introduction to Social Work (SOWK 2000).

Sophomore Year - Spring Semester
- SPAN 2040 SECOND YEAR SPANISH II 4
- APPROVED ENGLISH COURSE 3
- APPROVED HUMANITIES COURSE 3
- APPROVED SOCIAL SCIENCE COURSE 3
- MAJOR AREA COURSES 3
HMDV 2411 ASSESSMENT REQUIREMENT
Subtotal: 16

Sophomore Year - Spring Semester Notes:
- Approved English Course can be fulfilled by Writing Studies (ENGL 1901) or Native American Literature (ENGL 2340).
- Approved Humanities Course can be fulfilled World History since 1750 (HIST 1330) or Art History II (ART 2020).
- Approved Social Science Non-Western Political Cultures (POLS 1200) or Social Psychology (PSYC 2380).

Subtotal: 63
Total Credit Hours: 64 required

Please note that a total of 64 credits are required to graduate with an Associate of Arts degree.

Supervision & Leadership Certificate

The Supervision and Leadership Certificate offers core courses related to Supervision and Leadership. The certificate has been designed to develop skills and technical knowledge regarding supervisory management and leadership to prepare students interested in entering supervision and leadership positions in their current or future industry. The curriculum was developed in partnership with general business representatives from most types of local industries’ therefore, it provides training that meets general industry expectations. Students will gain an understanding and skills in planning, communication, information systems, organizing, leading and controlling personnel in a lawful and humanistic way to effectively achieve the organizational goals. Upon completion of this certificate, students may qualify to become an entry-level supervisor or above within their fields and should expect a wage increase as they move into these positions.

The Certificate in Supervision and Leadership is designed to fill the needs of industry by providing students with the knowledge and skills required for career advancement in the workplace as well as providing students with the skills they need to enter a new career as a supervisor or manager. Students who complete this certificate will earn 21 credit hours that can be transferred to a number of A.A.S. or A.A. degrees.

Degree Requirements

First Semester
- CMAP 1200 COMPUTER INFORMATION SYSTEMS 3
- ENGL 1010 ENGLISH COMPOSITION I 3
Subtotal: 6

Second Semester
- MGT 1000 INTRODUCTION TO SUPERVISION 3
- COMM 1030 INTERPERSONAL COMMUNICATION 3
Subtotal: 6
### Technical Theatre, Associate of Arts

Technical Theatre is a comprehensive study of the craft and art of the visual and technological components of theatre, i.e. sets, lights, costumes, and sounds. A foundation of learning in the craft and technology is offered prior to training in the artistic design, and generally comprises the first two years of a four-year program. Students in the A.A. in Technical Theatre program have ample hands-on learning opportunities in courses and in preparing the technical elements of performing arts events (theatre, dance and music) both at the college and for outside groups who utilize the college theatre facilities. Technical theatre provides the foundation for careers in live theatre, dance, music, film, television, video or online, as well as teaching and research fields. It is possible for a student who obtains an A.A. in Technical Theatre to earn between $10 - $15 per hour as a technician with theatre companies across the country, however it is advisable to pursue studies leading to the bachelor's degree. The cross-training offered in the program facilitates a well-rounded preparation for future careers as well as for successful transfer to four-year universities. While an additional two years of study leading to a B. A. or B. F. A. in technical theatre is usually sufficient for those interested in entering the workforce or joining the various unions, two to three years of graduate study leading to a Master's degree (for educators) or an M. F. A. (for higher education or professional design careers) is the norm.

### Degree Requirements

#### Freshman Year - Fall Semester

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<tr>
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<th>Credits</th>
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<td>THEA 2252</td>
<td>STAGECRAFT</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2471</td>
<td>DRAFTING FOR DESIGN</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1000</td>
<td>THEATRE &amp; DANCE PRACTICUM I</td>
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<td>ENGL 1010</td>
<td>PROBLEM SOLVING</td>
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**Subtotal:** 17

#### Freshman Year - Fall Semester Notes:

- Approved Electives can be fulfilled with the following courses: Spreadsheet Applications: (CMAP 1750), Technical Writing (ENGL 2005), Intro to Natural Resources (G&R 1050), or Problem Solving (MATH 1000).

### Sophomore Year - Fall Semester

<table>
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<td>THEA 1115</td>
<td>PLAY SCRIPT ANALYSIS</td>
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</table>

**Subtotal:** 17

#### Sophomore Year - Fall Semester Notes:

- Approved Theater Course can be fulfilled by Beginning Lighting Design (THEA 2270) or Scenic Painting for the Theatre (THEA 2810).
- Approved Science Course can be fulfilled by Physical Geology (GEOG 1100), Current Issues in Biology (BIOL 1003), or Introductory Chemistry (CHEM 1000).
- Humanities Elective can be fulfilled by First Year Spanish I (SPAN 1010), Introduction to the Music of World (MUSC 2015), Intro to Theatre (THEA 1000), or Art History (ART 2010).

#### Sophomore Year - Spring Semester

<table>
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<td>HMDV 2411 ASSESSMENT REQUIREMENT</td>
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</table>

**Subtotal:** 15

#### Sophomore Year - Spring Semester Notes:

- First Approved Theater Course can be fulfilled by Computer Aided Design I (THEA 2250) or Period Styles (THEA 2815). THEA 2250 is available in the even years.
- Second Approved Theater Course can be fulfilled by Stage Make-Up (THEA 2160), Sound Design (THEA 2615), or Costume Construction (THEA 2145).
- Third Approved Theater Course can be fulfilled by Stage Management (THEA 2150) or Introduction to Stage Design (THEA 1200).
- Career Course can be fulfilled by Education Experience Prospective (EDCI 1000), Class Piano I (MUSC 1290), Beginning Skin and Scuba (PEAC 1015), or Beginning Yoga (PEAC 1294).
• Social Science Elective can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Nutrition (HLED 1140), Wellness (HLED 1003), or Sociological Principles (SOC 1000).

Subtotal: 64
Total Credit Hours: 64

Theatre, Associate of Arts

Theatre offers students the opportunity to study the individual art form of theatre, as well as its relationship to the other performing arts of dance, music, and technical theatre. Theatre provides the foundation for performing careers in live theatre, film, television, video or online, as well as teaching and research fields, arts therapy paths within the healthcare profession, entertainment law within the legal profession, and performing arts management within both the for-profit and non-profit business profession. The program utilizes an intensely collaborative, hands-on, studio approach, with ample opportunities for performances in spaces large and small, traditional as well as non-traditional, and working with student theatre technicians, musicians and dancers beyond theatre. It is possible for a student who obtains an A.A. in Theatre to earn between $10 - $15 per hour as a performer with theatre companies across the country, however it is advisable to pursue studies leading to the bachelor's degree. The A.A. in Theatre degree transfers successfully to four-year college and university programs. While an additional two years of study leading to a B. A. or B. F. A. in Theatre may be sufficient for those interested in performing, generally two to five years of graduate study leading to a Master's degree (for educators), an M. F. A. or Ph. D. (for higher education careers) may be required.

Degree Requirements

Freshman Year - Fall Semester
THEA 1100 ACTING 3
THEA 2220 STAGECRAFT 3
THEA 2495 WORKSHOPS IN THEATRE .5
THEA 2471 THEATRE & DANCE PRACTICUM I 1
   DANCE CHOICE 2
MATH 1000 PROBLEM SOLVING 3
ENGL 1010 ENGLISH COMPOSITION I 3
HMDV 1005 1st YEAR SUCCESS 1

Subtotal: 16.5

Freshman Year - Fall Semester Notes:
• Dance Choice can be fulfilled by Ballet I (DANC 1410), Tap Dance I (DANC 1450), Ballet II/II (DANC 2410), Tap Dance II (DANC 2450), or Jazz Dance II (DANC 2480).

Freshman Year - Spring Semester
THEA 1700 VOICE FOR THE ACTOR 2
THEA 2150 STAGE MANAGEMENT 3
THEA 2471 THEATRE & DANCE PRACTICUM I 1
   DANCE CHOICE 2
ENGL 1020 ENGLISH COMPOSITION II 3
HLED 1140 NUTRITION 3
   SOCIAL SCIENCE 3

Subtotal: 17

Freshman Year - Spring Semester Notes:
• Dance Choice can be fulfilled by Ballet I (DANC 1420), Jazz Dance I (DANC 1480), Contemporary Jazz Dance (DANC 1490), Ballet II/II (DANC 2420), Tap Repertory and Improvisation (DANC 2455).
• Social Science can be fulfilled by Introduction to Cultural Anthropology (ANTH 1200), Wellness (HLED 1003), or Sociological Principles (SOC 1000).

Sophomore Year - Fall Semester
THEA 2100 ACTING II 3
THEA 2495 WORKSHOPS IN THEATRE .5
THEA 2471 THEATRE & DANCE PRACTICUM I 1
   DANCE CHOICE 2
THEA 1115 PLAY SCRIPT ANALYSIS 3
   APPROVED THEATER COURSE 3
ENGL 2230 INTRODUCTION TO SHAKESPEARE 3

Subtotal: 15.5

Sophomore Year - Fall Semester Notes:
• Dance Choice can be fulfilled by Ballet II (DANC 1410), Tap Dance I (DANC 1450), Ballet II/II (DANC 2410), Tap Dance II (DANC 2450), Jazz Dance II (DANC 2480).
• Approved Theater Course can be fulfilled by Beginning Lighting Design (THEA 2270) or Scenic Painting for the Theatre (THEA 2810).

Sophomore Year - Spring Semester
THEA 2160 STAGE MAKE-UP 2
THEA 1200 INTRODUCTION TO STAGE DESIGN 3
THEA 2471 THEATRE & DANCE PRACTICUM I 1
   APPROVED SCIENCE COURSE 4
   US & WYOMING CONSTITUTION 3
   APPLIED MUSIC 2
HMDV 2411 ASSESSMENT REQUIREMENT

Subtotal: 15

Sophomore Year - Spring Semester Notes:
• Approved Science Course can be fulfilled by Current Issues in Biology (BIOL 1003) or Physical Geology (GEOL 1100).
• US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLI 1000).
• Applied Music can be fulfilled with Applied Music Guitar (MUSC 2071), Applied Music Piano (MUSC 2073), Applied Music Voice (MUSC 2074), or Applied Music Strings (MUSC 2075).

Subtotal: 64
Total Credit Hours: 64

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.
Degree Requirements

Required Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<td>CMAP 2600</td>
<td>COMPUTER GRAPHICS: PHOTOSHOP</td>
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<td>COSC 1350</td>
<td>WEB DEVELOPMENT I</td>
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<td>WEB DEVELOPMENT II</td>
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<tr>
<td>COSC 2360</td>
<td>WEB PAGE DYNAMICS &amp; SCRIPTING</td>
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Subtotal: 15

Total Credit Hours: 15

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

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

Welding Technology, Fabrication Shop, Associate of Applied Science

Degree Requirements

Freshman Year - Fall Semester

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>CMAP 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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Subtotal: 17

Freshman Year - Spring Semester

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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>PIPE WELD I:SCHEDULE 40</td>
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<td>ENGL 1010</td>
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Subtotal: 18

Sophomore Year - Fall Semester

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<td>PIPE LAYOUT AND FABRICATION</td>
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<td>ENGL 2005</td>
<td>TECHNICAL WRITING</td>
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<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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Subtotal: 14

Sophomore Year - Spring Semester

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Subtotal: 16

Total Credit Hours: 65

Welding Technology - Fabrication Shop Option Certificate

Degree Requirements

Fabrication Shop Option

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<td>GAS METAL ARC WELDING</td>
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Subtotal: 34

Total Credit Hours: 34

Welding Technology, Industrial Plant, Associate of Applied Science

Degree Requirements

Freshman Year - Fall Semester

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Subtotal: 17

Freshman Year - Spring Semester

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Subtotal: 15

Sophomore Year - Fall Semester

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Subtotal: 17
Sophomore Year - Spring Semester Notes:
- US & Wyoming Constitution can be fulfilled by U.S. to 1865 (HIST 1211), U.S. From 1865 (HIST 1221), Wyoming History (HIST 1251), or American & Wyoming Government (POLS 1000).

Subtotal: 64
Total Credit Hours: 64

Welding Technology - Industrial Plant Option Certificate

Degree Requirements

Requirements List

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Subtotal: 35
Total Credit Hours: 35

Welding Technology, Mine Maintenance, Associate of Applied Science

Degree Requirements

Freshman Year - Fall Semester

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Subtotal: 19

Freshman Year - Spring Semester

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Subtotal: 14

Subtotal: 65
Total Credit Hours: 65

Welding Technology - Mine Maintenance Option Certificate

Degree Requirements

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Subtotal: 34
Total Credit Hours: 34

Subtotal: 65
Total Credit Hours: 65
Course Numbering System and Prefixes

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.

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 2005) or for non-transferable courses (in which the number is a 0 as in BAS 0510).

Course Prefixes:

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

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

Health Science
- EMT Emergency Medical Technology
- HLTK Allied Health Technology
- HLED Health Education
- NURS Nursing
- OEAC Outdoor Education Activity
- PEAC Physical Activity
- PEAT Varsity Athletics
- PEPR Physical Education, Professional
- PHLB Phlebotomy

Humanities
- ASL American Sign Language

Science & Mathematics
- BIOL Biology
- CHEM Chemistry
- ENTO Entomology
- ES Engineering (Gen.) & Tech.
- GEOG Geography
- GEOL Geology
- MATH Mathematics
- PHYS Physics
- REWM Rangeland Ecol & Watershd Mgt
- RNEW Renewable Resources
- STAT Statistics

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

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
DANC  Dance
MUSC  Music
THEA  Theatre

**Instructional Methods and Course Types**

**INSTRUCTIONAL METHODS & COURSE TYPES**

The courses at Western use a variety of instructional methods that are listed below. More than one method may be used in a course. The individual course syllabi will indicate the type of instructional methods the course predominantly uses.

**Discussion/Dialogue Based Learning**

**LECTURE:** A course in which the primary method of instruction is verbal and where a lecture/discussion/group interaction format is utilized. (Minimum 750 minutes per credit hour.)

**SEMINAR:** A seminar is a small group of students studying under an instructor using a variety of instructional and learning methods ranging from lecture to discussion of student research. Students may also attend a seminar given by an expert in the field followed by discussion and interaction.

(Minimum 750 minutes per credit hour.)

**PROBLEM BASED LEARNING:** A course in which the primary method of learning is interactive group work using realistic case studies. Faculty members serve as facilitators of learning. Through Problem Based Learning, students develop skills to become lifelong learners, learn to work in a group, and develop the ability to self-evaluate.

**“Hands On” or “Learn by Doing” Learning**

**LABORATORY or STUDIO:** A course in which the primary method of instruction is application oriented “learning by doing.” The discussion/group interaction format may also be utilized. (Minimum 1500 minutes per credit hour.)

**OPEN ENTRY:** A course in which the primary method of instruction is application-oriented (flex) “learning by doing” or self-paced, mastery-learning (open entry/open exit) courses where students work with instructor supervision in the accomplishment of instructor-established objectives and sequenced learning activities. Competency based

**SHORT COURSE:** Traditional courses at WWCC last 16 weeks. Accelerated, or short courses, can be completed in as little as 1 week. The difference between a traditional course and an accelerated course is the number of hours students spend in class each week. For example, a one credit hour course offered in a traditional format will meet for one hour each week. If the same course is offered as a week course, the class will meet for 15 hours that week. Accelerated courses may be completed by students in a timelier manner. However, the weekly expectations for classwork and homework are significantly greater. Students need to consider the time required when deciding which type of class best suits their needs.

“**Hands On**” Out-of-the-Classroom Learning

**INTERNSHIP:** This method of instruction results in the placement of the student in a major-specific paid or unpaid work position. The supervising instructor must submit a complete course outline to the Registrar that covers all of the guidelines established in the WWCC catalog for this type of course. A position must be available and agreed upon between the student and the instructor of record before the student registers for the course. (Minimum 3750 minutes per credit hour.)

**CLINICAL or PRACTICUM:** A course in which supervised students apply previously studied theory in the field. (Minimum 2250 minutes per credit hour.)

**FIELD SCHOOL or FIELD STUDY:** A field school/study is a classroom without walls where lectures are ongoing and the material learned is applied directly to the appropriate environment. (Minimum 1500 minutes per credit hour.)

**Distance Learning Delivery Methods**

**INTERNET:** An Internet course is a course that provides instruction through a computer interface. Instruction, discussion, assessment and feedback is conducted electronically. Class assessment is based on attainment of course outcomes The course may be open-entry/open-exit or may follow a prescribed semester schedule for assignments, papers, and exams.

**COMPRESSED VIDEO:** These courses are live courses delivered via compressed video. Students sit in a class with a television and camera. The student can see, speak, and interact with the instructor and other students at other compressed video sites. Classes meet on a regular schedule and are conducted similar to a traditional classroom setting. Most compressed video courses have required online components. Note: Students in compressed video classes may be videotaped.

**PARTIAL INTERNET:** A partial internet course is any course that combines regularly scheduled face-to-face class time with online instruction using a course management system, such that the total seat time (face-to-face class time) is reduced and online discussion, assignments, and/or exams are part of the course.

**Special or One-on-One Learning**

**TOPICS:** These courses are special topics courses. This category should be used for testing a class to determine if the demand is there and whether the format is appropriate before making it a permanent course offering within a WWCC program. They may be a lecture, laboratory, or a combination lecture/lab.

**WORKSHOP:** A brief, intensive educational program for a group of people that focuses on techniques and skills in a particular field. Workshop is a lab-type course. Only 6 hours of Workshop credit may be count toward graduation. The Workshop category should be used for areas where the topics vary and the course is not offered on a regular basis. A completed course syllabus, will be
approved by the division chair and submitted to the Registrar before the class may be taught. (Minimum 1500 minutes per credit hour.)

**DIRECTED STUDY:** This individualized method of instruction involves the student working on his/her own to carry out objectives established by the instructor in an area where there is a specific need and no WWCC course offered to address the student’s requirements. Before a directed study can be started, the instructor must develop a complete course syllabus, have it approved by the division chair, and submit it to the Registrar. Students pay a per credit fee in addition to tuition. Competency based.

**APPLIED MUSIC LESSON:** One private half-hour or hour lesson per week in a specified music area with a required minimum preparation time. Each lesson is one-on-one instruction with a faculty member and includes working with an accompanist. (Minimum 375 minutes per credit hour.)

**ACCT - ACCOUNTING**

**ACCT 2010 - PRINCIPLES OF ACCOUNTING ME (4)**

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.

**ACCT 2020 - PRINCIPLES OF ACCOUNTING II (4)**

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 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.

**AFVT - ALT FUEL VEHICLE TECHNOLOGY**

**AFVT 1500 - INTRO TO ALTERNATIVE 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 1770.

**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 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: AUTO 1770.

**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: AUTO 1770.

**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: AUTO 1770.

**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 BIOLOGICAL ANTHROPOLOGY (4)**

Biological Anthropology is the scientific study of humans as biological organisms: our biological diversity, our evolutionary relationships to other organisms, and our origins, including the study of living primates, adaptation, and the fossils of human ancestors and related species. This course will cover the basic concepts relating to the origin, evolution and biological nature of the human species; population genetics and human variation, diversity of modern human populations; epidemiology, the fossil record of human evolution, and forensic anthropology.

Corequisite: ANTH 1101.

**ANTH 1200 - INTRODUCTION TO CULTURAL ANTHROPOLOGY (3)**

Introduction to foreign, especially non-Western cultures through anthropological concepts, films, and ethnographies.

**ANTH 1300 - INTRODUCTION TO ARCHAEOLOGY (3)**

Explores ways in which prehistoric material remains can provide an understanding of the cultural way of life. General background in archeological method and theory is used to examine case studies from throughout the world, based on themes such as ceramic technology and artistry development, growth of early civilizations and North American pre-history.

**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 2000 - INTRODUCTION TO LINGUISTICS ANTHROPOLOGY (3)**

Demonstrates the interrelationship of language, human biology, and culture at the introductory level. Linguistic anthropological methods and theories are used to examine linguistic behaviors throughout the world.

Prerequisite: ANTH 1100, ANTH 1200 or ANTH 1300.

**ANTH 2200 - WORLD CULTURE (3)**

Provides an understanding of cultural behavior of people in various geographical areas of the world. Students read ethnographies, cultural descriptions of societies, written by anthropologists.

**ANTH 2210 - NORTH AMERICAN INDIANS (3)**

Comparative consideration of North American Indian culture areas of European contact period.

**ANTH 2310 - ARCHAEOLOGY FIELD METHODS: (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 2410 - ANTHROPOLOGICAL RESEARCH METHODS**

This course introduces students to concepts and methods used in anthropological research. Students will read and interpret research completed by anthropologists, draft a research proposal, employ proper research techniques, and present original research in a venue outside the classroom.

Prerequisite: 6 hours of Anthropology courses or 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 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 1115 - INTRODUCTION TO DIGITAL MEDIA (1)**

This is a basic introduction to tools that explore digital media with their role in art making process. Students will gain experience into the use of several common software programs, using the internet for research and communication, while also discussing topics related to graphic design, contemporary art, and digital culture and video.

**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.”

Prerequisite: ART 1110.

**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: Recommended but not required; 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 mediums, 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.
Prerequisite: ENGL 1010.

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.
Prerequisite: ENGL 1010.

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 conté, charcoal, litho, graphite and paint, using color restrictively, while learning the techniques of contour, gesture, background, 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 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.
Prerequisite: ART 2210.

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, 2410, 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.

ASL - AMERICAN SIGN LANGUAGE

ASL 1200 - AMERICAN SIGN LANGUAGE 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.

ASL 1220 - AMERICAN SIGN LANGUAGE II (4)
American Sign Language is a true language that is used within the deaf community. This course will 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: ASL-1200.

ASTR - ASTRONOMY

ASTR 1000 - DESCRIPTIVE ASTRONOMY (3)
This course will provide an introduction to the nature and contents of the universe; the course provides a foundation for the physical understanding of celestial objects, their origins and evolution. The course will describe how astronomers obtain information about distant objects and will trace the history of human knowledge about our celestial surroundings.

AUTO - AUTOMOTIVE TECHNOLOGY

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 (6)
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 (6)
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 type 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 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 EI), 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 2040 - E-COMMERCE (3)**

The goal of this course is to prepare for the rapid changes in electronic commerce; students will be exposed to multifaceted business issues such as: the role of independent third-parties, the regulatory environment, risk management, Internet security standards, cryptography and authentication, firewalls, e-commerce payment mechanisms, intelligent agents, and Web-based marketing.

**BADM 2195 - ENTREPRENEURSHIP (3)**

This course is designed for those students who have always wanted to start their own business, or for those that just want to explore the possibilities.

**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.

Required for students with McCann Reading Score 0-63 or ACT Reading 0-15

**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.

Required for students with McCann Write Score 20-36 or ACT English 0-15

Corequisite: BAS 0630 and ENGL 1008.

**BAS 0630 - GRAMMAR SKILLS (1)**

This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

Required for students with McCann Reading Score 20-36 or ACT English 0-15

Corequisite: BAS 0620 and ENGL 1008.

**BAS 0640 - SPELLING SKILLS (1)**

Students improve their spelling skills using a phonetics or rules approach.

**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.

**BIOL - BIOLOGY**

See additional science courses under ENTO, MOLB, REWM and RNEW

**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. Credit may not be received for both BIOL 1003 and BIOL 1010.

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 is 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 proper placement score. 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 an understanding of the structure and function of the human body. Covered topics include homeostasis, and the nervous, cardiovascular, respiratory, and urinary systems.

Prerequisite: BIOL 1010 (C or better). Corequisite: BIOL 2111.

**BIOL 2015 - HUMAN ANATOMY & PHYSIOLOGY II (4)**

This course provides an understanding of the structure and function of the human body. Covered topics include homeostasis, cells and tissues, blood, and the endocrine, lymphatic, immune, skeletal, muscular, digestive, and reproductive systems.

Prerequisite: BIOL 1010 (C or better). Corequisite: BIOL 2116.

**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 (C or better). 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 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 than 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: BIOL 1010 (C or better). Corequisite: BIOL 2410. Offered: Even Spring Semesters.

**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 (C or better). Corequisite: BIOL 2400. Offered: Even Spring Semesters.
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 (C or better). Offered: Even Spring Semesters.

BOTK - BUSINESS OFFICE TECH

BOTK 1515 - INTRODUCTION TO SOCIAL MEDIA MANAGEMENT (2)
This course introduces students to social media management and how it is becoming part of the business landscape. Maintaining social media sites will be the focus of the course along with exploring different areas of social media and what sites are used by different types of businesses and industries. Students will plan a social media campaign as a final project.

BOTK 1520 - BUSINESS MATHEMATICS (3)
This course develops math skills applicable to business including percentages, interest, payroll, inventory, depreciation and taxes.

BOTK 1525 - SOCIAL MEDIA CAMPAIGN (1)
This course develops student's ability to plan, execute, and evaluate a social media campaign for a client, organization, or business. Original content will be created using common software applications and digital devices. Planning a week long social media campaign will include audience analysis, campaign objectives, developing a timeline, and learning about the metrics available to measure the impact of the campaign.

BOTK 1555 - BUSINESS COMMUNICATION (3)
This course consists of a complete reviews of grammar rules and their application to be efficient in composing as well as detecting and correcting errors in business documents and digital media. Students will apply grammar skills in the composition and formatting of business documents such as letters, memos, emails, online documents, and reports. Students will also develop effective business communication skills in the areas of listening and speaking.

BOTK 1640 - KEYBOARDING APPLICATIONS 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 2750 - RECORDS MANAGEMENT SYSTEMS (3)
The purpose of this course is to provide you with a basic knowledge of the principles of records management systems. Emphasis will be placed on the cycle within which information functions are developed in the office. The ethical principles by which intellectual property, privacy, and storage of electronic records, will be explored. The rules of 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. Billing and coding for the medical office records will also be explored.

BOTK 2810 - ACCOUNTING PROCEDURES I (3)
This is a basic course in accounting with a focus on the accounting cycle and financial statements. Students will learn to use double entry accounting procedures in a scenario of a service business as a sole proprietorship. Specific areas covered include: analyzing transactions, financial statements, using the general journal and general ledger, adjustments, worksheets, closing entries, special journals and payroll. (This course is designed for students seeking an A.A.S. degree or certificate in the Office Information Systems program or the Medical Office Assistant program.)

BOTK 2820 - ACCOUNTING PROCEDURES II (3)
This course is a continuation of BOTK 2810. Students will practice accounting procedures for sole proprietorships, partnerships and corporations. Topics may include: payroll procedures and taxes, accounts receivable/uncollectible, merchandising inventory, notes payable/receivable, and long term assets. Students will review the accounting cycle and practice interpreting financial statements. A practice set will be completed for a merchandising business.
Prerequisite: BOTK 2810.

BOTK 2900 - OFFICE SYSTEMS & PROCEDURES (3)
This course offers the BIS 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 CMA 1200 or Instructor Permission.

BOTK 2970 - BIS 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 (may be 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), or may be taken concurrently, 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 proper placement score. 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 (C or better) and MATH 1400.

CHEM 2230 - INTRODUCTORY ORGANIC CHEMISTRY (4)
Terminal course in organic and beginning biological chemistry. Topics covered include IUPAC and common nomenclature, bonding, structure, intermolecular forces, hydrocarbons and a range of functional groups (e.g. alcohols, ethers, thios, ketones, amines). The course also covers reaction mechanisms, chemical synthesis, stereochemistry, carbohydrates, lipids, amino acids, proteins, nucleic acids, natural products, heterocycles, and polymers.

Prerequisite: CHEM 1020, (C or better) or CHEM 1000, (B or better).

CHEM 2230 - ORGANIC CHEMISTRY I (4)
The chemistry of carbon compounds. This course emphasizes alkanes, alenes, alynes and aromatic compounds. The nomenclature, structure and reactivity of these and various functional groups is discussed.

Prerequisite: CHEM 1020 and CHEM 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

CMAP 1200 - COMPUTER INFORMATION SYSTEMS (3)
In this introductory computer course, students will learn the functions of the computer and common software packages widely used in today’s world. Students will participate in discussions and will complete activities using word processing, spreadsheet, database, and presentation software. Topics such as the following will be included: hardware, software, operating systems, communications, networks, information systems, database management, buying computers, and workplace issues. (Keyboarding skills strongly recommended.)

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 1530 - EXCEL BASICS: (1)
This course offers the beginning student individualized instruction on Microsoft Excel. Tasks will be applicable to students from business and industry and those looking to boost their spreadsheet skills for higher learning or employment opportunities. Focus will be on creating spreadsheets that are easy to read and accurate. Students will learn to create formulas, functions, and charts.

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
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).

CMAP 2600 - COMPUTER GRAPHICS: PHOTOSHOP (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 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 TECHNOLOGIES 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 TECHNOLOGY I (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 TECHNOLOGY, FOR INDUSTRY (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.

CNSL - COUNSELING

CNSL 2050 - INTRODUCTORY COUNSELING (3)
Students will study the major theories of counseling such as psychoanalysis, person centered, gestalt, and behavioral therapy. Students will also study, through role-play, the skills needed to be a helper and the various techniques that may be utilized in both formal counseling and informal helping situations. They will also begin their study of ethics as applied to counseling situations.

Prerequisite: PSYC 1000.

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 TECHNOLOGY (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 Rawlins 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 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 intrapersonal, 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 in 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 2010 - PUBLIC SPEAKING (3)
This course provides an introduction to effective communications, with an emphasis on public speaking. Students are afforded an opportunity to understand the different purposes of written, oral, and digital messages and are taught to employ appropriate organizational strategies, including developing main claims, thesis statements and main ideas. Students learn the fundamental principles of developing and evaluating public oral, written, and digital messages and in-depth primary and secondary research is used to provide credible evidence to support main claims that take arguable but persuasive positions. The course also provides a forum for producing and practicing oral presentations in various speech settings. Credit cannot be received for both COMM 1010 and COMM 2010.

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. Students are afforded an opportunity to understand the different purposes and principles of developing and evaluating oral, written and digital messages. 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 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 (3)
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 (crotary) speeches to be used in college competition.

COMM 2085 - INTRODUCTION TO PARLIAMENTARY DEBATE (3)
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.

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 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 2135 - GENDER, COMMUNICATION & CULTURE (3)
The course explores the role of gender in communication processes. Students will examine the personal and social nature of gender, including how it shapes communication and how communication creates, reproduces, sustains, and sometimes challenges and changes the meaning of gender. Attention will be given to how gender impacts and is impacted by friendships, family relationships, education, media, and organizations. Learning experiences include work with both verbal and nonverbal communications as they apply to perception, stereotyping, gender and socialization, processing information, differences in communication styles, in a variety of environments.
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 improve confidence 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 studies, 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)
This course builds on the fundamental design principles and practices introduced in Graphic Design I. The purpose of this course is to develop confidence and competence in creating computer-generated art based on sound design principles, strong original concepts, and polished execution. In completing five art projects, students are encouraged to take risks, to develop their own voices as designers, and to build on software, art technique, and presentation skills.
Prerequisite: ART 2120 or COMM 2300, or Instructor Permission.

COMM 2470 - INTERNSHIP: COMMUNICATIONS (1-4)

COSC - COMPUTER SCIENCE
COSC 1010 - INTRODUCTION 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 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.

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 2030 - COMPUTER SCIENCE II (4)
Builds on the introduction to object-oriented programming begun in COSC 1010 and COSC 1030 with an emphasis on algorithms, data structures, software engineering.
Prerequisite: COSC 1030.

COSC 2300 - DISCRETE STRUCTURES (3)
Introduces the mathematical concepts that serve as foundations of computer science: logic, set theory, relations and functions, graphs (directed and undirected), inductively defined structures (lists and trees), and applications of mathematical induction. Provides an introduction to abstract and rigorous thinking in advanced mathematics and computer science.
Prerequisite: MATH 2200 or equivalent, or MATH 2350 and COSC 1030 (may be taken concurrently), or instructor's permission.

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 2800 - COMPUTER SCIENCE PORTFOLIO/CAPSTONE (1-3)
This course will allow students to demonstrate knowledge of computer science concepts and computational thinking skills by completing a final project incorporating the content covered in the program, certificate or endorsement. The opportunity to prepare an electronic portfolio is presented as students are required to implement a computer science project.
Prerequisite: Complete credit hours of the CS Endorsement or complete 45 credit hours of the Computer Science, Associate of Science program.

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 and includes 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 1905 - REPORT WRITING FOR THE CRIMINAL JUSTICE FIELD (3)**
This writing intensive elective will prepare the criminal justice student for the requirements of jobs in the field and the particular style of writing that will be required.

**CRMJ 2120 - INTRODUCTION TO CRIMINAL JUSTICE (3)**
This course provides the criminal justice student with an overview of the institutions and procedures 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 2150 - VICTIMOLOGY (3)**
This course examines criminal victimization in the United States. Topics covered include the historical treatment of victims of crime, the character and the extent of modern criminal victimization, the nature of the victimization experience, victim treatment at the hands of the justice system, and reforms implemented to enhance the justice system’s response to victimization.

**CRMJ 2155 - CURRENT EVENTS AND ISSUES IN CRIMINAL JUSTICE (3)**
This course provides the criminal justice student with a well-rounded discussion of issues, current practices, and or problems within the Criminal Justice System. The discussions which will include some real world perspectives from a variety of sources, will also encourage students to consider and evaluate potential solutions and whether these solutions will in fact create a better 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 2280 - CRIMINAL PROCEDURES (3)**
This course 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 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 ingested, 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.
DANC - DANCE

DANC 1021 - ACADEMIC AND PROFESSIONAL ISSUES IN DANCE (1)
This course is designed to introduce dance majors at WWCC to the academic and professional worlds of dance. This course provides important information to students in their first year so that they can make the best use of their time as a dance major and college student. This course will focus on the discipline of dance, but will introduce students to key; intellectual and literary skills required in academia, including, but not limited to, critical thinking and analysis, knowledge of the discipline, career options, major concerns, ability to reflect and evaluate, and be introduced to the diversity of the discipline, the College, and the region.

DANC 1410 - BALLET I/II (2)
This beginning level ballet course emphasizes bodily awareness, musicality, vocabulary, dynamic alignment, functional rotation, and class etiquette. Student's technical ability and performance will begin to develop through consistent practice and the investigation of basic ballet vocabulary. Class will include barre, travelling, and center work supported by course readings, presentations, performance viewings and examination of ballet verbal vocabulary.

DANC 1420 - BALLET I/II (2)
This course will continue to build on material presented in DANC 1410. Students will experience intermediate approaches to bodily awareness, dynamic alignment and functional rotation. Students will be introduced to intermediate ballet movement and verbal vocabulary. Students will also experience a range of musical accompaniment, contemporary ideas of ballet and expand their understanding of performance and artistry.

Prerequisite: DANC 1410 or Instructor Permission.

DANC 1430 - MODERN DANCE I/II (2)
This course is a beginning level exploration of modern dance. The course is designed to introduce and explore modern dance ideas through movement, research, observation, and creativity. Daily class will include warm up exercises, across the floor, center phrases, and creative work that stimulates and challenges dancers. Movement will be athletically challenging, artistically nurtured, and rhythmically complex. The course approaches technique and artistry as clearly interwoven principles.

DANC 1440 - MODERN DANCE I/II (2)
This course will build on modern dance principles introduced in DANC 1430. The course will explore intermediate modern dance ideas through movement, research, observation, and creativity. Daily class will include warm up exercises, across the floor, center phrases, and creative work that stimulates and challenges the dancers. Movement will be athletically challenging, artistically nuanced, and rhythmically complex. The course approaches technique and artistry as clearly interwoven principles.

Prerequisite: DANC 1430 or Instructor Permission.

DANC 1450 - TAP DANCE I (2)
The study of basic tap steps with emphasis on rhythmic accuracy and clarity of tap sounds. May be used for fine arts credit.

DANC 1480 - JAZZ DANCE I (2)
This beginning level course is an introduction and exploration of jazz dance technique. Through practical experience, students will encounter various elements of jazz dance that stem from the social dance vernacular in the United States. Course content is drawn from music, rhythm, improvisation and jazz history. Class will move through a structured warm up, travel across the floor and learn center combinations. Course work will be contextualized by class readings, discussion, analysis of dance performance and student created choreography.

DANC 1490 - CONTEMPORARY JAZZ DANCE (2)
This course will include dance techniques drawn from classical jazz dance, lyrical jazz dance, classical and contemporary ballet, dance team technique, and modern dance to give the student a foundation for performance, teaching, coaching, and further study of contemporary jazz dance. This style of dance is popular in private and professional studios, with competitive dance teams in media, and on stage. Daily warm-ups will include conditioning exercise that emphasize alignment, strength and flexibility, and freedom of movement. Travelling movements, turns, jumps, and floorwork will be drilled and incorporated into choreography. Studio work will be contextualized by online assignments including analysis of video footage of dances made popular in media. 

Prerequisite: Any college-level Ballet, Modern Dance, or Jazz Dance class, or instructor permission.

DANC 2105 - DANCE HISTORY (3)
This course is a research-based survey of the history of Western Dance in Europe and America. Emphasis is on the history of ballet and modern dance since the Renaissance. Students will also explore vernacular dance forms and the contributions of dance traditions form various cultures to reveal the richness of the subject. Students will engage with major stylistic trends, cultural influences and principal artists and their work.

DANC 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. 

Corequisite: Enrollment in a Modern Dance Technique course.

DANC 2214 - DANCE PEDAGOGY (3)
This course is a study of the fundamental concepts in dance pedagogy. This course will provide students with the theoretical basis and practical application for teaching dance disciplines at the basic level. The class will include discussion, co-teaching and individual teaching projects and session, practical application of course readings and written work. Students should expect to both discuss and practice ideas in each class session.

Prerequisite: DANC 1410, DANC 1430, or Instructor Permission.

DANC 2215 - DANCE CHOREOGRAPHY (2)
A study of various approaches to choreographing for musical theatre and concert dance. Content areas include storytelling, use of music, composing stage pictures, structuring dance steps, running auditions, and rehearsal techniques.

Prerequisite: DANC 1420, DANC 2450, and DANC 2480, or Instructor Permission.

DANC 2216 - DANCE SOMAKINESIS (2)
This course is an introduction to the fields of Dance Science and Somatics and how the two areas of study support each other to create a holistic understanding of the human body in relationship to
dance. Emphasis is placed on anatomical analysis including musculoskeletal variations, neurological processes and somatic movement practices/frameworks including Bartinieff, Yoga, Pilates, Alexander Technique and Body Mind Centering. By utilizing both kinesiological and somatic lenses, the course will explore movement efficiency, conditioning principles and injury prevention as applied to technique class, rehearsal, choreography and individual needs of the body.

DANC 2410 - BALLET III/III (3)
This course is an intermediate level exploration of ballet technique and artistry. This course is designed to explore and enhance technical and artistic proficiency through movement, research, observation and creativity. Daily class will include barre, petite allegro, across the floor and grand allegro, center phrases and creative work that will stimulate and challenge the dancers. Movement material will be a combination of classical ballet, contemporary ballet and somatic exercises. Movement material will be contextualized and processed through course readings, discussions, presentations and papers.
Prerequisite: DANC 1420 or Instructor Permission.

DANC 2420 - BALLET II/II (3)
This course will continue to build on material presented in DANC 2410. This course is designed to explore and enhance technical and artistic proficiency through movement, research, observation and creativity. Daily class will include barre, petite allegro, across the floor and grand allegro, center phrases, and creative work that stimulate and challenge the dancers. Movement material will be a combination of classical ballet, contemporary ballet and somatic exercises. Anatomical information is woven into this course to guide the students into further understanding of their bodies kinesiastically, mechanically and artistically. The course approaches technique and artistry as clearly interwoven principles.
Prerequisite: DANC 1410 or Instructor Permission.

DANC 2430 - MODERN DANCE II (3)
This course is an intermediate level exploration of modern dance, as seen through the postmodern contemporary dance lens. This course is designed to explore and enhance technical and artistic proficiency through movement, research, observation, and creativity. Daily class will include warm up exercises, across the floor, center phrases, and creative work that stimulates and challenges the dancers. Movement will be athletically challenging, nuanced, and rhythmically complex. Anatomical information is woven into this course to guide the students into further understanding of their bodies kinesiastically, mechanically and artistically. The course approaches technique and artistry as clearly interwoven principles.
Prerequisite: DANC 1430 or Instructor Permission.

DANC 2440 - MODERN DANCE II/II (3)
This course will build upon modern dance principles discovered in DANC 2430. This course is designed to explore and enhance technical and artistic proficiency through movement, research, observation, and creativity. Daily class will include warm up exercises, across the floor, center phrases, and creative work that stimulates and challenges the dancers. Movement will be athletically challenging, nuanced, and rhythmically complex. Artistic practice is discussed and solidified for the individual student in order to aid the student in developing his or her own approach to technique and artistry. The course approaches technique and artistry as clearly interwoven principles.
Prerequisite: DANC 2430 or Instructor Permission.

DANC 2450 - TAP DANCE II (2)
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: DANC 1450.

DANC 2455 - TAP REPERTORY AND IMPROVISATION (2)
Advanced study of tap including well-known repertory pieces from noted 2th and 21st century tap dancers, new choreography by instructor, and improvisation. This course may be taken twice for credit (4 credits total).
Prerequisite: DANC 2450.

DANC 2480 - JAZZ DANCE II (2)
This course will develop and refine jazz dance concepts introduced in DANC 1480. Through practical experience, students will encounter various elements of jazz dance that stem from the social dance vernacular in the United States. Course content is drawn from music, rhythm, improvisation and jazz history. Specific emphasis will be placed on jazz dance as a reflection of American culture, and students will make connections between the movement and the sociocultural influences. Class will move through a structured warm up, travel across the floor, and learn center combinations. Course work will be contextualized by class readings, discussion, analysis of dance performance, and student created choreography.
May be taken two times for credit.
Prerequisite: DANC 1480 or Instructor Permission.

DESL - DIESEL TECHNOLOGY

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, component breakdown, types, and operation of medium/heavy duty diesel engines. Tooling, safety, engine construction, lubrication, and cooling systems will be covered, as well as the many types of fuel injection systems used in the industry. Live work on operational components will be stressed throughout the course.

DESL 1600 - DIESEL ENGINES (6)
Building on the basics from Diesel Fundamentals, this course will go more in depth to cover the various kinds of engine repair operations that diesel technicians may encounter in the industry. Engine teardowns and evaluations will be used, as well as proper reassembly and initial adjustments. More extensive component/system inspections will be included, with an emphasis on current industry practices and problems encountered. Students should be prepared for extensive shop work and dress accordingly.
At least a basic set of hand tools is recommended, although all special tooling will be provided by the college.

Prerequisite: DESL 1595 or Instructor Permission.

DESL 1601 - DIESEL ENGINES FOR INDUSTRY (2)
This course is intended to provide industry employees with diesel engine repair and rebuilding skills to include: Cooling and lubrication system testing, basic mechanical condition testing, proper engine mechanical component analysis and reassembly, and proper initial engine start/run procedures. Approved for S/U grading.

DESL 1608 - DIESEL BASICS AND FUEL SYSTEMS (2)
This course is intended to provide industry employees with fundamental diesel engine skills to include: Hydromechanical diesel engine component identification, engine operation and combustion theory, fuel system component operation & theory, diesel engine basic maintenance, and fuel system component testing. Common diesel engine injection types will be covered including hydromechanical, and electronically controlled. Approved for S/U grading.

DESL 1625 - DIESEL ENGINE MANAGEMENT I (3)
This course will further the understanding of modern diesel engines by working deeper into current technology computer controlled diesel fuel injection and fuel control systems. Components, emission controls, use of scan tools, data interpretation, and diagnosis will be covered. Live problems will be utilized whenever possible. All special tools and diagnostic equipment will be provided by the college.

Prerequisite: DESL 1600.

DESL 1635 - DIESEL ENGINE MANAGEMENT II (3)
This course will continue on from the foundation laid by DESL 1625 to delve deeper into current computer controlled diesel fuel injection and emission control systems. Several types of common rail injection systems, as well as major engine management and emission system designs will be covered. Use of scan tools, data interpretation, and diagnosis will be covered. Live problems will be utilized whenever possible. All special tools and diagnostic equipment will be provided by the college.

Prerequisite: DESL 1625.

DESL 1680 - HD BRAKE & SUSPENSION (6)
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.

DVST - DEVELOPMENTAL STUDIES

DVST 0800 - COLLEGE STUDIES INSTITUTE (3)
The College Studies Institute is designed to provide intensive instruction in reading, math and language for incoming fall freshmen with COMPASS scores that place them below the 1000 level in reading, math and/or language. Additionally, the Institute will focus on study skills, team building and removing institutional barriers to success that incoming freshmen might encounter in the first three weeks of school.

DVST 0885 - TRANSITION TO COLLEGE SEMINAR (1)

This course provides students with a means to understand the processes necessary to enroll at WWCC and apply for financial aid. Students are exposed to the resources available to help them succeed in college, learn about instructor expectations, and participate in self-assessment to facilitate positive interactions on campus and in the classroom.

ECON - ECONOMICS

ECON 1000 - GLOBAL ECONOMIC ISSUES (3)
An introduction to contemporary economic principles and the foundations of a market based global economic system. Students will examine current economic issues and events.

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. Course will cover value and price theory, monopoly and public policy, markets for productive goods and services, labor economics, consumer behavior, utility maximization and alternative forms of economic organizations.

Prerequisite: ECON 1010 (C or better).

ECON 1400 - CUSTOMER SERVICE (3)
This course covers the All-encompassing approach in making excellence a priority in every aspect of business to both external as well as internal customers.

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 1430 - LIFE SCIENCE IN THE ELEMENTARY SCHOOL (1)
This course covers selections of basic life science concepts, materials and curricula appropriate for elementary school. The course is designed to allow students to experience strategies and instructional activities introduced in biology courses and to be a link between what the prospective teachers learn and what they will teach. It provides the opportunity to participate in and discuss appropriate activities, strategies, and programs in a teaching area related to life sciences. Specifically this course will provide these experiences through project-based inquiry learning experiences.

Corequisite: Concurrent enrollment in or previous completion of BIOL 1003 or BIOL 1010, or instructor permission.

EDCI 1440 - PHYSICAL SCIENCE IN THE ELEMENTARY SCHOOL (1)
This course covers selections of basic physical science concepts, materials and curricula appropriate for elementary school. The course is designed to allow students to experience strategies and instructional activities introduced in physical science courses and
to be a link between what the prospective teachers learn and what they will teach. It provides the opportunity to participate in and discuss appropriate activities, strategies, and programs in a teaching area related to physical sciences. Specifically this course will base these experiences on the Conceptual Change model for providing teachers strategies for addressing students’ preconceptions and misconceptions.

Corequisite: Concurrent enrollment in or previous completion of CHEM 1000 or PHYS 1050, or instructor permission.

EDCI 1450 - EARTH SCIENCE IN THE ELEMENTARY SCHOOL (1)

This course covers selections of basic earth science concepts, materials and curricula appropriate for elementary school. The course is designed to allow students to experience strategies and instructional activities introduced in the Geology course and to be a link between what the prospective teachers learn and what they will teach. It provides the opportunity to participate in and discuss appropriate activities, strategies, and programs in a teaching area related to earth sciences. Students will participate in cooperative earth science activities, reflect as future educators, and complete assignments concerned with earth science resources and lesson planning.

Corequisite: Concurrent enrollment in or previous completion of GEOL 1100, or instructor permission.

EDCI 2440 - INTRODUCTION TO CLASSROOM MANAGEMENT (2)

This course is designed to meet the needs of education majors as an introduction to methods of classroom management and the pros and cons of the varied classroom management ideas present in today’s classrooms. The course also addresses how classroom management is modified for students of different ages.

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 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 ELEMENTARY SCHOOL 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 2280 - LITERATURE FOR CHILDREN (3)

This course will provide students with the skills and knowledge necessary to select and utilize quality literature in early childhood and/or elementary classrooms.

Prerequisite: ENGL 1010.

EDEX - EDUC EXCEP CHILD

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 2020 - FOUNDATIONS OF EDUCATION (4)

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. Furthermore, students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a classroom teacher. This practicum provides an opportunity to tie course concepts to actual field experience. A minimum of forty hours of classroom time will be spent in a classroom at the teaching level being considered by the student.

Prerequisite: EDCI 1000 and recent background check through the Wyoming Division of Criminal Investigation (DCI) or instructor approval.

EDFD 2100 - EDUCATIONAL PSYCHOLOGY (4)

This course is designed to acquaint the student with the understanding of psychological concepts, principles, and research relevant to teaching and learning with an emphasis on the school setting. Furthermore, students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a classroom teacher. This practicum provides an opportunity to tie course concepts to actual field experience. A minimum of forty hours of classroom time will be spent in a classroom at the teaching level being considered by the student.

Prerequisite: EDFD 2020 (C or better) and background check or instructor permission.
EDUC - EDUCATION GENERAL

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 develop 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.

ELAP 1515 - ELECTRICAL APPRENTICESHIP I (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 safety, introduction to the National Electrical Code, basic electrical theory, lighting and appliance circuits and wiring methods.

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.

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.

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.

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 safety, blueprint reading, construction procedures, grounding and ground fault calculations, and service calculations based on the National Electrical Code.

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.

EDUC 2801 - Introduction to Research in Education (1-3)
This course is designed to introduce the student to fundamental knowledge and skills necessary for conducting quality research in education. Students will better understand the world in which they live and discover solutions to important problems by locating, understanding, evaluating, and interpreting educational research. Students may have the opportunity to present to the State of Wyoming Legislature.

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.

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.

EDUC 2801 - Introduction to Research in Education (1-3)
This course is designed to introduce the student to fundamental knowledge and skills necessary for conducting quality research in education. Students will better understand the world in which they live and discover solutions to important problems by locating, understanding, evaluating, and interpreting educational research. Students may have the opportunity to present to the State of Wyoming Legislature.

Prerequisite: ELAP 1515 or Instructor Permission.

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.

Prerequisite: ELAP 1535 or Instructor Permission.

ELTR 1501 - ELECTRICAL SAFETY AWARENESS I (5-3)
This course will provide an introduction to electrical awareness in various industries. Curriculum will be based on industry needs such as public safety, emergency preparedness, and worker
ELTR 1502 - ELECTRICAL SAFETY AWARENESS II (1-3)
This course will provide expanded curriculum related to electrical safety awareness. Curriculum will be based on industry needs such as public safety, emergency preparedness, and worker protection. This course is for participants in industry such as an electrical technician or any personnel allowed crossing an electrical hazard approach boundary. Students will be introduced to using the NFPA70E “Standard for Electrical Safety in the Workplace” and electrical compliances as outlined by MSHA and OSHA. This course is approved for S/U grading.

ELTR 1505 - ELECTRICAL ASSEMBLY & MEASURE (3)
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.
Prerequisite: MATH 0920 or TECH 1000 (maybe taken concurrently).

ELTR 1520 - BASIC ELECTRICITY, DC (3)
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: 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)
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 Instructor 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 1595 - SPECIAL TOPICS IN INDUSTRY - ELECTRICAL INSTRUMENTATION & MAINTENANCE (.5-4)
This course will provide an introduction to a variety of Industrial Electrical Instrumentation and Maintenance areas. Specific subject matter will vary each class, and may include topics such as Troubleshooting, Instrumentation, Power, Motor Controls, Remote Terminal Units, Programmable Logic Controls, Distributive Control Systems, and Control System Communications.

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.
Prerequisite: ELTR 1840 (or equivalent) and ELTR 1520, or Instructor Permission.

ELTR 1685 - INTRODUCTION TO INFRARED TECHNOLOGY, FOR INDUSTRY (0.5)
This course is designed to instruct students on the theory and practical use of infrared temperature measuring equipment. Topics include: theory behind the IR technology; important equipment settings; tips and techniques for obtaining accurate temperature readings, good images, and interpreting this data; practice with IR guns and IR cameras. Approved for S/U grading.

ELTR 1700 - INTRODUCTION TO SOLID STATE ELECTRONICS (3)
This course will develop knowledge and skills in basic solid state electricity and serve as a foundation for other electrical/electronics and instrumentation courses. Topics of study include safety, principles of semiconductors, methods of testing diodes and transistors, power supplies and basic transistor amplifiers.
Prerequisite: ELTR 1530 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 (3)
This course will develop knowledge and skills in basic digital circuits and serve as a foundation for other electrical/electronic and instrumentation courses. Topics of study include safety, principles of integrated circuits, methods of testing Logic gates and timing circuitry featuring the 7400 series logic family of integrated circuits.
Prerequisite: ELTR 1700 or Instructor Permission.

ELTR 1840 - INSTRUMENTATION I (3)
This course is designed to 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, and level. 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, and OGPT 1515, or Instructor Permission.

ELTR 2620 - CONTROL SYSTEM 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 1840 and ELTR 2840, or Instructor Permission.

ELTR 2815 - PROGRAMMABLE 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 logic 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 1840 and ELTR 2840, 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 - INDUSTRIAL ELECTRICAL 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 2815 and ELTR 2820 or Instructor Permission.

ELTR 2830 - POWER DISTRIBUTION II (3)
This course is an advancement from Power Distribution I (ELTR 2820). The studies will consist of metering, protective relaying, control circuits, synchronization, and power networking. The fundamentals, equipment, grounding and bonding, and maintenance of these systems is emphasized. All topics will be in compliance with the National Electric Code.

Prerequisite: ELTR 2820 and ELTR 2840, or Instructor Permission.

ELTR 2840 - MOTOR CONTROLS (3)
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 starters, interlocks, timers, control devices, alarm and indicator circuits. The student must demonstrate the ability to design, connect and troubleshoot motor control circuits upon completion of this course.

Prerequisite: ELTR 1520 or AUTO 1765 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 2855 - ADVANCED PROGRAMMABLE LOGIC 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 such as human machine interfaces (HMI's). Other topics learned 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, as well as demonstrate the ability to program, connect, and troubleshoot practical industrial control circuits utilizing PLC's and personal computers. This course will include classroom lecture that will be reinforced with lab work using industry standard hardware and software.

Prerequisite: ELTR 2815 or Instructor Permission.

ELTR 2885 - INSTRUMENTATION II (3)
This course is 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. Topics include flow; control valves, actuators, and positioners; instrument air; P&I diagrams and instrument tags; controllers and control functions.
Prerequisite: ELTR 1840, or ELTR 1841, or Instructor Permission.

**ELTR 2890 - INSTRUMENTATION III (3)**

This course is a continuation of ELTR 2885 (Instrumentation II) in the study of instrumentation techniques. The emphasis is on the adjustment and calibration of instrumentation contained in industrial process control systems. Topics include: conductivity, pH, chromatography, gas analyzers, optical analyzers, humidity; calibration and testing procedures; process control modes and methods; and computers in process control.

Prerequisite: ELTR 2885 or Instructor Permission.

**ELTR 2890 - CO-OP WORK EXPERIENCE: ELECTRICAL & INSTRUMENTATION (1-3)**

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**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.

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**EMT - EMERGENCY MEDICAL TECHNOLOGY**

**EMT 1670 - EMERGENCY MEDICAL RESPONDER (6)**

The Emergency Medical Responder course is designed to prepare students to identify hazardous conditions and safely provide medical intervention for medical and trauma emergencies. Upon successful completion of the course students will receive a certificate of completion, be able to sit for the State of WY final exam, apply to the State of WY for EMT licensure, and be eligible to take the National Registry (NREMT) exam for the EMT level. This entry level training enables students to seek employment in the field of pre-hospital emergency medicine as paid or volunteer providers and provides an important professional link into other allied health professions.

Prerequisite: Enrollment by Instructor Permission only. See Instructor for additional prerequisites.

**EMT 1690 - EMERGENCY MEDICAL TECHNICIAN (8)**

The Emergency Medical Technician course is designed to prepare students to identify hazardous conditions and safely provide medical intervention for medical and trauma emergencies. Upon successful completion of the course students will receive a certificate of completion, be able to sit for the State of WY final exam, apply to the State of WY for EMT licensure, and be eligible to take the National Registry of EMT’s exam. This entry level training enables students to seek employment in the field of pre-hospital emergency medicine as paid or volunteer providers and provides an important professional link into other allied health professions.

Prerequisite: Students must submit a letter of interest in the course addressing the stated requirements to enroll. See instructor for additional prerequisites.

**EMT 1695 - EMERGENCY MEDICAL SERVICES SPECIAL OPERATIONS (3)**

This course will provide the student with additional in depth knowledge of special operations within the field of Emergency Medical Services; including hazardous materials operations, working with law enforcement at crime scenes, fire ground operations, and other non-routine EMS operations.

**EMT 2470 - EMS INTERNSHIP (2)**

This course is designed to give students a more in depth look at the EMS career field and keep them engaged in the EMS field during the summer break. This allows students the opportunity to gain valuable work experience, continue to use/practice skills obtained in the EMT and AEMT courses from their freshman year and demonstrate their mastery of subject matter to prospective employers. The student will have already been licensed by the State at the AEMT level and will be expected to perform to that level during their Internship. The student will be put in a grand total of 125 hours of time spread over 5 weeks and will receive 2 credit hours of Internship credit towards their degree.

Prerequisite: Successful completion of EMT 2500 and Wyoming State Licensure at the Advanced EMT Level.

**EMT 2500 - ADVANCED EMERGENCY MEDICAL TECHNICIAN (8)**

The Advanced Emergency Medical Technician course is designed to prepare students to build on the concepts learned in the Emergency Medical Technician course and safely provide advanced medical interventions for medical and trauma emergencies. Upon successful completion of the course students will receive a certificate of completion, be able to sit for the State of WY and/or the National Registry of Emergency Medical
Technician final exam, apply to the State of WY for AEMT licensure. This entry level training enables students to seek employment in the field of pre-hospital emergency medicine as paid or volunteer providers and provides an important professional link into other allied health professions.

Prerequisite: Enrollment by instructor permission only. See instructor for additional prerequisites.

**ENGL - ENGLISH**

**ENGL 1008 - INTRODUCTION TO ACADEMIC WRITING (3)**

This course prepares students for writing in college-level courses. The course helps students create complete and interesting paragraphs with topic sentences, supporting details, correct grammar, punctuation, and usage. The course will emphasize the writing of clearly organized, well-developed essays made up of those paragraphs some of which will be traditional five-paragraph essays.

Prerequisite: McCann Write score of 37-50 or ACT English 16 or higher to place into course.

**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: McCann Placement Exam, 70 or better, ACT English Score of 18 or higher, or ENGL 1008 (B or better). Students with McCann score of 51-69 or ENGL 1008 with a C must enroll in ENGL 1010 and ENGL 1011 concurrently. Corequisite: Students with a COMPASS English score of 60-74 may enroll in ENGL 1010 and ENGL 1011 concurrently.

**ENGL 1011 - ENGLISH WRITING WORKSHOP (1)**

This course is designed to help those students whose placement scores warrant extra practice in grammar, punctuation, and mechanics and must be taken in conjunction with ENGL 1010—English Composition I. Students will use the workshop to work on specific areas of concern tailored to their unique writing issues and thus prepare them for their assignments for the non-workshop portions of the class. A central objective of the course is to prepare students to successfully complete various writing assignments frequently required of college students. The course emphasizes clear well-ordered expository and argumentative writing, with variety in sentence structure, carefully developed paragraphs, smooth transitions and appropriate use of the language.

Prerequisite: McCann placement score of 51-69 or ENGL 1008 (C or better). Corequisite: Concurrent enrollment in ENGL 1010 required.

**ENGL 1020 - ENGLISH COMPOSITION II (3)**

A continuation of English I, this course emphasizes writing, research, and analytical reading.

Prerequisite: ENGL 1010 (C or better).

**ENGL 2005 - 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, résumés, 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 2019 - WRITING STUDIES (3)**

This course is focused on research and analytical reading, adding the exploration of writing studies and composition as an academic field. Students will gain significant practice with writing while also learning more about how it works within a variety of settings, largely through reading and discussing important works from the discipline.

Prerequisite: ENGL 1010.

**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 2100 - LITERARY JOURNAL PRODUCTION (1-2)
This course provides practical experience for students interested in producing a literary journal. Areas for participation include the editorial process of selecting fiction, nonfiction, poetry and other material to be published, as well as in the making of design and layout decisions. 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.

ENGL 2230 - INTRODUCTION TO SHAKEspeare (3)
This course focuses on the works of William Shakespeare. The works chosen for study offer a variety of themes as well as plot structures. The course considers his life, plays, and poetry alongside the literary devices he employed.
Prerequisite: ENGL 1010 or Instructor Permission.

ENGL 2250 - WOMEN IN LITERATURE (3)
This literature course will explore texts by and about women. The works chosen for study reflect the influences of significant women of literary, historical, and philosophical eras. Both the chosen texts and the course may be integrated as well.

ENGL 2215 - MEDIEVAL WORLD LITERATURE (3)
This course will focus on the reading and study of major works that are representative of this significant period or of literary forms in the history of literature during this time.
Prerequisite: ENGL 1010 or Instructor Approval.

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 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.

ENGL 2495 - WORKSHOP IN ENGLISH (.5-2)

ENTO 1001 - INSECT BIOLOGY (4)
This course is an introduction to insects and related arthropods. Aspects of insect biology, behavior, life history, and diversity, as well as many ways that insects affect humans will also be introduced. Furthermore, this course will concentrate on the morphology, physiology, and evolutionary ecology of insects and arthropods.
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: ENTO 1002. Offered: Odd Fall Semesters.

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. Equation solution, 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 2110 - STATICS (3)
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. Practical design projects that reinforce and extend course content are implemented during recitation.
Prerequisite: Take MATH 2205 (may be taken concurrently), PHYS 1310, C or better, or Instructor Permission.

ES 2120 - DYNAMICS (3)
Vector dynamics of particles and rigid bodies, including rectilinear and curvilinear motion. Newton's laws of motion, impulse-momentum, and work-energy methods. Practical design projects that reinforce and extend course content are implemented during recitation.
Prerequisite: ES 2110 (C or better), PHYS 1310 (C or better), MATH 2205 (C or better) or Instructor Permission.

ES 2210 - ELECTRIC CIRCUIT ANALYSIS (3)
This course will begin the study of linear circuit analysis, including resistor, capacitor and inductor elements in circuits with 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. Practical design projects that reinforce and extend course content are implemented during recitation.
Prerequisite: MATH 2205 (C or better), or Instructor Permission.

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 Auto CAD, such as symbol libraries, isometrics, autolisp, 3D, screen and tablet menus, slides and icon menus.
Prerequisite: ES 2230.

ES 2310 - THERMODYNAMICS (3)
This course focuses on the analysis of macroscopic systems involving energy and its various forms. Fundamental concepts of the course include the balance and transfer of energy, mass and entropy. Thermodynamic cycles will be analyzed within the scope of gas mixtures.
Prerequisite: ES 2110 (C or better) or PHYS 1320 (C or better) and MATH 2210 (C or better) or Instructor Permission.

ES 2330 - FLUID DYNAMICS (3)
This course focuses on the analysis of incompressible fluid flow. Pipe flow and external flow of ideal and real fluids will be studied using a variety of techniques. Such techniques will include potential functions, stream functions, and conservation laws. In addition, dimensional analysis and similarity will be emphasized.
Prerequisite: ES 2110 (C or better) or PHYS 1320 (C or better) and MATH 2210 (C or better) or Instructor Permission.

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 2010 or 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.

GEOG - GEOGRAPHY

GEOG 1080 - INTRODUCTION TO GPS AND MAPS (4)
This course provides an introduction to the theory, practices and usages of GPS mapping equipment. Laboratory work affords ample opportunity for the students, working in small groups, to practice with the GPS equipment used in the field. The collected data will be imported into a GIS based software package. Commonly used coordinate systems, datums, and projections will be reviewed.

GEOG 1100 - INTRODUCTION TO GIS (4)
Introduction to the fundamentals of Geospatial Technology, including Geographic Information Systems (GIS), Global Positioning Systems (GNSS/GPS), cartography, and remote sensing through a series of hands-on ArcGIS Desktop exercises. Students will learn how geospatial technology is used in business, industry and government. This course is designed to introduce the student to the basic principles and techniques of GIS. The lab material will emphasize GIS data collection, entry, storage, analysis, and output using ArcGIS software.
GEOG 2130 - SPATIAL ANALYSIS (4)
An introduction to problem-solving and decision-making using geospatial analysis techniques. Students will learn to effectively solve spatial problems and make decisions by working with a variety of data and methods using the spatial analysis tools in ArcGIS software.
Prerequisite: GEOG 1100.

GEOG 2170 - GIS CAPSTONE (4)
The capstone is a learning experience resulting in a consolidation of a student’s educational experience and certifies mastery of entry level workplace geospatial competencies. Through a series of real-world situations students will expand their GIS skills as they make decisions using GIS data. The projects involve the complicated spatially related issues professionals from many disciplines face each day. Students will focus on GIS workflow, documenting and being systematic about a problem-solving process. Following a consistent GIS workflow is an important part of becoming a GIS professional. Process summaries will be created for each project that documents the steps taken to complete a project. In the final project students will create a project proposal and research design and carry it through to implementation, results, and analysis. Students will use the GIS functionality found within Esri ArcGIS software as a tool to complete their projects.
Prerequisite: GEOG 1080, GEOG 1100, and GEOG 2130.

GEOG 2180 - GEOSPATIAL WEB APPLICATIONS (4)
The course involves the design, creation, configuration, optimization of geospatial servers and applications to deliver content across the Internet. Students will be introduced to the design, optimization of geospatial servers, and maintenance of basic geospatial web services and applications. The course includes an introduction to browser and mobile enabled interactive applications.
Prerequisite: GEOG 1100.

GEOL - GEOLOGY

GEOL 1026 - GEOLOGY OF SOUTHWEST WYOMING (2)
This course is designed for students interested in gaining an understanding of the geologic history of Northwestern Wyoming. Students will study basic geologic principles and apply them to the region as well as learn to interpret the geomorphology, rock formations, and fossils of the region utilizing the Scientific Method. Students will also gain an understanding of how Wyoming geology influences and is influenced by contemporary society. A local day field trip is a requirement for this course.

GEOL 1100 - PHYSICAL GEOLOGY (4)
This course is an introduction to the scope of Geology, the concepts involved, the several branches of the science, and some of the economic and cultural aspects of the science. Emphasis is on the materials and processes that make and shape the Earth, and how those concepts are related to the Theory of Plate Tectonics. Students will learn to identify common minerals and rocks and explain their composition; learn about plate tectonics and use this theory to explain the origin of ocean basins, mountain chains, continents, earthquakes, volcanoes; and learn about the rock cycle, weathering of rocks, and formation of landforms (glaciers, river valleys, coastal features). Geology makes extensive use of the scientific method and hands-on learning. This course has a significant lab component that is designed to help students learn and understand concepts taught in class; hence the Scientific Method will be used in lab exercises.
Prerequisite: MATH 0920 or higher. Corequisite: GEOL 1101.

GEOL 1101 - PHYSICAL GEOLOGY LAB (0)
Corequisite: GEOL 1100.

GEOL 1200 - HISTORICAL GEOLOGY (4)
Historical Geology is an introduction to the study of Earth, its origin, and the processes and events that have shaped it. The course covers major geological changes in Earth history in chronological order, and the relationship between geology and the evolution of life on this planet. A significant portion of the lab section of this course will be the identification of fossils from major time periods of Earth’s history in order to demonstrate evolution over time at the macro level. This course will make extensive use of the scientific method and hands-on learning. Local field trips may be required.
Prerequisite: GEOL 1100 or Instructor Permission. Corequisite: GEOL 1201.

GEOL 1201 - HISTORICAL GEOLOGY LAB (0)
Corequisite: GEOL 1200.

GEOL 2010 - MINERALOGY (3)
This is an introduction to the systematic study of rock-forming minerals. This course will include the study of crystallography, crystal chemistry, and mineral identification.
Prerequisite: GEOL 1100 or Instructor Permission.

GEOL 2020 - INTRODUCTION TO PETROLOGY (2)
This petrology course surveys the distribution, chemical composition, and mineral associations in rocks of the earth’s crust and upper mantle, and establishes its relation to tectonic environment. The student will learn the principles behind rock forming processes and will learn to examine rocks in hand specimen and thin section, both as a means of identifying and describing the rocks and as a means of extracting clues to formulate hypotheses about how the rocks formed in nature, and what that means for humanity.

GEOL 2050 - PRINCIPLES OF PALEONTOLOGY (3)
Paleontology is study of life on this planet through the evidence of the fossil record. It includes the study of fossils to determining organisms' evolution and interactions with each other and their environments. The course covers major geological changes in Earth history in chronological order, and the relationship between geology and the evolution of life on this planet. A significant portion of the course will be the identification of fossils from major time periods of Earth’s history in order to demonstrate evolution over time at the macro level. This course will make extensive use of the scientific method and hands-on learning. Local field trips may be required.
Prerequisite: ENGL 1010, C or Better.

GEOL 2080 - GENERAL FIELD GEOLOGY (1-3)
This course provides an introduction to Geology field methods. Students will be instructed in the basics of geological surveying, mapping, and the use of geological field equipment. The precise course of study will vary from semester to semester. This course may include a required field component. Up to four credits of GEOL 2080 will apply towards graduation.
Prerequisite: GEOL 1100 or Instructor Permission.
G&R - GEOGRAPHY & RECREATION

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 1211 - U.S. TO 1865 (3)

Surveys US history through the Civil War which by itself meets the requirements of the Wyoming statutes providing for instruction in the provisions and principles of the constitutions of the United States and Wyoming.

Prerequisite: McCann score of 89 or higher, or ACT Reading score of 20 or higher, or SAT score of 1030 or higher, or concurrently enrolled in ENGL 1010.

HIST 1221 - U.S. FROM 1865 (3)

Surveys US history from the Civil War to the present and meets the requirements of the Wyoming statutes providing for instruction in the provisions and principles of the constitutions of the United States and Wyoming.

Prerequisite: McCann score of 89 or higher, or ACT Reading score of 20 or higher, or SAT score of 1030 or higher, or concurrently enrolled in ENGL 1010.

HIST 1251 - WYOMING HISTORY (3)

A survey which encourages an understanding of Wyoming history, how it relates to the history of the West and the rest of America, and how it has influenced the present. An important component is to learn about the US and Wyoming constitutions and how these documents have influenced Wyoming history.

Prerequisite: McCann score of 89 or higher, or ACT Reading score of 20 or higher, or SAT score of 1030 or higher, or concurrently enrolled in ENGL 1010.

HIST 1290 - HISTORY OF THE US WEST (3)

An introductory survey of the American West, with consideration of developments in both the 19th and 20th centuries.

HIST 1320 - WORLD HISTORY TO 1750 (3)

A history of the world's peoples and societies from human prehistory to 1750, with an emphasis on diversity and interconnectedness of human life in the past.

HIST 1330 - WORLD HISTORY SINCE 1750 (3)

A history of the world's peoples and societies from 1750 to present, with an emphasis on diversity and interconnectedness of human life in the past.

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 2030 - HISTORY AND ENVIRONMENTAL SCIENCE (3)

This course is designed as an introduction to both the historical work of environmental historians and the scientific work of the environmental scientists. No previous background in either history or science is required.

HIST 2050 - INTRODUCTION TO PUBLIC HISTORY (3)

Introduces the student to the non-teaching, professional uses of history. Topics for consideration include archival work, museum management, public information and publications, historic site development, oral history interviewing, preparation of government reports, historic preservation general concepts and historical programming.

Prerequisite: 6 hours of history courses or Instructor Permission.

HIST 2059 - INTRODUCTION TO HISTORICAL RESEARCH (1-3)

This course introduces students to concepts and methods used in historical research. Students will read historical works, draft a research proposal, conduct primary research using libraries and archives, employ techniques to research under-documented populations (i.e. oral histories), and interpret research materials. Student may have the opportunity to attend and/or present at a professional history conference. A maximum of 6 credits from this course will count toward graduation.

Prerequisite: 6 hours of history coursework or Instructor Permission.

HIST 2060 - TOPICS IN HISTORY: (1-3)

This course discusses special topics that fall outside the traditional chronological and geographical framework of history; content varies from semester to semester in accordance with faculty interest and student/community demand. Offered based on sufficient demand and resources.

HIST 2080 - HOLOCAUST (3)

Survey of the destruction of European Jewry, 1933-1945.

HIST 2290 - HISTORY OF NORTH AMERICAN INDIANS (3)

Studies American Indian history through 500 years and across the continent. Considers Indian political, social, and economic continuity and change. Focuses on how Indian peoples experienced and responded to times of dramatic change.

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.

HIST 2455 - INTRO TO THE CIVIL WAR AND RECONSTRUCTION (3)

An introduction to the crisis on the Union, 1861-1877. Examines experiences both the North and South during the Civil War and restoration of the Union after the war.

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 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.

**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 may threaten life. Students will have the option of obtaining adult cardiopulmonary resuscitation and first aid certification.

**HLED 2006 - HEALTH FOR ELEMENTARY EDUCATORS (1)**

This course is designed for those who work with children. Topics include basic health topics that help promote change in health behaviors with an emphasis on teaching children to make informed decisions regarding health and fitness. 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 HLED 1503 and HLED 1504.

**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 - PRE-HOSPITAL TRAUMA LIFE SUPPORT (2)**

NAEMT’s Prehospital Trauma Life Support (PHTLS) is recognized around the world as the leading continuing education program for prehospital emergency trauma care. The mission of PHTLS is to promote excellence in trauma patient management by all providers involved in the delivery of prehospital care. PHTLS is developed by NAEMT in cooperation with the American College of Surgeons’ Committee on Trauma. The Committee provides the medical direction and content oversight for the PHTLS program. PHTLS courses improve the quality of trauma care and decrease mortality. The program is based on a philosophy stressing the treatment of the multi-system trauma patient as a unique entity with specific needs. PHTLS promotes critical thinking as the foundation for providing quality care. It is based on the belief that, given a good fund of knowledge and key principles, EMS practitioners are capable of making reasoned decisions regarding patient care.

Prerequisite: Instructor Permission, Licensed Prehospital Provider or Other Healthcare Provider.

**HLTK 1506 - ADVANCED MEDICAL LIFE SUPPORT (1)**

Advanced Medical Life Support (AMLS) is the gold standard of education for emergency medical assessment and treatment. Endorsed by the National Association of EMS Physicians, AMLS emphasizes the use of the AMLS Assessment Pathway, a systematic tool for assessing and managing common medical conditions with urgent accuracy. Students learn to recognize and manage common medical crises through realistic case-based scenarios that challenge students to apply their knowledge to highly critical patients. The course emphasizes the use of scene size-up, history, interactive group discussion on potential treatment strategies, and physical exam to systematically rule out and consider possibilities and probabilities in treating patients' medical crises. AMLS is appropriate for EMT’s, paramedics, nurses, nurse practitioners, physician assistants, nurse anesthetists and physicians. AMLS is accredited by CAPCE and recognized by NREMT. Provider Course: 16-hour course for EMT’s, paramedics, nurses, physician assistants, nurse practitioners, and physicians. Upon successful completion of the course, students receive a certificate of completion, a wallet card recognizing them as AMLS providers for 4 years, and 16 hours of CAPCE credit.
Prerequisite: Instructor Permission, Licensed Prehospital Provider or Other Healthcare Provider.

**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 1680 - GERIATRIC EMERGENCIES (0.5)**

GEMS provides EMS practitioners at all levels with the skills and knowledge to address the unique medical, social, environmental and communications challenges of older adults. Developed by NAEMT, in partnership with the American Geriatrics Society. GEMS empowers EMS practitioners to help improve medical outcomes and quality of life for geriatric patients. Core Provider Course: 8-hour classroom course for EMT’s, Paramedics, emergency responders, nurses, physician assistants and physicians. Upon successful completion of the course, students receive a certificate of completion, a wallet card recognizing them as GEMS core providers for 4 years, and 8 hours of CAPCE credit.

Prerequisite: Instructor Permission, Licensed Prehospital Provider or Other Healthcare Provider.

**HLTK 1780 - ADVANCED GERIATRIC EMERGENCIES (0.5)**

The Advanced GEMS Course is an 8-hour scenario and skill based continuing education course that can be offered on its own or in combination with the core course for a 16-hour GEMS experience. This advanced course is more appropriate for paramedics and other advanced providers, including those involved in out-of-hospital care and in mobile integrated health care applications. Advanced Provider Course: 8-hour classroom course for EMT’s, paramedics, emergency responders, nurses, physician assistants and physicians that expands upon the curriculum presented in the core course, with more in-depth content and complex scenarios. Students who successfully complete this course receive a certificate of completion, wallet card good for four years, and 8 hours of CAPCE credit.

Prerequisite: Instructor Permission, Licensed Prehospital Provider or Other Healthcare Provider.

**HLTK 1790 - PEDIATRIC EMERGENCIES FOR PREHOSPITAL PROVIDERS (1)**

PEPP represents a complete source of prehospital medical information for the emergency care of infants and children. Developed by the American Academy of Pediatrics, PEPP is an exciting curriculum designed to teach prehospital professionals how to better assess and manage ill or injured children. PEPP is a comprehensive, innovative, and highly visual course featuring case-based lectures, live-action video, hands-on skills stations, and small group scenarios. Any health professional who is responsible for the emergency care of children may find this course beneficial.

Prerequisite: Instructor Permission, Licensed Prehospital Provider or Other Healthcare Provider.

**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 1005 - 1st YEAR SUCCESS (1)**

Western Wyoming Community College recognizes that students face unique challenges as they enter their college education. Learning to balance college, home life, sports, culture and a variety of other factors are critical to the student’s success. This course is designed to teach incoming students how to develop priorities, build organizational and study skills, enhance communication, take responsibility for their learning, understand resources available to them, and learn to positively balance their commitments. Woven throughout the course are discussions and exercises related to reading, note taking, test taking and other success strategies.

C or better grade required to fill General Education requirement.

**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 strategies. Students will participate in the course using Western's online course management system. All class assignments, activities, tests, and discussions, whether individual or within a group, will be conducted in an asynchronous online environment. Students will navigate the learning management system, self-assess their specific learning style, develop online communication skills, understand technology's role in online learning, and create a lasting framework for continued online learning success in any academic discipline.

**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 1101 - CRITICAL READING/CRITICAL THINKING (3)**

This course introduces students to the demands and conventions of academic reading, inquiry and analysis in tandem with critical and creative thinking. Critical reading focuses on analyzing texts, synthesizing materials, recognizing valid inferences, composing accurate summaries, and discerning main ideas. In addition, critical thinking focuses on evaluating hypotheses, determining relevance of information, determining whether evidence supports the main point, evaluating data for consistency, and recognizing flaws and inconsistencies in an argument. Conclusions drawn from information will be evaluated on credibility, accuracy, and reliability. Thus, Critical Reading/Critical Thinking's purpose is to create more skillful, better-prepared thinkers for college and for the workplace.

Prerequisite: BAS 0510 (C or better) or HMDV 1504 (C or better) or appropriate McCann score.

**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, WRITING AND GRAMMAR (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' 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 1504 - READING AND VOCABULARY SKILLS (3)
This course covers the fundamentals of reading and vocabulary skills and the application of these skills to assist non-native and international students in becoming more efficient readers in the academic setting.

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 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. May be taken up to 3 times for credit (3 credits max)

Prerequisite: Instructor Permission. Contact the Peer Tutor Center.

HUMN - HUMANITIES

HUMN 1010 - INTRO TO HUMANITIES (3)
Students will gain a greater appreciation of the humanities- the creative expressions, past and present, of men and women around the world - and discover their own personal connections to this tradition. This will be done through reading, writing, conversation, and participation in cultural activities. Through the Focus Essay project, students will sharpen research, writing and presentation skills and gain an in-depth view of a Humanities-related subject of special interest to them.

Prerequisite: Admission to the Honors Program.

HUMN 1090 - FEMININE MYTHOLOGY (3)
This course will familiarize the student with the latest research in the study of ancient matrilineal and female deity cultures. Topics explored will be the great mother/goddess concept, effects of a male dominated (patriarchal) culture on women, the role of women in a culture that worshiped a feminine deity, a comparison of ancient feminine mythology with more recent cultural myths, and how the feminine is expressed in other cultures myths, i.e., Native American, Asian, and others.

HUMN 2460 - FIELD STUDIES IN HUMANITIES: (2)
This course will be organized around travel to distant destinations, U.S. cities and foreign countries. The goal of the course is learning through travel with preparation beforehand to learn about what we will see. Each class will have a different focus because of the different destinations, but each will concentrate on studying the humanities in art, architecture, music, language, culture, art museums, historical museums, theatre performances, etc.

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.

INDM - INDUSTRIAL MAINTENANCE

INDM 1510 - INDUSTRIAL MECHANICS I (3)
The course will cover 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)
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)
The 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 & ANALYSIS (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)**

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; Gear box installation and maintenance; 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 1556 - PREVENTIVE MAINTENANCE BEST PRACTICES (0.5-3)**

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 1557 - PRECISION MAINTENANCE 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 - INDUSTRIAL 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.

INDM 2980 - CO-OP WORK EXPERIENCE: INDUSTRIAL & MINE MAINTENANCE (1-3)
Students gain practical experience under the guidance of an industry mentor.
Prerequisite: 9 credits of INDM courses and Instructor Recommendation.

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.

MATH - MATHEMATICS
MATH 0710 - ARITHMETIC SKILLS I (1)
This course covers the following topics: ratios and proportions, percent notation, data, graphs and statistics. This course is designed for students who are not confident in their math skills or whose Compass math test places them at this level. The purpose of this course is to build mathematical competency and prepare for higher level math classes. Completion of MATH 0710, MATH 0740 and MATH 0750 courses with a “B” or better (in each course), allows students to enter MATH 0920.
Prerequisite: MATH 0710 (B or better), or ALEKS score of 0-13, or ACT Math 0-15, and Instructor Permission.

MATH 0720 - ALGEBRA SKILLS I (2)
Introduction to elementary algebra with applications. Topics include graphing linear equations, writing equations of lines, intercepts, exponents, polynomials, and factoring. These courses are designed for students who are not confident in their algebra skills or whose Compass math test places them at this level. The purpose of these courses is to build mathematical competency in basic algebra skills and prepare for higher level math classes. Completion of MATH 0720 and MATH 0760 with a “B” or better in each course, allows students to enter MATH 0920.
Prerequisite: MATH 0740 (B or better), or ALEKS score of 0-13, or ACT Math 0-15, and Instructor Permission.

MATH 0740 - ARITHMETIC SKILLS II (1)
This course covers the following topics: ratios and proportions, percent notation, data, graphs and statistics. This course is designed for students who are not confident in their math skills or whose Compass math test places them at this level. The purpose of this course is to build mathematical competency and prepare for higher level math classes. Completion of MATH 0710, MATH 0740 and MATH 0750 courses with a “B” or better (in each course), allows students to enter MATH 0920.
Prerequisite: MATH 0710 (B or better), or ALEKS score 0-13, or ACT Math 0-15, and Instructor Permission.

MATH 0750 - ARITHMETIC SKILLS III (1)
This course covers the following topics: measurement, geometry, real numbers, and solving equations via the addition and multiplication principles. This course is designed for students who are not confident in their math skills or whose Compass math test places them at this level. The purpose of this course is to build mathematical competency and prepare for higher level math classes. Completion of MATH 0710, MATH 0740 and MATH 0750 courses with a “B” or better (in each course), allows students to enter MATH 0920.
Prerequisite: MATH 0740 (B or better), or ALEKS score of 0-13, or ACT Math 0-15, and Instructor Permission.

MATH 0760 - ALGEBRA SKILLS II (2)
Introduction to elementary algebra with applications. Topics include graphing linear equations, writing equations of lines, intercepts, exponents, polynomials, and factoring. These courses are designed for students who are not confident in their algebra skills or whose Compass math test places them at this level. The purpose of these courses is to build mathematical competency in basic algebra skills and prepare for higher level math classes. Completion of MATH 0720 and MATH 0760 with a “B” or better in each course, allows students to enter MATH 0920.
Prerequisite: MATH 0720 (B or better), or ALEKS score of 14-29, or ACT Math 16-20, and Instructor Permission. Corequisite: Students placing into MATH 0900 may take MATH 0720 and MATH 0760 concurrently.

MATH 0770 - ALGEBRA SKILLS III (2)
Techniques of algebra with applications. Builds upon the concepts and skills developed in MATH 0720, and MATH 0760. Topics include an introduction to polynomials, factoring, rational expressions, functions and graphs. These courses are designed for students who are not confident in their algebra skills or whose Compass math test places them at this level. The purpose of these courses is to build mathematical competency in basic algebra skills and prepare for higher level math classes. Completion of MATH 0770 and MATH 0780 with a “B” or better in each course allows the student to enter courses for which MATH 0930 is a prerequisite.
Prerequisite: MATH 0760 (B or better), or MATH 0920 (C or better), or ALEKS score of 30-45, or ACT Math 21 or higher, and Instructor Permission.

MATH 0780 - ALGEBRA SKILLS IV (2)
Techniques of algebra with applications. Builds upon the concepts and skills developed in MATH 0720, MATH 0760, and MATH 0770. Topics include an introduction to inequalities, exponents, radicals and quadratic functions. These courses are designed for students who are not confident in their algebra skills or whose Compass math test places them at this level. The purpose of these courses is to build mathematical competency in basic algebra skills and prepare for higher level math classes. Completion of MATH
0770 and MATH 0780 with a “B” or better in each course allows the student to enter courses for which MATH 0930 is a prerequisite.

Prerequisite: MATH 0770 (B or better), or ALEKS score of 30-45, or ACT Math 21 or higher, and Instructor Permission.

**MATH 0900 - PREALGEBRA ARITHMETIC (3)**

This course covers the following topics: review of basic operations and the order of operations, fractions, decimals, ratio and proportions, conversions and applications of percent, basic geometry and measurement applications, signed numbers, and introduction to algebraic expressions and solving equations.

Required for students with ALEKS scores of 0-13 or ACT Math 0-15

Corequisite: Students placing into MATH 0900 may take MATH 0720 and MATH 0760 concurrently.

**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 inequalities, and graphing.

Prerequisite: MATH 0900 (C or better), or MATH 0710 (B or better) and MATH 0740 (B or better) and MATH 0750 (B or better); or ALEKS score of 14-29.

**MATH 0921 - BEGINNING ALGEBRA WORKSHOP (2)**

This workshop is a co-requisite class with MATH 1000 and is not a stand-alone course. Its purpose is to provide the beginning algebra skills necessary to be successful in MATH 1000, Problem Solving. Topics include: Operations with real numbers, operations involving algebraic expressions, exponents, solving linear equations, and graphing.

Prerequisite: MATH 0920 or ALEKS score of 14-29. Corequisite: MATH 1000 (Section must correspond with MATH 0921).

**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 MATH 0720 (B or better) and MATH 0760 (B or better), or ALEKS score of 30-45, or ACT Math score of 21 or higher.

**MATH 0931 - INTERMEDIATE ALGEBRA WORKSHOP (2)**

This workshop is a co-requisite class with MATH 1400 and is not a stand-alone course. Its purpose is to provide the intermediate algebra skills necessary to be successful in MATH 1400, College Algebra. Topics include: introduction to functions and relations, solving quadratic equations, rational expressions and equations, radical expressions and equations, solving inequalities and graphing.

Prerequisite: Must have ALEKS placement score of 35-45 to enroll. Corequisite: MATH 1400 (Section must correspond with MATH 0931).

**MATH 1000 - PROBLEM SOLVING (3)**

A course in quantitative reasoning that examines modern topics for their applicability and accessibility. Provides students with mathematical and logical skills needed to formulate, analyze, and interpret quantitative arguments in a variety of settings. Topics include financial mathematics, elementary logic and set theory, introduction to probability, basic statistics, unit conversion, applications of algebra as well as other topics of interest.

Prerequisite: MATH 0920 (C or better), or ALEKS score of 30-45, or ACT Math score of 21 or higher, and by AMP 1. Corequisite: Students with ALEKS score of 20-29 may take MATH 0921 concurrently and not have to take MATH 0920.

**MATH 1100 - NUMBER & OPERATIONS ELEM SCH TCHRS (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 MATH 0720 (B or better) and MATH 0760 (B or better); or appropriate Placement Exam score; or Math ACT of 23 or higher, or by AMP. Corequisite: EDEL 1410.

**MATH 1105 - DATA, PROBABILITY, ALGEBRA ELEM SCH TCHRS (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 - COLLEGE ALGEBRA (3)**

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.

Prerequisite: MATH 0930 (C or better); or MATH 0770 (B or better) and MATH 0760 (B or better); or ALEKS score of 46-60; or ACT Math of 23 or higher; or by AMP 1. Corequisite: Students with ALEKS score of 35-45 may take MATH 0931 concurrently and not have to take MATH 0930.

**MATH 1405 - 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.

Prerequisite: MATH 1400 (C or better), or ACT Math of 25 or higher, or ALEKS score of 61-75, or by AMP 2.

**MATH 2120 - GEOMETRY & MEASUREMENT ELEM SCH TCHRS (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).
MATH 2200 - CALCULUS I (4)
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 ACT Math of 27 or higher, or ALEKS score of 76-100.

MATH 2205 - CALCULUS II (4)
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 (4)
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) or Instructor Permission.

MATH 2300 - DISCRETE STRUCTURES (3)
Introduces the mathematical concepts that serve as foundations of computer science: logic, set theory, relations and functions, graphs (directed and undirected), inductively defined structures (lists and trees), and applications of mathematical induction. Provides an introduction to abstract and rigorous thinking in advanced mathematics and computer science.
Prerequisite: MATH 2200 or equivalent, or MATH 2350 and COSC 1030 (may be taken concurrently), or instructor's permission.

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 ACT Math of 26 or higher, or ALEKS score of 61-75, or by AMP 2.

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).

MATH 2800 - MATHEMATICS SEMINAR (2)
Introduces mathematics majors and minors, as well as mathematics education majors to mathematical investigation and discovery. Typically, a range of topics is covered; may include reading assignments and group or individual work on projects for preparation.
Prerequisite: MATH 2205.

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: MCH 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.

MCH 2780 - ADVANCED MACHINE TOOL PROCESSES III (4)
This course is a continuation of Advanced Machine Tool Processing I and II and covers advanced lathe operations, vertical milling machine operation, metal shaper operation, horizontal surface grinder operation, and building parts using principles of hardening processes. This class is going to focus on machining precision mating parts on project built by students, particularly on building parts and heat treating principles.
Prerequisite: MCH 2770 or Instructor Permission.

MCH 2999 - ADVANCED MACHINE TOOL PROCESSES IV (3)
This course is a continuation of Advanced Machine Tool Processing I, II, and III and covers advanced lathe operations, vertical milling machine operation, metal shaper operation, horizontal surface grinder operation, and building parts using principles of hardening processes. This class is going to focus on continued machine shop projects.
• Build a project of assembled parts.
• Advanced machine projects approved by instructor.
Prerequisite: MCH 2780 or Instructor Permission.
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 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.

MKT - MARKETING

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 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.

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: BIOL 1010 (C or better). Corequisite: MOLB 2211.

MOLB 2211 - GENERAL MICROBIOLOGY LAB (0)
Corequisite: MOLB 2210.
MUSC - MUSIC

MUSC 0200 - MUSIC CONVOCATION (0)
Recital hour for student, faculty, and guest performances.
Prerequisite: Intended for, and required of, Music majors.

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 (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 and MUSC 1290.

MUSC 1035 - AURAL THEORY I (1)
The study of sight singing, ear training, keyboard harmony and diatonic harmony.
Corequisite: MUSC 1030 and MUSC 1290.

MUSC 1036 - IMPROVISATION STRATEGIES (1)
Introduction to improvisation in a variety of musical styles. Topics will include: Blues Scale uses; pentatonic scales superimposed over Major 7th, Minor 7th and Dominant 7th chords; modes derived from: Major, Harmonic Minor, and Melodic Minor; chord/scale relationships including: secondary dominants, Sub V7 and Modal Interchange chords; common diatonic melodic patterns, chromatic approach note patterns and standard harmonic patterns all of which will explored through tunes drawn from a variety of styles. Additionally, there will be required readings and listening assignments. These various components will lead to a semester project that will include: research, analysis and performance components.
May be taken twice for credit.
Prerequisite: MUSC 1030 and MUSC 1290, or Instructor Approval.

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 1070 - APPLIED MUSIC COMPOSITION (1-2)
This course is for students who wish to study music composition in a one-on-one lesson setting. Focus is on the development of an individual creative musical language through the exploration of traditional and contemporary techniques of music composition.
Prerequisite: MUSC 1030.

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.
Corequisite: MUSC 1030 and MUSC 1035.

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 1040 and MUSC 1045.

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 and MUSC 2035.

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 and MUSC 2045.

MUSC 1390 - JAZZ ENSEMBLE (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.
Prerequisite: Instructor Permission Required.

MUSC 1415 - AUDIO BASICS & LIVE SOUND REINFORCEMENT (3)
Students will acquire an overview to a broad range of technology-based music applications and concepts including the properties of sound and sound perception, microphone design and application, live sound reinforcement and signal processing, digital audio
recording, sound synthesis, and applications of the Musical Instrument Digital Interface (MIDI) protocol.

**MUSC 1435 - AUDIO RECORDING (3)**
Students develop basic understanding of recording principles and techniques. Students examine the principles of sound, the operation and maintenance of studio equipment, and the systems, operation, and protocol of the modern digital recording studio.
Prerequisite: MUSC 1415.

**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 1465 - POP ENSEMBLE (1)**
This course is designed as a major ensemble to offer vocal training and performance experience in popular music styles. May be taken up to four times for credit.
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 1500 - 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 and Instructor Permission.

**MUSC 2010 - POPULAR MUSIC SURVEY (3)**
Popular Music Survey will examine the growth, evolution and documentation of the many styles and stylistic influences inherent in American “popular” music, also called Contemporary Commercial Music (CCM).

**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.

**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 meets 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 Required.

**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 Required.

**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 Required.

**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 Required.

**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 Required.

**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 Required.

**MUSC 2078 - APPLIED MUSIC PERCUSSION (1-2)**
Prerequisite: Instructor Permission Required.
MUSC 2150 - GUITAR II (1)
This course provides instruction in more advanced guitar techniques.
Prerequisite: MUSC 1150 or Instructor Permission.

MUSC 2320 - DICTION FOR SINGERS I (2)
This course studies phonetic sounds of English and Italian.

MUSC 2325 - DICTION FOR SINGERS II (2)
This course studies phonetic sounds of German and French.

MUSC 2395 - PIANO PROFICIENCY (0)
The Piano Proficiency examination is a graduation requirement for all seeking the Associate of Arts degrees in a Music area. Students will be limited to a maximum of 3 attempts. Approved for S/U grading.

NURS - NURSING

NURS 1100 - PROF NURSING CARE IN HEALTH PROMOTION (9)
This semester introduces the learner to the concepts of health promotion, safety, clinical judgment, leadership, patient centeredness, and professionalism. Health promotion includes learning about self-health and health in children, adults, older adults, and the family experiencing a normal pregnancy. Learners will value evidence about healthy lifestyle patterns and risk factors for disease and illness, apply growth and development theory, develop therapeutic relationships, conduct an age appropriate and culturally sensitive health assessment, and promote health using the nursing process and standards of professional nursing.
Prerequisite: Admission to the Nursing Program. Corequisite: NURS 1115.

NURS 1115 - PROF NURSING CARE IN HEALTH PROMOTION LAB (0)
Corequisite: NURS 1100.

NURS 1200 - PROF NURSING CARE IN CHRONIC ILLNESS (10)
This semester introduces the learner to the patient and family with chronic illness using the concepts of health promotion, safety, clinical judgment, leadership, patient centeredness, and professionalism. Learners will use caring behaviors, therapeutic communication and advocacy when providing care to patients with chronic illness across the lifespan. The learner will identify the roles and values of the members of the inter-professional healthcare team. The patient and family lived experience is emphasized. Guided and/or precepted learning experiences in various community settings and facilities are correlated with classroom and laboratory instruction.
Prerequisite: NURS 1100. Corequisite: NURS 1215.

NURS 1215 - PROF NURSING CARE IN CHRONIC ILLNESS LAB (0)
Corequisite: NURS 1200.

NURS 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: NURS 1511.

NURS 1511 - NURSE ASSISTANT LAB (0)
Corequisite: NURS 1510.

NURS 1900 - PRACTICAL NURSING ROLES (1)
The PN Roles course prepares students to take the PN licensure exam and practice as licensed practical nurses. The PN Roles course introduces students to the theory of practical nursing to enable them to provide safe, effective nursing care to clients with common, predictable problems to maximize health potential. Content is organized around the goals of the nursing program.
Prerequisite: Successful completion of NURS 1200.

NURS 2300 - PROF NURSING CARE IN ACUTE ILLNESS (10)
This semester introduces the learner to the patient and family with acute illness using the concepts of health promotion, safety, clinical judgment, leadership, patient centeredness, and professionalism. Learners will use caring behaviors, therapeutic communication and advocacy when providing care to patients with acute illness across the lifespan. The learner will facilitate the effectiveness of the inter-professional healthcare team. The patient and family lived experience is emphasized.
Prerequisite: NURS 1200 (C or better). Corequisite: NURS 2315.

NURS 2315 - PROF NURSING CARE IN ACUTE ILLNESS LAB (0)
Corequisite: NURS 2300.

NURS 2400 - PROF NURSING CARE IN COMPLEX ILLNESS (9)
This semester introduces the learner to the patient and family with complex illness using the concepts of health promotion, safety, clinical judgment, leadership, patient centeredness, and professionalism. This semester is focused on the vulnerable patient, which could include multisystem acute and chronic diseases processes and physiological, mental and socioeconomic factors that put the patient at risk. The patient and family lived experience is emphasized.
Prerequisite: NURS 2300 (C or better). Corequisite: NURS 2415.

NURS 2415 - PROF NURSING CARE IN COMPLEX ILLNESS LAB (0)
Corequisite: NURS 2400.

NURS 2900 - 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: NURS 2300 or NURS 2400.

OEAC - OUTDOOR EDUCATION ACTIVITIES

OEAC 1200 - INTRODUCTION TO ADVENTURE EDUCATION (1)
This course will introduce the basics of outdoor and wilderness educational activities. Students will become acquainted with the
OGPT - OIL & GAS PRODUCTION TECHNOLOGY

OGPT 1502 - BASIC SEPARATOR & DEHYDRATION TECHNOLOGY (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.
Prerequisite: OGPT 1530.

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 TECHNOLOGY
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
Activity courses may be taken two times for credit.

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, pulleys, 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.
Prerequisite: Demonstrated Swim Skills.

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 classroom 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 of 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 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 1050 - BEGINNING TENNIS (1)**

Introduction to the fundamental skills of tennis. Skills to be included are grips, forehand, backhand, drives, serve 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 1060 - BEGINNING ICE SKATING (1)**

This course offers an introduction to the fundamental skills of ice skating. The emphasis will be on technique, conditioning, safety and equipment. The course has both classroom and activity portions.

**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 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)**

An introduction to the fundamentals of bowling to include score-keeping, computing an average, figuring handicaps, bowling terminology, bowling approach, stance, types of deliveries, tournament play, rules and 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 1263 - BEGINNING BASKETBALL (1)**

This course is designed for individuals with no prior basketball experience through intermediate level players. Focus will be on gaining and improving knowledge, skills, techniques, and strategies to improve one's enjoyment of and participation in participating in basketball. Offensive and defensive principles will be taught including basic man-to-man and zone defensive principles and offensive strategies to overcome defensive pressure.

**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, delay 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 desert of the world. Regardless of why a person has entered the desert; be it for recreation, occupation, education or accidentally, 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 - WHITWATER 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 snowshoeing is 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.

PEAC 1306 - 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 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 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 2254 - SNOWBOARD RIDING II (1)**
This course emphasizes further development of the fundamental skills of snowboard riding. The course is designed to enhance all-mountain riding skills, free-riding skills, and freestyle riding skills. The emphasis will be on technique, conditioning, and safety. The class has classroom and activity portions.

Prerequisite: PEAC 1254 or Instructor Permission.

**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: 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 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 1071 - VARSITY WRESTLING II (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 1072 - VARSITY WRESTLING III (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 1073 - VARSITY WRESTLING IV (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 1075 - VARSITY BASKETBALL I (1)**
This course is designed for members of the Western Wyoming Community College Region IX intercollegiate basketball team, which focuses on advanced skill development with emphasis on team progressions in basketball. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Basketball program. The athlete must be a recruited walk on or scholarship athlete.

**PEAT 1076 - VARSITY BASKETBALL II (1)**
This course is designed for members of the Western Wyoming Community College Region IX intercollegiate basketball team, which focuses on advanced skill development with emphasis on
team progressions in basketball. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Basketball program. The athlete must be a recruited walk on or scholarship athlete.

Prerequisite: Instructor Permission.

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 1085 - VARSITY VOLLEYBALL II (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 I (1)

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Soccer program. The athlete must be a recruited walk on or scholarship athlete.

PEAT 2072 - VARSITY SOCCER II (1)

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Soccer program. The athlete must be a recruited walk on or scholarship athlete.

Prerequisite: Instructor Permission.

PEAT 2073 - VARSITY SOCCER III (1)

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Soccer program. The athlete must be a recruited walk on or scholarship athlete.

Prerequisite: Instructor Permission.

PEAT 2074 - VARSITY SOCCER IV (1)

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Soccer program. The athlete must be a recruited walk on or scholarship athlete.

Prerequisite: Instructor Permission.

PEAT 2075 - VARSITY BASKETBALL III (1)

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate basketball team, which focuses on advanced skill development with emphasis on team progressions in basketball. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Basketball program. The athlete must be a recruited walk on or scholarship athlete.

Prerequisite: Instructor Permission.

PEAT 2076 - VARSITY BASKETBALL IV (1)

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate basketball team, which focuses on advanced skill development with emphasis on team progressions in basketball. To enroll in this course, students must be a member of the Western Wyoming Community College Varsity Basketball program. The athlete must be a recruited walk on or scholarship athlete.

Prerequisite: Instructor Permission.

PEAT 2080 - VARSITY VOLLEYBALL III (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 2085 - VARSITY VOLLEYBALL IV (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.

PEPR 1130 - TEACHING INDIVIDUAL/GROUP FITNESS (3)

This course is designed for individuals to learn how to safely instruct individual and group training/fitness sessions. Students learn proper technique for a variety of exercises using a various types of equipment and body weight. Students will learn how to teach and critique proper form for the exercises they learn. Analysis and correction of others' technique will be emphasized. Students will learn how to safely and effectively teach exercises in a group setting. New exercises will be taught and perfected throughout the semester. By the end of the course, students will have learned how to correctly perform exercises and be able to teach, analyze and correct the exercise technique of others. Emphasis is placed on teaching safe and effective use of all equipment.

Prerequisite: PEPR 2130 (May be taken concurrently). Corequisite: PEPR 2130.

PEPR 2037 - INTRODUCTION TO SPORT 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 2010 and/or BIOL 2015. Corequisite: PEPR 2121.

**PEPR 2121 - INTRO TO EXERCISE PHYSIOLOGY LAB (0)**

Corequisite: PEPR 2120.

**PEPR 2130 - FUNDAMENTALS OF EXERCISE SCIENCE (4)**

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 - APPLIED EXERCISE SCIENCE (4)**

This course is a continuation of PEPR 2130. 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 Fundamentals of Exercise Science, 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 (C or better).

**PEPR 2470 - EXERCISE SCIENCE PRACTICUM I (.5)**

Students will apply their exercise science knowledge and skills gained from their Exercise Science courses and practicum sessions to real-life settings.

Prerequisite: PEPR 2130 (May be taken concurrently). Corequisite: PEPR 2130.

**PEPR 2471 - EXERCISE SCIENCE PRACTICUM II (.5)**

Students will apply their exercise science knowledge and skills gained from their Exercise Science courses and practicum training sessions to real-life settings. Students in this course will organize, supervise, train, and lead Exercise Science Practicum I students.

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.

**PHILB - PHLEBOTOMY**

**PHILB 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.


**PHILB 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. Students receiving credit for PHYS 1050 cannot receive credit for PHYS 1310.

Prerequisite: MATH 0920, or TECH 1000, or placement into MATH 0930 or higher. Corequisite: PHYS 1051.

**PHYS 1051 - CONCEPTS IN PHYSICS LAB (0)**

Corequisite: PHYS 1050.

**PHYS 1110 - 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 1111 - GENERAL PHYSICS I LAB (0)**

Corequisite: PHYS 1110.

**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 1121 - GENERAL PHYSICS II LAB (0)**

Corequisite: PHYS 1120.

**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 1311 - COLLEGE PHYSICS LAB (0)**

Corequisite: PHYS 1310.

**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.

**PHYS 1321 - COLLEGE PHYSICS II LAB (0)**

Corequisite: PHYS 1320.

**POLS - POLITICAL SCIENCE**

**POLS 1000 - AMERICAN & WYOMING GOVERNMENT (3)**

Introduction to the Constitutions and governmental processes of the U.S. and Wyoming.

Prerequisite: McCann score of 89 or higher, or ACT Reading score of 20 or higher, or SAT score of 1030 or higher, or concurrently enrolled in ENGL 1010.

**POLS 1200 - NON-WESTERN POLITICAL CULTURES (3)**

Gives students appreciation of non-western political cultures and how these cultures have created different political institutions and practices. Non-Western nations of Asia, Africa, and the Middle East are used as case studies.

**POLS 2000 - CURRENT ISSUES IN AMERICAN GOVERNMENT (3)**

Examines current political topics in the U.S. Focuses on key public policy problems, policy-making process and the final policy choice. Students must keep abreast of political events on daily basis and 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)
Analyzes the nature of international relations, emphasizing various methods of explaining and interpreting the international behavior of nation-states. Illustrates contemporary problems in world politics.

POLS 2380 - TOPICS IN POLITICAL SCIENCE: (1-3)
This course provides students with the opportunity to travel to various global destinations. A variety of topics may be explored, including: politics and government, anthropology, art, geography, history, international travel logistics, language, and local culture. It is intended to accommodate various specialized subjects not offered as regular courses. The goal of the course is to provide students with the opportunity to better understand global societies and cultures. Specific travel destinations and itineraries may vary from year to year. This course is approved for S/U grading.

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 U.S. Senator's or 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: 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 - PSYCHOLOGY

PSYC 1000 - GENERAL PSYCHOLOGY (4)
Surveys the field of psychology through lectures, class discussion and assigned readings. This course includes development of behavior, physiological mechanisms of behavior, perception, motivation and emotion, learning, intelligence, individuality, personality and mental health.

PSYC 1060 - ETHICS & DIVERSITY (2)
The student will learn ethical standards for the counseling and psychological professions, including how to apply them in practice and research. The student will also: learn how prejudice and discrimination affect members of minority and majority groups; become aware of how being victimized by prejudice has felt to various people belonging to physical, cultural, economic and behavioral minority groups; thoughtfully consider how one's own membership in a racial, ethnic or social group has influenced one's life; and explore ways in which people can move beyond stereotypes to reduce prejudice and learn to value differences.

PSYC 1300 - DOMESTIC VIOLENCE/SEXUAL ASSAULT (2)
This course surveys the issue of domestic violence and sexual assault from both an information and advocacy perspective. Battering and sexual assault within families and within society will be explored as will elder abuse. Training will include means of responding to the victim and to addressing the wider social implications of violence.

PSYC 2000 - RESEARCH PSYCHOLOGY METHODS (4)
This course introduces students to psychological methods of research. Students will apply various forms of descriptive and experimental designs and will produce a final research project which they have designed and executed. There is a heavy emphasis on application and APA writing.

Prerequisite: PSYC 1000.

PSYC 2010 - GRIEF AND LOSS (2)
This course addresses the theoretical framework of human loss and grief from a culturally and philosophically diverse perspective. It seeks to provide information about why and how humans grieve and how grieving is affected by type of loss, socioeconomic and cultural factors, individual personality and family functioning. Attention is focused on life span development and the meaning of death and loss at different ages. Various types of loss are discussed from numerous perspectives. The importance of understanding trauma and its relationship to grief and loss will be addressed. Coping and resiliency in loss are explored, emphasizing the diversity of human response and focusing on the significance of social groups in integrating loss.

PSYC 2080 - BIOLOGICAL PSYCHOLOGY (3)
Introduces biological bases of behavior. Includes ethology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior, and evolution and behavioral genetics. Presents basic structural and functional properties of the nervous system.

Prerequisite: 4 hours of BIOL and PSYC.

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)
Explores development and behavior of children from conception to adolescence, emphasizing major roles played by maturation and learning. This course acquaints students with the area of child study in terms of research findings, theories of child development and present problems.

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)
Provides a general overview of abnormal behavior, emphasizing types, etiology and treatment methods.

Prerequisite: PSYC 1000.
PSYC 2380 - SOCIAL PSYCHOLOGY (3)
Examines how people's thoughts, feelings, and behaviors are influenced by the presence of others. Course will cover a broad range of theories and research in social psychology.
Prerequisite: PSYC 1000 or SOC 1000.

PSYC 2470 - INTERNSHIP: PSYCHOLOGY (1-3)
The Psychology Internship 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.

REWM - RANGELAND ECOLOGY AND WATERSHED MANAGEMENT
REWM 2000 - PRINCIPLES OF RANGELAND MANAGEMENT (3)
This course will cover the basic principles of range management as they apply to various regions and vegetative types. The relationship of range management practices to livestock production, wildlife management, forestry, hydrology and other land uses will be examined.
Prerequisite: BIOL 1010 (C or better). Corequisite: REWM 2500. Offered: Even Fall Semesters.

REWM 2500 - RANGELAND PLANT IDENTIFICATION (2)
This course examines major features and evolutionary origins of rangeland plants. The analysis of analytical and experimental tools used to identify and understand plant diversity will be addressed. Recognizing major rangeland plants of North America and understanding their distribution within the range ecosystems will be an essential component of this laboratory course.
Prerequisite: BIOL 1010 (C or better). Corequisite: REWM 2000. Offered: Even Fall Semesters.

RNEW - RENEWABLE RESOURCES
RNEW 2100 - FOREST MANAGEMENT (3)
This course will emphasize principles of forest management. Topics may include the laws affecting forest management, methods of harvesting wood, forest fires, insect management, disturbances to stream flow, and the challenges of developing management plans for forests.
Prerequisite: BIOL 1010 (C or better). Offered: Odd Spring Semesters.

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 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 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 as 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 General Duty Clause, Recordkeeping, Electrical, and Fall Protection. 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 as 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 (1.5)**
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 SAFET (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.

**SOC - SOCIOLOGY**

**SOC 1000 - SOCIOLOGICAL PRINCIPLES (3)**
Provides a survey of the discipline and foundation for other sociology courses. Explores major areas of interest - ranging from small groups and families to bureaucracies and social movements. Introduces significant concepts and theories, along with tools of social research. Gives attention to contemporary American society, as well as comparative and historical material.

**SOC 1080 - INTRO TO WOMEN'S STUDIES (3)**
An introduction to key issues in women's studies. A topic examination of women's participation in and relationship to institutions of society such as family and school, as well as processes and activities, such as work, art, and politics in historical and cross cultural analysis.

**SOC 1100 - SOCIAL PROBLEMS AND ISSUES (3)**
Explores various approaches to defining and identifying social problems and applies basic sociological concepts and methods to analysis of selected social problems and issues.

**SOC 1500 - INTRODUCTION TO RURAL SOCIOLOGY (3)**
This course will focus on social interaction social change, and social problems that occur in rural places around the globe, with a special focus on Wisconsin. It will cover topics including community, agriculture, immigration and demographic change, consumption and the environment.

**SOC 2095 - INTRODUCTION TO SOCIOLOGICAL RESEARCH METHODS (3)**
Examine the design and conduct of social research. Students will complete a research prospectus, including formulating a sociological research question, developing hypotheses, conducting a literature review, surveying prospective data, speculating about potential findings and discussing implications. This course satisfies the USP 2015 Communication 3 and USP 2003 WC requirements.
Prerequisite: 6 HOURS OF SOCIOLOGY AND INSTRUCTOR PERMISSION.

**SOC 2200 - 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 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.

**SOWK - SOCIAL WORK**

**SOWK 2000 - INTRODUCTION TO SOCIAL WORK (3)**
This course introduces social work and social welfare through an overview of the history, philosophy, ethics, values, methods, and fields of practice to generalist social work.

**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 Spanish-speaking 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 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.

SPAN 2140 - INTRODUCTION TO READING (3)
This course lets students practice their language skills by introducing them to a varied selection of readings and other cultural media in a language immersive class. This is a course designed for intermediate and high intermediate language students. Throughout the development of the course, students study a wide variety of materials such as short stories, newspaper articles, songs, websites, documentaries, and films that provide examples of significant cultural aspects of the Spanish-speaking world. Through the study of these, students will acquire an ample cultural knowledge, while at the same time they will be exposed to different oral and written registers of the language. Through the comprehension and analytical discussion of these materials, students will be able to practice and improve their communicative abilities. Although it is not a course focused on grammar, the study of the materials will provide a space to work on refining a proper use of language.
Prerequisite: SPAN 2030 or 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, STAT 2050, and STAT 2070.
Prerequisite: MATH 1400 (C or better) or higher, or Math ACT score of 23 or higher, or ALEKS score of 46-60.

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: STAT 2010, STAT 2050, or STAT 2070.
Prerequisite: MATH 1000 (C or better) or MATH 1400 (C or better) or higher, or Math ACT score of 23 or higher, or ALEKS score of 46-60.

STAT 2070 - STATISTICS FOR SOCIAL 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, STAT 2050, or STAT 2070.
Prerequisite: MATH 1000 (C or better) or MATH 1400 (C or better) or higher, or Math ACT score of 23 or higher, or ALEKS score of 46-60.

TECH - TECHNOLOGY
TECH 1000 - INTRO TO TECHNICAL 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: MATH 0900 (C or better); or MATH 0710 (B or better)

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 in 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 TECHNICAL SCHEMATICS FOR INDUSTRY (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 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 1115 - PLAY SCRIPT ANALYSIS (3)
An introductory course focusing on Aristotle's principles of drama (plot, character, language, spectacle, music and theme) and how each principle is used to help create the dramatic structure of the story within a wide variety of historical plays from the Greek tragedy to the modern play.

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 1700 - VOICE FOR THE ACTOR (2)
This course is the second in a two part series and will focus on song interpretation (paraphrasing, subtexting, given circumstances, emotions, images, and releasing) and articulation (vowel and consonants). The singing fundamentals learned in the first part of the series (relaxation, alignment, breath, and placement of resonance) 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 a heightened text. 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. Finally, this course will prepare a student to successfully perform songs within various styles and contexts.

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: THEA 1100.

THEA 2120 - ORAL INTERPRETATION (3)
Students will perform prose, poetry and drama utilizing interpretive skills. Students will analyze form and content as it relates to performance. Students will gain experience with many types of repertoire as well as the physical techniques necessary to execute interpretive performances.

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 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 2220 - STAGECRAFT (3)
A study of fundamental skills and concepts necessary to create a theatrical environment utilizing image and function.

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: THEA 2252 or Instructor Permission.
THEA 2252 - DRAFTING FOR DESIGN (3)
This course focuses on developing hand drafting 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.

THEA 2370 - SUMMER THEATRE (1)
This course will focus on the preparation and presentation of plays with young people. Students enrolling in this class will participate in all phases of the productions, including the teaching of acting, dancing, singing, stage managing, set and prop construction, lighting, sound, costuming and make-up skills.

Prerequisite: Instructor Permission.

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 2495 - WORKSHOPS IN THEATRE (.5)

THEA 2500 - THEATRE PORTFOLIO (1)
This course prepares the student to create a theatrical portfolio, a resume and cover letters which may help the student transfer to another institution or gain employment.

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 the 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.

THEA 2810 - SCENIC PAINTING FOR THE THEATRE (3)
This course will introduce students to basic painting techniques that are commonly practiced in theatre. Students will learn to paint with a variety of tools and mediums that are used in scenic shops.

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. Throughout 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 (6)
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 utilities 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 air-arc 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, duel 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.
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 - SM/AW 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 Steel 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 2150 - 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:SCHED 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 2630 - WELDING FOR THE ARTS I (3)
This course is intended to introduce the student to the basics of gas metal arc welding (GMAW) and how it can be applied to basic welding projects such as metal sculpture, auto repair, metal fence building and theatre set production. The student should be able to discuss GMAW, its processes and principles, have a basic knowledge of welding power supplies, tools and equipment and be able to discuss electrical safety for welding majors.

WELD 2635 - WELDING FOR THE ARTS II (3)
This course is a continuation of Welding for the Arts I. This segment concentrates on the use of Shielded Metal Arc Welding (SMAW) as applied to metal sculpture, auto repair, fence building and theatre set production. Students will be required to fabricate a metal sculpture, or other weldment, as a final project. This course is not intended for Welding majors.

WELD 2650 - GAS TUNGSTEN ARC WELDING--PIPE (3)
Topics of study include (GTAW) heliarc 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 2660 - 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 6" 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 2670 - 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 2810 - 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.
2018-2019 FACULTY AND ADMINISTRATION

ALLEN, Jennifer
Assistant Professor of Office Information Systems/ Computer Science
A.A.S. - Western Wyoming Community College
B.S. - University of Wyoming
M.S. - University of Wyoming

ANDERSON, Bruce
Associate Professor of Political Science
B.A. - Utah State University
M.A. - Utah State University

BAKER, Deborah
Director of Finance and Controller
B.A. – University of Colorado-Boulder
M.B.A. – University of Colorado-Boulder

BAKER, Suzette
Assistant Professor of English
A.A. - Brookhaven College
B.A. – University of North Texas
M.B.A. – University of North Texas

BARNEY, Rocky
Associate Professor of Chemistry
A.S. - Snow College
B.S. - Southern Utah University
Ph.D. - University of Iowa

BARTLETT, Margaret
Workforce Development Operations Coordinator
B.S. – University of Wyoming

BARTLETT, Jeff
Instructor of Welding Technology

BROWN, Heidi
Assistant Professor of Nursing
B.S.N. - University of Wyoming
M.S.N. - University of Wyoming

BROWN, Sandy
Assistant Professor of Engineering
B.E. - University of Dundee
Ph.D. - University of Hull

BRUNELLI, Cecily
Associate Professor of Composition
B.S. - Emporia State University
M.A. - Kansas State University
M.F.A. - Texas State University

BURNES, Brian
Associate Professor of Biology
B.S. – Georgia Institute of Technology
Ph.D. - Georgia Institute of Technology

CASTILLO, Nicole
Director of Financial Aid
A.S. – Snow College
B.S. – Southern Utah University

CHEW, Bud
Professor of Biology
B.S. - Muhlenberg College
M.S. - Pennsylvania State University
Ph.D. - Pennsylvania State University

CHEW, Laura
Instructor of Developmental Studies
B.A. - University of Rochester
CIEPIELA, Traci
Assistant Professor of Criminal Justice/Sociology
B.A. - State University of New York - Buffalo
M.S. - Columbia College

CLARK, Jessica
Associate Professor of History/Political Science
B.A. – Central Washington University
M.A. – North Dakota State University
Ph.D. – North Dakota State University

CLARK, Kristine
Associate Professor of Exercise Science
B.S. – Utah State University
M.S. – Utah State University
M.S. – Eastern Michigan University

CLARK, Thomas
Instructor of Automotive Technology
A.S. - Arizona Automotive Institute

CLARK, William
Associate 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

CLEVENGER, Ann
Director of Nursing
B.S.N. – University of Wyoming
M.S. - Grand Canyon University

CONOVER, Dustin
Interim Dean of Students
A.A. - Western Wyoming Community College
B.A. - Chadron State University
M.A. - University of Wyoming

CRITCHFIELD, Amy
Associate Professor of Theatre
A.A.S. - Ricks Junior College
B.A. - Eastern Washington University
M.F.A. - Utah State University

CURRUTT, Heidi
Evanston Outreach Coordinator
B.A. – University of Wyoming
M.A. – University of Wyoming

DAMORI, Kasey
Instructional Designer
B.A. – University of Wyoming
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DANIEL, Jeannette
Associate Professor of Nursing-Outreach
A.A. - Laramie County Community College
B.S.N. - University of Wyoming
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DAY, Linda
Director of the Green River Center and Community Education
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M.Ed. – Northern Arizona University

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GEAR UP Coordinator
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M.F.A. - University of Iowa

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B.S. - Ball State University
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B.S. – California State University-Fresno
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GUSTAFSON, James
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FORMANEK, Bill
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B.A. - State University of New York at Buffalo
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A.S. - Casper College  
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M.S. - United States Sports Academy

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Director of Distance Learning  
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B.S. - American InterContinental University  
M.Ed. - American InterContinental University

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Instructor of Automotive Technology  
B.S. – Morehead State University

JOHNSON, Paul  
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M.S. - University of Wisconsin-Milwaukee

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M.S. - Oklahoma State University

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Associate Librarian  
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M.L.I.S. – University of North Carolina- Greensboro

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HEIKES, Korey  
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B.S. - University of Phoenix  
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B.S. – Utah State University

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M.B.A. – University of Texas-Arlington  
Ed.D - University of North Texas

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M.S. - University of Wyoming  

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B.S. - University of Wyoming  
M.S. - University of Wyoming  

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M.S. - University of Utah  
Ph.D. - University of Utah  

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M.S. – University of Kansas  

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M.S. - University of Wyoming  
Ed.D. - University of Wyoming  

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M.A. - University of Wyoming  
Ph.D. - North Texas State University  

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M.F.A. - Virginia Commonwealth University  

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M.S. - University of Wyoming  

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A.A – Victor Valley College  
B.A. – California State University – San Bernardino  
M.A. - California State University – San Bernardino  

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B.S. - University of Wyoming  

**NEELS, Mark**  
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M.A. – University of Missouri  
Ph.D. – Southern Illinois University  

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Ph.D. – Southern Illinois University  

**NEWBERG, Charles**  
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B.S. - University of South Dakota  
M.S. - University of Idaho  

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M.S. - University of Idaho
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B.S. – Henderson State University  
M.S. – University of North Dakota  
Ph.D. – University of North Dakota  

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B.S. – Colorado State University  
M.S. – Colorado State University  

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M.A. – Illinois State University  
Ph.D. – Texas A & M University  

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Database Administrator  

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Network Administrator  
B.S. – University of Central Florida  

PRISTASH, Heather  
Associate Professor of Composition  
B.A. – Kent State University  
M.A. – University of Dayton  
Ph.D. - Bowling Green State University  

PROPST, Christopher  
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B.A. - The Colorado College  
M.A. - Kansas State University  
M.F.A. - Southwest Texas State University  

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A.A. - Snow College  
B.A. - Utah State University  

REGISTER, Tammy  
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A.S. - Western Wyoming Community College  
B.S. - Regis University  
E.M.B.A. - University of Wyoming  

REMBACZ, Mark  
Director of Student Engagement and Completion  
B.S. - Southern Utah University  
M.Ed. - University of Phoenix  

ROBINSON, Derek  
Director of Information Technology  
B.S. - ITT Technical Institute  
M.S. – Kaplan University  

RUDOFF, Ann  
Associate Professor of Communication  
B.A. – University of North Dakota  
M.A. – University of North Dakota  

SALMON, Jennifer  
Volleyball Coach  
B.S. – Ithaca College  
M.S. - Ithaca College  

SCHAFFNER, Matt  
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B.A. – University of Louisville  
M.M. – Louisiana State University  

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B.S. – Montana State University-Havre  
M.S. – Montana State University – Bozeman  
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B.S. - California State University - Fresno  
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Ph.D. - University of California - Riverside  

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Development Officer  
A.A. – Western Wyoming Community College  
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M.A. – Goucher College  

THATCHER, Angela  
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B.S. – The Ohio State University  
M.S. – The Ohio State University  

THOMAS, Jerry  
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A.A. - Sacramento City College  
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M.S. - Kansas State University  

THOMAS, Sunny  
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B.A. – Weber State University  
M.A. - Weber State University  

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M.S.N. - University of Wyoming  

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M.A. - University of Phoenix
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B.M. – Berklee College of Music
M.M. – New England Conservatory of Music
Ed.D. - Argosy University Twin Cities

ZERGER, Bret
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M.A. – Adams State College

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B.A. – Cornell University
M.A. – Bowling Green State University

Adjunct Faculty
ALDERSON, Codi, Nursing
ANDRUS, Robert, Education
APPLEBEE, Andrew, Emergency Medical Services
ARAMBEL, Sue, Physical Activity
ATKINSON, Jeffery, Physical Activity
BLANKSVARD, Carl, Emergency Medical Services
BONINI, Bill, Physical Activity
BOYLES, Jeanette, Emergency Medical Services
BURTON-BACHELLER, Kristine, Emergency Medical Services
CASTILLO, Arthur, Physical Activity
CASILLO, Jessica, Physical Activity
CHENEY, Rose Marie, Math
CICCONE, Joseph, Criminal Justice
CLAMAN, Dennis, Criminal Justice
CLANCY, Kristine, Communications
CLARK, Chris, Physical Activity
CLARK, Will, Biology/Physical Activity/Outdoor Education
CLIFFORD, Angela, Human Development
CHEEK, Dan, Art
COBB, Cynthia, Human Development
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CORDOVA, Michelle, Nursing (CNA)
CRAFT, Bernadine, Psychology
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HUCK, David, Finance/Economics
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IRWIN, Michelle, Political Science
JENSEN, David, Music
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KENDALL, Danielle, Emergency Medical Services
KIRCHER, Sarah, Social Science
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LEBERSKI, Anthony, Communications
LEWIS, Miles, History
LEWIS, Patrick, Psychology
LIVINGSTON, Jeannelle, Nursing (CNA)
LUECK, Kim, Nursing (CNA)
LUZMOOR, Kathy, Nursing
MANDROS, Nicole, Nursing
MARIETTA, Terry, Mathematics
MATHEWS, Darcy, English
MATHEWS, Miles, Government, History
MAYER, Daniel, Psychology
MELSON, Curtis, Mathematics
METZ, David, Mathematics
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MORLOCK, Tammy, Physical Activity
MORTENSEN, John, Machine Tool
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O’DRISCOLL, Cherell, Phlebotomy
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PLANT, Jordan, Emergency Medical Services
POLLASTRO, Cammie, Human Development
POWELL, Shelby, Biology
PROBST, Tori, Nursing
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RAEBENS, Julie, Music
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SALMON, Jennifer, Physical Activity
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SING, Ed, Welding
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WILLOUGHBY, Patricia, Education
WITTSTURK, Clifford, Music
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For a current listing of company representatives to Advisory Boards contact Student Learning.

Automotive/Alternative Fuels
Aaron Locker, Green River High School
Angie Hutchinson, WYDOT
Bode Wilde, First Choice Ford
David Chapman, WYDOT
Delbert Kroupa, Questar
George Czapskie, Rock Springs High School
Jana Erickson, Rock Springs High School
Jason Parker, Rock Springs Honda Toyota
Jesse Coombs, Whisler Chevrolet
Kevin Robertson, Rock Springs Honda Toyota
Robert Henson, PacificCorp
Paul Helvik, Green River Imports Plus
Scott Christoffersen, Associated Tire Stores
Scott Nelson, Whisler Chevrolet

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Aaron Locker, Green River High School
Angie Hutchinson, WYDOT
Bode Wilde, First Choice Ford
David Chapman, WYDOT
Delbert Kroupa, Questar
George Czapskie, Rock Springs High School
Jana Erickson, Rock Springs High School
Jason Parker, Rock Springs Honda Toyota
Jesse Coombs, Whisler Chevrolet
Kevin Robertson, Rock Springs Honda Toyota
Robert Henson, PacificCorp
Paul Helvik, Green River Imports Plus
Scott Christoffersen, Associated Tire Stores
Scott Nelson, Whisler Chevrolet

Diesel Technology
Tom Allee, Solvay Chemicals
Cody Wulfenstein, Honnen Equipment
Mike Culver, Peterbilt of Wyoming
Jason Bernatis, Peterbilt of Wyoming
Wade Wollman, Cummins Rocky Mountain-Rock Springs
Heath Lowinske, Jack’s Truck and Equipment
Dallas Latham, Wyoming Machinery Co.
Bruce Macy, Macy’s Truck Repair Inc.
Charlie Mackie, Komatsu Equipment Co.
Jeff Peppers, Kenworth Sales

Exercise Science
Amanda Larson, Alliance Physical Therapy
Emily Hunt, Equilibrium Fitness Studio
Floyd Huxford, Huxford Chiropractic Clinic
Jeff Alcorn, Rocky Mountain Sports and Physical Therapy
Lamar Fox, Huxford Chiropractic Clinic
Mark Rembacz, WWCC
Nancy Johnson, WWCC
Shelby Vasa, Soul Growth

Electrical & Instrumentation
Bridge Coal
Church & Dwight
Ciner Wyoming (formerly known as OCI)
Pacificorp
Rocky Mountain Power
Simpplot Phosphates
Solvay Chemicals
Tata Chemicals
Tronox Alkali (formerly known as FMC)
Westmoreland Coal

Industrial Maintenance & Welding
Brandon Sabey, Solvay
Christian Hesse, Tata
Dave Baker, Tata
Dave Freece, Tata
Dave Ziegler, OCI
Dennis Brady, OCI
Rod Hensley, Rocky Mountain Power
Jim Wagoner, Solvay
Joe Gutierrez, Solvay
John Mortensen, Pacificorp
John Owens, OCI
John Sparks, Pacificorp
JT Price, Church & Dwight
Kurt Surbeck, Anadarko
Matt Vaughn, Black Butte Coal

Michael Shauers, Tronox Alkali (formerly known as FMC)
Mike Moeller, Tronox Alkali (formerly known as FMC)
Paul Moorman, OCI
Paul Parker, Church & Dwight
Percy Mounteer, Tata
Ray Petty, Church & Dwight
Reed Robbins, OCI
Richard Skoocz, Tronox Alkali (formerly known as FMC)
Rod Hensley, PacificCorp
Scott Hobbs, Bridger Coal
Scott Lee, Simplot
Shawn Marshall, Solvay
Tony McCain, Black Butte Coal
Valerie Fieseler, PacificCorp
Kelly Rasmussen, Simplot
Ritchie Antila, Simplot
Chad Brady, Simplot

Natural Gas Compression Technology
Kurt Surbeck, Anadarko
Dwight Schneider, EnCan
Michelle Price, Exterran
Steve Selitz, Ignition Systems
Mark Worrell, Gas Drive
Mike Shuley Hoerbiger Services Inc.
Jess Meeker, JW Power Company
Cory Gale, Questar
Mark Ransdell, Questar
Dan Nichols, Wexpro
David Mares, Wexpro
T.C. Garcia, Williams
Matt Walton, Williams
Brad Long, Wyoming Machinery

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Julie Rodriguez, Carbon County School District #1
Rhiannon Sturgelson, Castle Rock Medical Center
Grant Christiansen, Community Nursing
Joy Bell, Compassionate Journey Home Health
Karen Muto, Deseret Health & Rehab at Rock Springs
Cheri Willard, Evanston Regional Hospital
Teddi Van Kam, Hospice of Sweetwater County
Amber Green, Memorial Hospital of Carbon County
Deborah Gaspar, Memorial Hospital of Sweetwater County
Angie Tynsky, Mission Health Care
Jessie Wilcox, Rocky Mountain Care
Alison Mehle, Rock Mountain Care, Evanston
Kathi Parks, South Lincoln Medical Center
Derek Greenwald, Star Valley Medical Center
Marli Lou Granthom, Sweetwater County School District #1
Michelle Cordova, Sweetwater County School District #2
Melissa Anderson, Sweetwater County Detention Center
Kim Flor, Sweetwater Surgery Center
Pat Arnold, Uinta County Public Health
Lorraine Wester, Uinta County School District #1
Ellen Walker, Uinta County School District #4
Kim Lueck, Uinta County School District #6
Jennifer Stringer, Uinta Home Health and Hospice
Donna Aspuria, Wyoming State Hospital
Tina Crandall, Young at Heart Home Health

Office Information Systems
Alison Arrants, OD, Wyoming Vision Center
Becky Asplund, Pitt Construction
Barndt Moore, Moore-Technology
Brenda Haskins, WWCC
Jana Erickson, Sweetwater County School District #1
Jessie Rosacker, Memorial Hospital of Sweetwater County
Nancy Vonberg, Williams Field Services
Kay Cooley, WWCC and OIS Alumni
Laurie Hood, City of Rock Springs
Melinda Searle, Manpower
Natalie Jorgensen, WWCC and OIS Alumni
Sarah Clark, WWCC
Sheila Simpson, OCI
Vickie Bostick, Tegeler Insurance
Kelley Brown, Sweetwater County School District #1

Oil & Gas - Electrical
Anadarko
BP
Chevron
EnCana
Enterprise Products
Exxon Mobil
LaTech Equipment
Linn Energy
Newfield Production
PCE Pacific
QEP
Questar Pipeline
Shell
Wexpro
Williams Field Service

Oil & Gas Production Technology
Pete Torres, Williams
Reese Platzer Jr., Enterprise Products
Rick Spann, Questar Pipeline
Robert VanRiper, EnCana
Rod Barta, Shell
Shawn Gipson, URS
Steve Christiansen, Questar
Tiffany Burk, Conoco Phillips
Tom Robinson, Linn Energy
Travis Nielson, Williams
Trent Sparks, QED Electric
Troy Rockhill, BP
Will Lux, QEP

Performing Arts
Bruce Duerden, Associate Professor, Lighting Design, Sound Design, Utah State University
Braden Howard, Lighting Designer, BYU-Idaho
Evan Anderson, professional lighting designer
Garrett Johnson, professional sound designer
Shaun Sorensen, Stage manager, Washington State University

Computer Information Systems & Web Development
Bridger Coal
Bureau of Land Management
City of Rock Springs
Elwood Staffing
LR Computer Services
Mountain States Pressure Service, Inc.
Peterbilt of Wyoming
Simplot
Solvay
Sweetwater Technologies
Union Wireless
WyDOT
WyoRadio
## Index

<table>
<thead>
<tr>
<th>2018-2019 Faculty and Administration</th>
<th>156</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Complaints</td>
<td>32</td>
</tr>
<tr>
<td>Academic Forgiveness</td>
<td>29</td>
</tr>
<tr>
<td>Academic Grievance</td>
<td>32</td>
</tr>
<tr>
<td>Academic Honors</td>
<td>28</td>
</tr>
<tr>
<td>Academic Policies</td>
<td>28</td>
</tr>
<tr>
<td>Academic Programs</td>
<td>41</td>
</tr>
<tr>
<td>Academic Standards for Financial Aid Recipients</td>
<td>14</td>
</tr>
<tr>
<td>Academic Standing</td>
<td>28</td>
</tr>
<tr>
<td>Accessibility for Individuals with Disabilities</td>
<td>19</td>
</tr>
<tr>
<td>Accreditation</td>
<td>6</td>
</tr>
<tr>
<td>ACCT - ACCOUNTING</td>
<td>104</td>
</tr>
<tr>
<td>ACE IT Center</td>
<td>24</td>
</tr>
<tr>
<td>Adding Courses</td>
<td>29</td>
</tr>
<tr>
<td>Adjunct Faculty</td>
<td>163</td>
</tr>
<tr>
<td>Administrative Assistant Certificate</td>
<td>44</td>
</tr>
<tr>
<td>Advanced Placement</td>
<td>12</td>
</tr>
<tr>
<td>Advising</td>
<td>9</td>
</tr>
<tr>
<td>Advisory Councils</td>
<td>165</td>
</tr>
<tr>
<td>AFVT - ALT FUEL VEHICLE TECHNOLOGY</td>
<td>104</td>
</tr>
<tr>
<td>Alternative Fuel Vehicle Technology Certificate</td>
<td>44</td>
</tr>
<tr>
<td>Americans with Disabilities Act</td>
<td>19</td>
</tr>
<tr>
<td>ANTH - ANTHROPOLOGY</td>
<td>105</td>
</tr>
<tr>
<td>Anthropology, Associate of Arts</td>
<td>44</td>
</tr>
<tr>
<td>Application for Graduation</td>
<td>34</td>
</tr>
<tr>
<td>Application Software Specialist Certificate</td>
<td>45</td>
</tr>
<tr>
<td>Applied Arts</td>
<td>39</td>
</tr>
<tr>
<td>Appropriate Student Behavior in the Learning Environment</td>
<td>31</td>
</tr>
<tr>
<td>ART - ART</td>
<td>105</td>
</tr>
<tr>
<td>Art Foundation, Associate of Arts</td>
<td>45</td>
</tr>
<tr>
<td>ASL - AMERICAN SIGN LANGUAGE</td>
<td>107</td>
</tr>
<tr>
<td>Assessment</td>
<td>40</td>
</tr>
<tr>
<td>ASTR - ASTRONOMY</td>
<td>107</td>
</tr>
<tr>
<td>Athletics</td>
<td>26</td>
</tr>
<tr>
<td>Attending Class</td>
<td>29</td>
</tr>
<tr>
<td>Auditing Courses (Taking a Credit Course for No Credit)</td>
<td>29</td>
</tr>
<tr>
<td>AUTO - AUTOMOTIVE TECHNOLOGY</td>
<td>107</td>
</tr>
<tr>
<td>Automotive Technology Certificate</td>
<td>46</td>
</tr>
<tr>
<td>Automotive Technology, Associate of Applied Science</td>
<td>46</td>
</tr>
<tr>
<td>BADM - BUSINESS MANAGEMENT</td>
<td>108</td>
</tr>
<tr>
<td>BAS - BASIC SKILLS</td>
<td>108</td>
</tr>
<tr>
<td>Benefits of Honors Program Participation</td>
<td>13</td>
</tr>
<tr>
<td>BIOL - BIOLOGY</td>
<td>108</td>
</tr>
<tr>
<td>Biological Sciences, General, Associate of Science</td>
<td>47</td>
</tr>
<tr>
<td>Biological Sciences, Organic, Associate of Science</td>
<td>47</td>
</tr>
<tr>
<td>Bookstore</td>
<td>25</td>
</tr>
<tr>
<td>BOTK - BUSINESS OFFICE TECH</td>
<td>110</td>
</tr>
<tr>
<td>Business Administration, Associate of Science Degree</td>
<td>48</td>
</tr>
<tr>
<td>Business Information Systems, Application Software Specialist, Associate of Applied Science</td>
<td>49</td>
</tr>
<tr>
<td>Business Information Systems, Associate of Applied Science</td>
<td>49</td>
</tr>
<tr>
<td>Business Information Systems, Digital Media, Associate of Applied Science</td>
<td>50</td>
</tr>
<tr>
<td>Business Information Systems, Medical Administrative Assistant, Associate of Applied Science</td>
<td>50</td>
</tr>
<tr>
<td>Business Management, Associate of Applied Science</td>
<td>51</td>
</tr>
<tr>
<td>BUSN - BUSINESS</td>
<td>110</td>
</tr>
<tr>
<td>Candidates for Certificates</td>
<td>34</td>
</tr>
<tr>
<td>Career Guidance Services</td>
<td>24</td>
</tr>
<tr>
<td>Career Readiness</td>
<td>24</td>
</tr>
<tr>
<td>Certificates and Technical Programs</td>
<td>41</td>
</tr>
<tr>
<td>Change of Grades</td>
<td>31</td>
</tr>
<tr>
<td>Cheating and Plagiarism</td>
<td>29</td>
</tr>
<tr>
<td>CHEM - CHEMISTRY</td>
<td>110</td>
</tr>
<tr>
<td>Chemistry, Associate of Science</td>
<td>52</td>
</tr>
<tr>
<td>Children’s Center</td>
<td>25</td>
</tr>
<tr>
<td>Class Standing</td>
<td>29</td>
</tr>
<tr>
<td>Clerk Typist Certificate</td>
<td>52</td>
</tr>
<tr>
<td>CMAP - COMPUTER APPLICATIONS</td>
<td>111</td>
</tr>
<tr>
<td>CMPT - COMPRESSION TECHNOLOGY</td>
<td>113</td>
</tr>
<tr>
<td>CNSL - COUNSELING</td>
<td>113</td>
</tr>
<tr>
<td>CNTK - CONSTRUCTION TRADES</td>
<td>113</td>
</tr>
<tr>
<td>College with Online Degrees</td>
<td>33</td>
</tr>
<tr>
<td>COMM - COMMUNICATION</td>
<td>113</td>
</tr>
<tr>
<td>Communication, Associate of Arts</td>
<td>53</td>
</tr>
<tr>
<td>Community Education</td>
<td>22</td>
</tr>
<tr>
<td>Computer Course</td>
<td>40</td>
</tr>
<tr>
<td>Computer Science Endorsement Preparation</td>
<td>54</td>
</tr>
<tr>
<td>Computer Science, Associate of Science</td>
<td>53</td>
</tr>
<tr>
<td>Computer Use</td>
<td>32</td>
</tr>
<tr>
<td>COSC - COMPUTER SCIENCE</td>
<td>115</td>
</tr>
<tr>
<td>Costs of Attending</td>
<td>19</td>
</tr>
<tr>
<td>Counseling</td>
<td>24</td>
</tr>
<tr>
<td>Course Fees</td>
<td>19</td>
</tr>
<tr>
<td>Course Loads</td>
<td>29</td>
</tr>
<tr>
<td>Course Numbering System and Prefixes</td>
<td>102</td>
</tr>
<tr>
<td>Course Prerequisites</td>
<td>29</td>
</tr>
<tr>
<td>Courses</td>
<td>29</td>
</tr>
<tr>
<td>Creative Writing Certificate</td>
<td>54</td>
</tr>
<tr>
<td>Credit for Extra-Institutional Learning</td>
<td>10</td>
</tr>
<tr>
<td>Credit Hours</td>
<td>42</td>
</tr>
<tr>
<td>Criminal Justice, Associate of Arts</td>
<td>54</td>
</tr>
<tr>
<td>CRMJ - CRIMINAL JUSTICE</td>
<td>115</td>
</tr>
<tr>
<td>Curriculum</td>
<td>31</td>
</tr>
<tr>
<td>DANC - DANCE</td>
<td>117</td>
</tr>
<tr>
<td>Dance, Entertainment Industry, Associate of Arts</td>
<td>55</td>
</tr>
<tr>
<td>Degree Seeking or Certificate Students</td>
<td>8</td>
</tr>
<tr>
<td>Degrees and Certificates Offered</td>
<td>34</td>
</tr>
<tr>
<td>Departmental Internships</td>
<td>42</td>
</tr>
<tr>
<td>DESL - DIESEL TECHNOLOGY</td>
<td>118</td>
</tr>
<tr>
<td>Developmental Studies/Basic Skills Credit Classes</td>
<td>23</td>
</tr>
<tr>
<td>Diesel and Heavy Equipment Technology, Associate of Applied Science</td>
<td>56</td>
</tr>
<tr>
<td>Diesel and Medium/Heavy Truck Technology, Associate of Applied Science</td>
<td>57</td>
</tr>
<tr>
<td>Diesel Technology Certificate</td>
<td>57</td>
</tr>
<tr>
<td>Diesel Technology, Mining Industry Certificate</td>
<td>57</td>
</tr>
<tr>
<td>Digital Design Technologies Certificate</td>
<td>58</td>
</tr>
<tr>
<td>Directed Interdisciplinary Studies, AA or AS Degree</td>
<td>58</td>
</tr>
<tr>
<td>Directory Information</td>
<td>18</td>
</tr>
<tr>
<td>Distance Learning</td>
<td>42</td>
</tr>
<tr>
<td>Dropping Courses</td>
<td>29</td>
</tr>
<tr>
<td>DVST - DEVELOPMENTAL STUDIES</td>
<td>119</td>
</tr>
<tr>
<td>ECON - ECONOMICS</td>
<td>119</td>
</tr>
<tr>
<td>EDCI - EDUCATION, CURRICULUM &amp; INSTRUCTION</td>
<td>119</td>
</tr>
<tr>
<td>EDEC - EDUCATION EARLY CHILDHOOD</td>
<td>120</td>
</tr>
<tr>
<td>EDEL - EDUCATION ELEMENTARY</td>
<td>120</td>
</tr>
<tr>
<td>EDEX - EDUC EXCP CHILD</td>
<td>120</td>
</tr>
<tr>
<td>EDFD - EDUCATION FOUNDATIONS</td>
<td>120</td>
</tr>
<tr>
<td>EDUC - EDUCATION GENERAL</td>
<td>121</td>
</tr>
<tr>
<td>ELAP - ELECTRICAL APPRENTICESHIP</td>
<td>121</td>
</tr>
<tr>
<td>Electrical and Instrumentation Technology, Associate of Applied Science</td>
<td>56</td>
</tr>
<tr>
<td>Electrical Apprenticeship Certificate</td>
<td>59</td>
</tr>
<tr>
<td>Electrical Maintenance Certificate</td>
<td>76</td>
</tr>
<tr>
<td>Electrical, Instrumentation, Control Technology Certificate</td>
<td>59</td>
</tr>
<tr>
<td>Elementary and Early Childhood Education, Associate of Arts</td>
<td>60</td>
</tr>
<tr>
<td>Elementary and Early Childhood Education, Associate of Science</td>
<td>60</td>
</tr>
<tr>
<td>Emergency Management Certificate</td>
<td>61</td>
</tr>
<tr>
<td>Emergency Medical Services Certificate</td>
<td>62</td>
</tr>
<tr>
<td>Emergency Medical Services Certificate</td>
<td>64</td>
</tr>
<tr>
<td>Emergency Medical Services Certificate</td>
<td>63</td>
</tr>
</tbody>
</table>