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### WWCC Academic Year Calendar 2013-2014

#### 2013 Fall Semester

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<tbody>
<tr>
<td>New Faculty In-Service</td>
<td>August 15, 16, 19 &amp; 20</td>
<td>Thursday - Tuesday</td>
</tr>
<tr>
<td>In-Service</td>
<td>August 21, 22, 23, 26 &amp; 27</td>
<td>Wednesday - Tuesday</td>
</tr>
<tr>
<td>New Student Registration Program</td>
<td>August 26</td>
<td>Monday</td>
</tr>
<tr>
<td>Kick-Off Day</td>
<td>August 27</td>
<td>Tuesday</td>
</tr>
<tr>
<td><strong>Begin Fall Semester</strong></td>
<td><strong>August 28</strong></td>
<td>Wednesday</td>
</tr>
<tr>
<td><strong>Start of: Full-semester classes, A &amp; E</strong></td>
<td><strong>August 28</strong></td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: Full Semester Classes</td>
<td>August 30</td>
<td>Friday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 5-week Block (A)</td>
<td>August 29</td>
<td>Thursday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 8-week Block (E)</td>
<td>August 29</td>
<td>Thursday</td>
</tr>
<tr>
<td>Last Day to Drop: Full Semester Classes</td>
<td>November 1</td>
<td>Friday</td>
</tr>
<tr>
<td>Last Day to Drop: 1st 5-week Block (A)</td>
<td>September 13</td>
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</tr>
<tr>
<td>Last Day to Drop: 1st 8-week Block (E)</td>
<td>September 23</td>
<td>Monday</td>
</tr>
<tr>
<td>Labor Day Holiday</td>
<td>September 2</td>
<td>Monday</td>
</tr>
<tr>
<td><strong>Start of: 12-week Block (D)</strong></td>
<td><strong>September 23</strong></td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: 12-week Block (D)</td>
<td>September 25</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Drop: 12-week Block (D)</td>
<td>November 1</td>
<td>Friday</td>
</tr>
<tr>
<td>End of: 1st 5-week Block (A)</td>
<td>October 1</td>
<td>Tuesday</td>
</tr>
<tr>
<td><strong>Start of: 2nd 5-week Block (B)</strong></td>
<td><strong>October 2</strong></td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 5-week Block (B)</td>
<td>October 3</td>
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</tr>
<tr>
<td>Last Day to Drop: 2nd 5-week Block (B)</td>
<td>October 17</td>
<td>Thursday</td>
</tr>
<tr>
<td>End of: 1st 8-week Block (E)</td>
<td>October 17</td>
<td>Thursday</td>
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<tr>
<td><strong>Mid-Semester</strong></td>
<td><strong>October 17</strong></td>
<td>Thursday</td>
</tr>
<tr>
<td>Fall Break</td>
<td>October 18</td>
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<tr>
<td>Midterm Grades Due (by 11:59pm)</td>
<td>October 21</td>
<td>Monday</td>
</tr>
<tr>
<td><strong>Start of: 2nd 8-week Block (F)</strong></td>
<td><strong>October 21</strong></td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 8-week Block (F)</td>
<td>October 22</td>
<td>Tuesday</td>
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<td>Last Day to Drop: 2nd 8-week Block (F)</td>
<td>November 15</td>
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<td>End of: 2nd 5-wk block (B)</td>
<td>November 5</td>
<td>Tuesday</td>
</tr>
<tr>
<td><strong>Start of: 3rd 5-week Block (C)</strong></td>
<td><strong>November 6</strong></td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: 3rd 5-week Block (C)</td>
<td>November 7</td>
<td>Thursday</td>
</tr>
<tr>
<td>Last Day to Drop: 3rd 5-week Block (C)</td>
<td>November 22</td>
<td>Friday</td>
</tr>
<tr>
<td>Early Registration/Assessment Day –</td>
<td>November 11</td>
<td>Monday</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>November 27, 28, 29</td>
<td>Wednesday - Friday</td>
</tr>
<tr>
<td><strong>End of: Full-semester classes, C, D &amp; F</strong></td>
<td><strong>December 12</strong></td>
<td>Thursday</td>
</tr>
<tr>
<td>Examination Period</td>
<td>December 13, 16, 17</td>
<td>Friday, Monday, Tuesday</td>
</tr>
<tr>
<td>All Grades Due (by noon)</td>
<td>December 18</td>
<td>Wednesday</td>
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*No Activities from December 9 through December 18 without Permission of the President*
<table>
<thead>
<tr>
<th>Event</th>
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<th>Days</th>
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</thead>
<tbody>
<tr>
<td>In-Service</td>
<td>January 6 – 10</td>
<td>Monday - Friday</td>
</tr>
<tr>
<td>New Student Registration Program</td>
<td>January 10</td>
<td>Friday</td>
</tr>
<tr>
<td><strong>Begin Spring Semester</strong></td>
<td>January 13</td>
<td>Monday</td>
</tr>
<tr>
<td><strong>Start of:</strong> Full-semester classes, A &amp; E</td>
<td>January 13</td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: Full Semester Classes</td>
<td>January 15</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 5-week Block (A)</td>
<td>January 14</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Last Day to Add: 1st 8-week Block (E)</td>
<td>January 14</td>
<td>Tuesday</td>
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<tr>
<td>Last Day to Drop: Full Semester Classes</td>
<td>March 28</td>
<td>Friday</td>
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<tr>
<td>Last Day to Drop: 1st 5-week Block (A)</td>
<td>January 29</td>
<td>Wednesday</td>
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<tr>
<td>Last Day to Drop: 1st 8-week Block (E)</td>
<td>February 7</td>
<td>Friday</td>
</tr>
<tr>
<td>Martin Luther King Holiday</td>
<td>January 20</td>
<td>Monday</td>
</tr>
<tr>
<td><strong>Start of 12-week Block (D)</strong></td>
<td>February 10</td>
<td>Monday</td>
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<tr>
<td>Last Day to Add: 12-week Block (D)</td>
<td>February 12</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Drop: 12-week Block (D)</td>
<td>March 28</td>
<td>Friday</td>
</tr>
<tr>
<td>Presidents’ Day Holiday</td>
<td>February 17</td>
<td>Monday</td>
</tr>
<tr>
<td>End of 1st 5-week Block (A)</td>
<td>February 18</td>
<td>Tuesday</td>
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<td><strong>Start of 2nd 5-wk Block (B)</strong></td>
<td>February 19</td>
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<td>Last Day to Add: 2nd 5-week Block (B)</td>
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<td>Last Day to Drop: 2nd 5-week Block (B)</td>
<td>March 6</td>
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<tr>
<td>End of 1st 8-week Block (E)</td>
<td>March 7</td>
<td>Friday</td>
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<tr>
<td><strong>Mid-Semester</strong></td>
<td>March 7</td>
<td>Friday</td>
</tr>
<tr>
<td>Spring Recess</td>
<td>March 10 – 14</td>
<td>Monday - Friday</td>
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<tr>
<td>Midterm Grades Due (by 11:59pm)</td>
<td>March 10</td>
<td>Monday</td>
</tr>
<tr>
<td><strong>Start of 2nd 8-week Block (F)</strong></td>
<td>March 17</td>
<td>Monday</td>
</tr>
<tr>
<td>Last Day to Add: 2nd 8-week Block (F)</td>
<td>March 18</td>
<td>Tuesday</td>
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<tr>
<td>Last Day to Drop: 2nd 8-week Block (F)</td>
<td>April 11</td>
<td>Friday</td>
</tr>
<tr>
<td>End of 2nd 5-week Block (B)</td>
<td>April 1</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Early Registration/Assessment Day – (No Day Classes)</td>
<td>April 1</td>
<td>Tuesday</td>
</tr>
<tr>
<td><strong>Start of 3rd 5-week Block (C)</strong></td>
<td>April 2</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Last Day to Add: 3rd 5-week Block (C)</td>
<td>April 3</td>
<td>Thursday</td>
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<tr>
<td>Last Day to Drop: 3rd 5-week Block (C)</td>
<td>April 17</td>
<td>Thursday</td>
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<tr>
<td>Good Friday - Easter Monday Holidays</td>
<td>April 18 - April 21</td>
<td>Friday - Monday</td>
</tr>
<tr>
<td><strong>End of:</strong> Full-semester classes, C, D &amp; F</td>
<td>May 8</td>
<td>Thursday</td>
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<tr>
<td>Examination Period</td>
<td>May 9, 12, 13</td>
<td>Friday, Monday, Tuesday</td>
</tr>
<tr>
<td>All Grades Due (by noon)</td>
<td>May 14</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Commencement</td>
<td>May 16</td>
<td>Friday</td>
</tr>
</tbody>
</table>

*No Activities from May 5 through May 16 without Permission of the President*
Equal Opportunity

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

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

WWCC History

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

- In September, 1959, forty students enrolled for college credit courses with five full time faculty teaching during the evening. The first classes were held in the Rock Springs High School building.
- In 1960-61, the College moved to Reliance, five miles from Rock Springs, to occupy the former Reliance High School and daytime classes began. In September, 1964, the original district was expanded to include all communities within Sweetwater County, a new Board of Trustees was elected, and the official name of the College became Western Wyoming Community College.
- Consistent growth of the College led to the inauguration of a $1,822,000 building program on October 4, 1966. On November 11, 1967, 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.
- In 2009 Western Wyoming Community College celebrated its 50th Anniversary.
- Student numbers have increased from 40 in 1959 to nearly 6,000 in 2013. These figures include all students – varying ages and interests, enrolled in the credit, non-credit and extension programs. The number of full-time students enrolled for college credit courses has increased to over 1,100, and full-time equivalent students (FTE) has increased to over 2,500.

Western’s Vision Statement

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

Western’s Mission

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

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

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

Western has chosen to enhance this mission statement as follows:

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

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

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

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

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

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

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

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

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

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

Goals/Objectives
• Analyze and improve campus services for different segments of students, and inform all students of the services available.
• Create new and adapt existing targeted marketing efforts in order to reach diverse student populations and to be responsive to annual goals.
• Provide equipment and facilities that are conducive to learning.
• Provide for student life experiences and learning outside the classroom.
• Review and refine the orientation, academic advising, and career counseling programs at Western Wyoming Community College.

Employees are our Most Important Resource
Growth opportunities and recognition are important in creating leaders and professionals and in enhancing employee satisfaction.

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

The Community is Our Partner
We interact with community members, organizations, local business and industry to enrich community life.

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

Adapting to Change Defines Our Future
We must meet the changing needs of our community, students, and employees by encouraging and supporting innovation and informed risk-taking.

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

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

Goals/Objectives
• Value our students, employees and all people with whom we interact, and treat them with respect.
• Adhere to high standards of academic integrity and professionalism. Implement college policies consistently.
• Practice ethical decision-making.
Our Governance and Administration
Western Wyoming Community College is under the control of a locally elected Board of Trustees responsible for governing Western Wyoming Community College District. It is a public, non-profit, tax-supported, co-educational, two-year community college.

**Board of Trustees:**
- **President:** Ms. Shannon Honaker, Rock Springs
- **Vice President:** Mr. George Eckman, Green River
- **Secretary:** Ms. Lynne Chadey, Rock Springs
- **Members:** Mr. Dick Boettcher, Rock Springs
- **Treasurer:** Mr. James Roth, Rock Springs
- **Dr. Tom Spicer, Rock Springs:** Mr. Richard Baxter III, Green River

**Administrative Staff:**
- **President:** Dr. Karla Leach
- **V.P. for Student Success Services:** Dr. Jackie Freeze
- **V.P. for Student Learning: V.P. for Administrative Services:** Mr. Lou Flaim, Mr. Marty Kelsey
- **Assoc V.P. for Admin Services:** Ms. Carla Budd

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

**Accreditation**
Western Wyoming Community College is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges & Schools. Western is one of approximately 200 institutions that participate in the Academic Quality Improvement Program within the Higher Learning Center. The Commission can be reached at:
30 N. LaSalle Street, Suite 2400
Chicago, IL 60602-2504
312-263-0456
http://www.nchigherlearningcommission.org

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

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

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

**Services Available:**
- Registration and advising
- Test Proctoring Services
- Workforce Trainings
- Professional/Continuing Education
- Accommodations for shift workers, Non-traditional, & part-time student
- MSHA Certification
- Evening Courses
- Community Education
- Compressed Video
- Weekend & Flexible Courses
- Conference and Seminar Facilities
- Community/Cultural Events
- High School Dual Enrollment Courses
- Public Computer Kiosks
Outreach Centers

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

The mission of WWCC is to provide courses and programs to educational opportunities throughout Sweetwater, Sublette, Carbon, Lincoln, and Uinta counties. The Distance Education department coordinates credit offerings in Afton, Big Piney, Baggs, Cokevile, Hanna/Elk Mountain, Evanston, Farsom, Kemmerer, Lyman, Mountain View, Pinedale, Rawlins, Saratoga, Wamsutter and their surrounding areas. Each of these communities has a coordinator who initiates and implements the local credit programs.

To meet the varied needs of these students, Western offers courses through a variety of distance education media including internet and compressed video. Credit courses at all sites adhere to the same standards and requirements set by Western Wyoming Community College.

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

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

Western Wyoming Community College Service Area and Outreach Centers

The Western Wyoming College Foundation

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

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

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

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

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

Gifts for the Future

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

**Getting Admitted**

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

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

**Degree or Certificate Students**

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

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

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

3. Whenever possible, submit ACT or SAT test scores. These tests are not required for admission; however, information from the tests can be used to assist the student in educational and vocational planning. They are also required for those students who wish to be considered for academic scholarships (Institutional and State Hathaway) and recommended for those who plan to transfer to a four-year college.

4. Students interested in the Nursing program should contact the Director of the program. In addition to the regular application process, they should also complete the special Nursing program application. Acceptance into the College does not constitute acceptance into the Nursing program. Screening information for the Nursing program is listed later in this catalog.

5. International students must complete additional application requirements listed below.

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

**Non-degree Students**

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

**High School Students**

Juniors and Seniors who wish to take courses for credit are required to submit the High School Registration Form signed by their high school counselor. They should complete any special tests or other admission requirements for individual classes. Exceptional sophomores may also be allowed to take courses. High school students should contact their Guidance Counselor for information about concurrent courses, which are WWCC courses taught at the high schools.

**Non-Credit Students**

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

**Transfer Admission**

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

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

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

6. WWCC does not accept religion courses.

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

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

9. Coursework completed more than ten years ago is subject to review. All credit will transfer and will fulfill general education requirements. Prerequisite courses and courses requiring current knowledge for specialized and technical certificates or degrees will not be accepted. Students may challenge or retake these courses. Examples of specialized or technical requirements include:

a. Degree coursework (i.e. computer science courses for a student receiving an A.S. degree in Computer Science).

b. Any technical or specialized skill course required for a certificate program.

c. Courses requiring current knowledge prior to entry into the Nursing program (i.e. Anatomy and Physiology).

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

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

**International Student Admission**

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

1. WWCC requires documentation of English ability:
   Documentation of English ability is required for all non-U.S. citizens except native English speakers from the United Kingdom, Australia, New Zealand, or non-French speaking Canada. Waivers may be granted for (1) transfer students with demonstrated success in college level English courses or (2) students whose secondary education was taught in English. Contact the Director of Admissions with any questions.

   a. Official SAT score report or TOEFL score of 500 regular / 173 computer / 61 iBT or STEP Eiken Grade 2A or Cambridge ESOL exam or IELTS 5 for regular course enrollment.

   b. Official TOEFL score of 400 regular / 97 computer / 32 iBT or STEP Eiken Grade Pre-2 or Cambridge ESOL exam or IELTS 4 for ESL course enrollment.

2. English as a Second Language

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

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

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

5. Evidence of financial responsibility is also required. Expenses include tuition, fees, books, room and board, and health insurance. It does not include student’s personal expenses or 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 $14,000 (US dollars) must be on the statement.

   b. A $100 non-refundable application fee, and a partially refundable $150 housing deposit (if on-campus housing is requested). Send a bank draft, money order, or American wire transfer payable to Western Wyoming Community College. The student must submit $7,000 to cover first semester costs upon arrival. This amount will be applied toward the first semester’s tuition, room, board, books, health insurance, and other fees.

**All international students must have medical insurance.** Proof of international medical coverage or purchase of the College’s insurance is required. After the applicant has completed the above, an 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 are degree-seeking or full-time are required to take the COMPASS placement test. (Part-time, non-degree seeking students who take math, English, government and several other specific courses must also complete the COMPASS.)

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

**Advising**

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

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

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

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

In order to change advisors, the student must do so officially through Registration Records.
Registration Programs/Orientation

A Registration Program is offered for all new students. It consists of group meetings which address advisement, testing and registration policies and procedures. An online orientation is also available. Information may be obtained from the Student Engagement Office.

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

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

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

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

Military Service Credit

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

Service Members Opportunity College

Western Wyoming Community College is a member of the Servicemembers Opportunity Colleges. As a SOC member, we are committed to easing the transfer of relevant course credits, providing flexible academic residency requirements, and creditizing 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 (ENGL 0950) will not transfer or count toward WWCC transfer degrees.

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

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

Transfer Agreements with Other Institutions

WWCC has transfer articulation agreements with a number of colleges including:

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

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

Credit for Extra-Institutional Learning

Life Experience

Western Wyoming Community College recognizes the viability of “extra-institutional learning”. Extra-institutional learning is defined as learning that is attained outside the sponsorship of legally authorized and accredited post-secondary institutions. The term 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.

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


4. By submitting documentation of formal training to Registration & Records. The College Faculty reviews the material and, if appropriate, makes a recommendation for credit. This process can only be applied to work which corresponds to a specific course offered at Western. To qualify for Life Experience credit, the student must be enrolled at WWCC.

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 anyone who wishes to be tested, however credit will only be transferred to WWCC transcripts for testing candidates with an active WWCC transcript. CLEP exams are administered on an individual basis, and are proctored in the Student Development Center. The Student Development Center should be contacted directly for more information on fees, subject tests, and scheduling. Students can also visit the CLEP website at www.collegeboard.com/CLEP

2. For any subject in which a CLEP Test is not available credit by exam may be an option (see below). Through examination, it is determined if the student’s pro-ficiency is equivalent to that which could be expected upon completion of a college level course in the subject. If the student is found to have this level of proficiency, he/she is awarded credit for that course and allowed to proceed with the more advanced course or with other courses in other areas. The following stipulations apply:

a. To qualify for credit by examination, the student must be enrolled at Western Wyoming Community College. No credit by examination will be 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.

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

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

WWCC accepts AP scores of 3 or higher. 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. 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>4</td>
<td>BIOL 1010 General Biology 1</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
<td>CHEM 1020 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>3</td>
<td>COSC 1200 Comp. Info. Systems</td>
<td>3</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</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>German Language</td>
<td>3</td>
<td>GERM 1010 First Year German 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>Calculus AB</td>
<td>3</td>
<td>MATH 2200 Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3</td>
<td>MATH 2205 Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>Music Theory</td>
<td>3</td>
<td>MUSC 1030 or THEA 1030 &amp; 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>

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

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

- new freshmen with a 25 ACT, or 1700 ACT, or a 3.5 high school GPA
- students with a cumulative 3.25 GPA in 12 or more hours of college-level coursework
- students with instructor permission
- students who are members of the Honors Program

**Becoming a Member of the Honors Program**

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

The following students are eligible to apply for admission to the Honors Program:

- Incoming freshmen with a 25 ACT, or 1700 SAT, or 3.5 high school GPA.
- Students with a cumulative 3.5 GPA in twelve or more hours of college-level coursework
- Students who are nominated by a member of the WWCC faculty (whether or not they meet the above requirements)

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

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

**Benefits and Responsibilities of Honors Program Membership**

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

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

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

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

**Being a WWCC Honors Program Graduate**

Students will be recognized at graduation as WWCC Honors Program graduates if they:

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

**Transferring to Other Honors Programs**

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

**Getting Registered**

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

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

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

**Registration Options**

Students may register through the following methods:

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

**Late Registration**

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

Financial Aid
Responsibility for coordinating all student financial assistance is assigned to the Financial Aid Office. This responsibility includes scholarships, grants, loans, VA benefits, and federal work study. Each student is urged to consider the various financial aid options available.
The types of financial assistance at WWCC include:
- Aid based on assessed financial need
- Academic excellence
- Foundation and Institutional aid

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

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

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

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

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

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

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

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

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

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

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

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

Institutional Aid Programs
Scholarships
WWCC’s academic scholarship program is funded through a combination of resources-including WWCC institutional funds, the state of Wyoming’s Hathaway Scholarship program, and the WWCC Foundation. Scholarships with a specified fund amount are distributed over a two term period and eligibility criteria must be maintained to receive the second scheduled award.

WWCC Superior Student Scholarship: Awarded to students exhibiting academic excellence and requires a minimum GPA of 3.75 and ACT composite of 27, or SAT composite of 1850 (Critical Reading, Math, and Writing) to qualify. A personal interview is required, in addition to a personal essay and two supporting letters of recommendation. These scholarships are awarded for a four-semester period and are intended to provide in-state tuition, books, residence hall suite and limited board. Recipients are required to enroll in one honors course per semester. For continuation, the student must complete 15 credit hours per semester with a minimum GPA of 3.5 and must be enrolled in the Honors Program.
Honors: Awarded to high school seniors for four consecutive semesters. Requires a minimum 3.5 high school GPA and ACT composite of 25. This $4,400 award is an entitlement for students who apply prior to July 1. After that point, out-of-state students no longer qualify and in-state students will receive the $3,200 Hathaway award only. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

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

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

Provisional Opportunity: Stipend awarded to high school seniors for four consecutive semesters. Requires a minimum 2.0 high school GPA and ACT composite of 17 or Workkeys score of 12. This $1,600 award is available only to in-state students majoring in occupational areas. For continuation, students must complete 12 credit hours per semester with a 2.25 GPA.

Sweetwater County High School Graduate Scholarship: Stipend awarded to students that graduated from a Sweetwater County high school in 2006 or after. This scholarship must be initialized within two years of graduation from high school. The $2,000 a year stipend requires that applicants file the FAFSA, complete the application process for admission to WWCC, and attend WWCC full-time. The FAFSA must be received and completely processed by the last day to add full semester courses. For continuation, students must complete 12 or more credit hours per semester with a 2.5 GPA.

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

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

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

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

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

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

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

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

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

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

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

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

Academic Standards for Financial Aid Recipients
Students who receive financial assistance at Western Wyoming Community College through Federal, State, or Institutional Financial Aid Programs have a legal responsibility to maintain satisfactory progress towards a degree objective. This requires the Financial Aid Office to determine whether applicants are eligible for financial assistance based on their prior academic record, whether or not they received aid. These guidelines represent minimal standards. They do not necessarily coincide with the requirements students must fulfill to initially receive aid nor the number of credits a student is expected to earn in order to complete an associates degree in two years’ time. Students will be considered in good standing and eligible to receive financial assistance at WWCC if maintaining normal academic progress towards their degree as required by Federal, State, and Institutional regulations and the following policies and conditions.
Duration of Eligibility: Students will be eligible for financial assistance for a specified number of credit hours not to exceed 150% of the credit hours needed to complete the average academic program at WWCC. All transfer and attempted credit hours will be counted in determining the quantitative measure of satisfactory academic progress. The maximum number of credit hours allowed for the Associate of Art, Science and Applied Science Degrees is 96. This is 150% of the 64 credits needed to complete these degrees. Based on 80 credit hours needed for the Associate of Fine Arts Degree, 120 credit hours are the maximum a student can attempt and maintain Satisfactory Academic Progress for this degree. Based on the 72 credit hours needed for the Associate of Nursing Degree, 108 credit hours are the maximum a student can attempt and maintain satisfactory academic progress for this degree.

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

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

<table>
<thead>
<tr>
<th>Status</th>
<th>Enrolment</th>
<th>Successfully Completed Credits</th>
<th>Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satisfactory</td>
<td>12 or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warning</td>
<td>6-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspension</td>
<td>0-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satisfactory</td>
<td>9 or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warning</td>
<td>6-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspension</td>
<td>0-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satisfactory</td>
<td>6-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspension</td>
<td>0-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Note: Students on academic scholarships should make themselves aware of the maintenance hours and grade point average required for their scholarships.
Refunds and Repayments for Students with Scholarship, Title IV Grant, or Title IV Loan

1. A student who is in default or owes a refund to any institution 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. Return of Title IV Funds: If the student described in (3) above is due a refund of payment made to Western Wyoming Community College for tuition and fees, housing, or board, such refund will be assigned to Title IV and scholarship categories in accordance with Federal and Institutional policy. Within the scholarship category, repayments to the respective funds will be made in the same proportion as awards were received from those funds. Within the Title IV category, repayments will be prioritized with repayment first to the Direct Loan program, Perkins and any other Title IV aid loan account, then successively (if funds remain) to the Pell Grant. No repayment to a fund may exceed the amount the student received from that fund. Any unassigned refund will be paid to the student.

5. Overpayments: If the student described above received Title IV Grant and scholarship funds in excess of tuition, book allowance, housing, and board payments made to Western Wyoming Community College, such excess constitutes an overpayment to the student if it exceeds the standard living cost allowance for the student’s period of attendance. If an overpayment has been made, the student will be billed for repayment of that amount. Within the scholarship category, repayments to the respective funds will be made in the same proportion as awards were received from those funds. Within the Title IV category, repayments will be prioritized with repayment successively to the Pell Grant fund, SEOG fund, and the LEAP fund. No repayment to a fund may exceed the amount the student received from that fund.

Verification Policies and Procedures for Federal Student Aid Applications

1. Conditions requiring verification
   An applicant will be required to verify, or validate by documentation, application information if the application is selected for verification in the federal processing and edit system. An application may also be selected for verification if the Financial Aid Office has reason to believe that any application information critical to the calculation of the student’s expected family contribution is inaccurate.

2. Notice of verification requirement
   If an application is selected for verification, the Financial Aid Office will give the applicant timely written notice of the fact. The notice will specify what items of information must be verified, will detail what documents and procedures are required for verification, will specify the time period within which the applicant shall provide the required documentation, and will advise the applicant of the consequences of the applicant’s failure to comply within the specified period.

3. Deadline for submission of verification documents
   While the time period granted the applicant for completion of required documentation may vary with the complexity of the requirements and with the time remaining in the school term for which funding is sought, the deadline for submission of verification documents must be at least 30 days prior to the end of the school term for which funding is sought, to allow for processing (and correction if needed) before the end of the term to be funded.

4. Consequences of failure to comply with verification requirements
   Should the applicant fail to provide required documentation within the specified time period, the Financial Aid Office must consider the application invalid, and the applicant will forfeit eligibility for assistance from the federal Title IV, and any other, student aid programs for the program year for which the invalid application was filed.

5. Notice of results of verification
   If the verification documents provided within the specified time period confirm the accuracy of all application items requiring verification, the application is finalized and, if all other requirements have been met, an award letter is sent to the applicant. If the verification documents reveal inaccuracies in the application, the Financial Aid Office will resubmit corrected data to the federal processor. If incomplete or inadequate verification documents are submitted, the applicant is notified of deficiencies and instructed how to correct them. The applicant will be notified of his/her eligibility or non-eligibility by letter.

6. Fraudulent application information
   Should review of an application for Title IV student aid indicate that the applicant may have engaged in fraud or other criminal misconduct in connection with his/her application, the Financial Aid Office must refer for investigation all relevant information to the Office of the Inspector General of the U.S. Department of Education. Examples of such information include false claims of independent student status, false claims of citizenship, use of false identities, forgery of signatures or certificates, and false statements of income.

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

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

Wyoming Vietnam Veterans
   The Wyoming legislature has passed legislation providing 10 semesters of free in-state tuition for Vietnam Veterans who attend the University of Wyoming or any Wyoming community college. A Vietnam Veteran is defined as any person who:

   1. Was in active service with the military forces of the United States and received a Vietnam service medal between August 5, 1964 to May 7, 1975; and

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

   3. Has been a resident of Wyoming for not less than one (1) year.
Veterans may not be receiving any educational benefits funded through the Veteran’s Administration to receive this tuition program.

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

**Wyoming Overseas Combat Veteran’s Waiver**

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

**Veterans’ Satisfactory Progress Guidelines**

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

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

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

**Student Rights**

**Privacy Rights of Students (FERPA)**

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

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

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

1. Right to inspect and review educational records within 45 days of the day the request is received. Submit your request in writing to Registration Records. Please be sure to identify all records you wish to review. Only records originating at Western Wyoming Community College will be copied for the student. We will not copy transcripts from other schools, or other information, originating elsewhere.
2. Right to seek to amend educational records. If you think that something in your file is inaccurate, you may make a written request to have that record changed. Supporting documentation must be provided. We will notify the student in writing when the decision is made whether the record will be amended.
3. Right to have some control over the disclosure of information from educational records except to the extent that FERPA authorizes disclosure without consent. WWCC officials with legitimate educational interests may view a student’s records. This includes student or Board of Trustees members of disciplinary or grievance committees.
4. Right to file a complaint with the U.S. Department of Education concerning alleged failures by WWCC to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are:

**Family Policy Compliance Office**

U.S. Department of Education

400 Maryland Ave., SW

Washington, DC 20202-4605

**Directory Information**

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Address(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone Number(s)</td>
<td>E-mail Address</td>
</tr>
<tr>
<td>Major</td>
<td>Full-time or Part-time</td>
</tr>
</tbody>
</table>
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Equal Opportunity and Affirmative Action
Western Wyoming Community College is an Affirmative Action/Equal Opportunity institution and as such, does not discriminate on the basis of race, color, national origin, sex, age, religion, handicap status, disabled veteran, or veteran of the Vietnam era in admission or access to, or treatment of employment in, its educational programs or activities. Inquiries concerning Title VI, TITLE IX Section 504 may be referred to the Associate V.P. for Administrative Services, WWCC Administrative Offices, P.O. Box 428, Rock Springs, WY 82902-0428, (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) 717-6218.

Americans with Disabilities Act
Western Wyoming Community College is in compliance with all 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 by calling 382-1609. To obtain student services, contact the Disability Support Services Specialist in the Student Development Center, or by calling 382-1806. Individuals who believe they have been treated unfairly or unlawfully under the provisions of this Act should contact the College’s Associate V.P. for Administrative Services, who serves as the ADA Compliance Coordinator.

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

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

Costs of Attending

<table>
<thead>
<tr>
<th>Estimated Annual Cost</th>
<th>In-state</th>
<th>WUE*</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition &amp; Required Fees</td>
<td>$2,282</td>
<td>$3,218</td>
<td>$6,074</td>
</tr>
<tr>
<td>Books &amp; Supplies</td>
<td>$1,500</td>
<td>$1,500</td>
<td>$1,500</td>
</tr>
<tr>
<td>Board (10-meal plan)</td>
<td>$1,936</td>
<td>$1,936</td>
<td>$1,936</td>
</tr>
<tr>
<td>Average Room (on-campus)</td>
<td>$2,146</td>
<td>$2,146</td>
<td>$2,146</td>
</tr>
<tr>
<td>Estimated Annual Expense</td>
<td>$7,864</td>
<td>$8,800</td>
<td>$11,656</td>
</tr>
</tbody>
</table>

*Western Undergraduate Exchange (WUE) (p. 21)

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

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

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

Per Semester

Residents of Wyoming
Full-time (12 hours or more) | $1,141
Part-time (11 hours or less) | $96/hr

Out of State
Full-time (12 hours or more) | $3,037
WUE State Residents (Full-time) | $1,609
Part-time Out-of-State
(11 hours or less) | $254/hr
Part-time (WUE) | $135/hr

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

In-State: $79/hr
Out of State: $237/hr
WUE: $118/hr

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

Fees attached to individual courses are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>All courses*</td>
<td>20</td>
</tr>
<tr>
<td>ART 1000</td>
<td>General Art*</td>
<td>7</td>
</tr>
<tr>
<td>ART 1120</td>
<td>Design: 3D*</td>
<td>30</td>
</tr>
<tr>
<td>ART 1150</td>
<td>Photography I*</td>
<td>14</td>
</tr>
<tr>
<td>ART 1160</td>
<td>Photography II*</td>
<td>14</td>
</tr>
<tr>
<td>ART 1310</td>
<td>Sculpture I*</td>
<td>80</td>
</tr>
<tr>
<td>ART 2050</td>
<td>Life Drawing*</td>
<td>15</td>
</tr>
<tr>
<td>ART 2090</td>
<td>Printmaking*</td>
<td>10</td>
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<tr>
<td>ART 2120</td>
<td>Graphic Design I*</td>
<td>10</td>
</tr>
<tr>
<td>ART 2130</td>
<td>Graphic Design II*</td>
<td>10</td>
</tr>
<tr>
<td>ART 2410</td>
<td>Ceramics I*</td>
<td>35</td>
</tr>
<tr>
<td>ART 2420</td>
<td>Ceramics II*</td>
<td>45</td>
</tr>
<tr>
<td>ART 2430</td>
<td>Ceramics III*</td>
<td>50</td>
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<tr>
<td>ART 2440</td>
<td>Ceramics IV*</td>
<td>60</td>
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<tr>
<td>ART 2445</td>
<td>Ceramics Studio*</td>
<td>60</td>
</tr>
<tr>
<td>ART 2485</td>
<td>Special Projects in Ceramics*</td>
<td>60</td>
</tr>
<tr>
<td>AUTO</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>BAS</td>
<td>All courses*</td>
<td>5</td>
</tr>
<tr>
<td>BIOL</td>
<td>All lab courses *</td>
<td>35</td>
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<tr>
<td>BIOL 2080</td>
<td>Psychobiology*</td>
<td>22</td>
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<tr>
<td>BIOL 1210</td>
<td>Wyoming Flora*</td>
<td>30</td>
</tr>
<tr>
<td>BIOL 1220</td>
<td>Birding*</td>
<td>30</td>
</tr>
<tr>
<td>BOTK</td>
<td>All courses*</td>
<td>25</td>
</tr>
<tr>
<td>CHEM</td>
<td>All lab courses*</td>
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<tr>
<td>CMAP</td>
<td>All courses*</td>
<td>25</td>
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<td>CMPT</td>
<td>All courses*</td>
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<tr>
<td>COMM 2300</td>
<td>Graphic Design I*</td>
<td>10</td>
</tr>
<tr>
<td>COMM 2330</td>
<td>Graphic Design II*</td>
<td>10</td>
</tr>
<tr>
<td>COSC</td>
<td>All courses*</td>
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<td>DESL</td>
<td>All courses*</td>
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<td>ELAP 1515-</td>
<td>Elec. Apprenticeship I-VIII*</td>
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<td>ELAP 1585</td>
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<td>ELTR</td>
<td>All courses*</td>
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<tr>
<td>ENGL 1010</td>
<td>English Composition I*</td>
<td>26</td>
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<tr>
<td>ES 1000</td>
<td>Orient to Engineering*</td>
<td>25</td>
</tr>
<tr>
<td>ES 1060</td>
<td>Engineering Computing*</td>
<td>20</td>
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<tr>
<td>ES 1070</td>
<td>Solid Modeling I*</td>
<td>35</td>
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<tr>
<td>ES 2230</td>
<td>Computer Aided Drafting*</td>
<td>35</td>
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<tr>
<td>ES 2240</td>
<td>Adv. Comp. Aided Drafting*</td>
<td>35</td>
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<td>GEOL</td>
<td>All lab courses*</td>
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<tr>
<td>HLED 1225</td>
<td>First Aid &amp; CPR*</td>
<td>18</td>
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<td>HLTK 1650</td>
<td>Adv. CPR/AED for Professionals*</td>
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<tr>
<td>INDM</td>
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<tr>
<td>MCH</td>
<td>All courses*</td>
<td>20</td>
</tr>
<tr>
<td>MOA</td>
<td>All courses*</td>
<td>25</td>
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<tr>
<td>MOLB 2210</td>
<td>General Microbiology*</td>
<td>35</td>
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<tr>
<td>MUSC</td>
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<td>NRS 1510</td>
<td>Cert. Nurse Assistant*</td>
<td>21</td>
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<td>NRS 1555</td>
<td>Practical Nursing I*</td>
<td>27</td>
</tr>
<tr>
<td>NRS 1565</td>
<td>Practical Nursing II*</td>
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<td>NRS 1575</td>
<td>Practical Nursing III*</td>
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<td>NRS 1610</td>
<td>Nursing I*</td>
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<td>NRS 1620</td>
<td>Nursing II*</td>
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<td>Nursing III*</td>
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<td>Nursing IV*</td>
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<td>OSGT</td>
<td>All Courses*</td>
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<tr>
<td>PEAC</td>
<td>All outdoor courses</td>
<td>10</td>
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<tr>
<td>PEAC 1015</td>
<td>Beginning Skin &amp; Scuba*</td>
<td>90</td>
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<tr>
<td>PEAC 1021</td>
<td>Beginning Kayaking*</td>
<td>80</td>
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<tr>
<td>PEAC 1029</td>
<td>Core Board (GRC)*</td>
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<tr>
<td>PEAC 1050</td>
<td>Beginning Tennis*</td>
<td>10</td>
</tr>
<tr>
<td>PEAC 1254</td>
<td>Snowboard Riding*</td>
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<td>PEAC 1258</td>
<td>Downhill Skiing I*</td>
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<td>PEAC 1260</td>
<td>Beginning Volleyball*</td>
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</tr>
<tr>
<td>PEAC 1264</td>
<td>Beginning Softball*</td>
<td>10</td>
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<tr>
<td>PEAC 1280</td>
<td>Fly Fishing I*</td>
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<tr>
<td>PEAC 1287</td>
<td>Rock Climbing I*</td>
<td>20</td>
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<tr>
<td>PEAC 1290</td>
<td>Physical Conditioning*</td>
<td>15</td>
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<tr>
<td>PEAC 1297</td>
<td>Whitewater Rafting*</td>
<td>54</td>
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<tr>
<td>PEAC 1320</td>
<td>Big Game Habitat Skills*</td>
<td>75</td>
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<td>PEAC 2012</td>
<td>Advanced Scuba Diving*</td>
<td>90</td>
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<td>PEAC 2017</td>
<td>Water Safety Instructor*</td>
<td>25</td>
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<td>PEAC 2018</td>
<td>Lifeguard Training*</td>
<td>25</td>
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<td>PEAC 2072</td>
<td>Advanced Volleyball*</td>
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<td>PEAC 2088</td>
<td>Rock Climbing II*</td>
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<td>PEAC 2280</td>
<td>Fly Fishing II*</td>
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<tr>
<td>PSYC 2000</td>
<td>Research Psych Methods*</td>
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<td>Psychology*</td>
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<td>TECH 1550</td>
<td>General Metallurgy*</td>
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<td>TECH 1600</td>
<td>Industrial Safety*</td>
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<td>Course Code</td>
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<td>Credit Hours</td>
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<td>TECH 1680</td>
<td>Reading Technical Schematics*</td>
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<td>WELD 1710</td>
<td>Oxyacetylene Welding</td>
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<td>Oxyacetylene Cutting</td>
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<td>Shielded Metal Arc Welding</td>
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<td>Adv. Shielded Metal Arc Weld</td>
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<td>Gas Metal Arc Welding</td>
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<tr>
<td>WELD 1774</td>
<td>GMAW - Pipe</td>
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<tr>
<td>WELD 1776</td>
<td>FluxCored Arc Welding</td>
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<td>WELD 1780</td>
<td>Gas Tungsten Arc Welding</td>
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<tr>
<td>WELD 1840</td>
<td>Groove Welding Plate</td>
<td>112</td>
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<tr>
<td>WELD 1860</td>
<td>Welding Fabrication</td>
<td>80</td>
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<td>WELD 1950</td>
<td>SMAW Stainless Steel Basic</td>
<td>112</td>
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<td>WELD 1960</td>
<td>Submerged Arc Welding</td>
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<tr>
<td>WELD 2510</td>
<td>Pipe Welding I: Sch 40 Pipe</td>
<td>120</td>
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<td>WELD 2520</td>
<td>Pipe Welding II: Sch 80 Pipe</td>
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<tr>
<td>WELD 2530</td>
<td>Downhill Pipe Welding</td>
<td>120</td>
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<tr>
<td>WELD 2540</td>
<td>Pipe Layout &amp; Fabrication</td>
<td>90</td>
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<tr>
<td>WELD 2630</td>
<td>Welding for the Arts I</td>
<td>55</td>
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<tr>
<td>WELD 2635</td>
<td>Welding for the Arts II</td>
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<td>WELD 2650</td>
<td>Gas Tungsten Arc - Pipe</td>
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<td>Stainless Steel Pipe Welding</td>
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<td>WELD 2670</td>
<td>Welding Inspect. Tech</td>
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<tr>
<td>WELD 2810</td>
<td>Welding Testing Training</td>
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</table>

* non refundable

**Distant Learning**

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

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

**Outreach Exceptions to Fees**

ART 1150 Evanston* 25
ART 2410 Afton 0
BAS, All Courses Rawlins 0
CMAP Afton, Big Piney, Medicine Bow, Mountain View, Lyman, Encampment, Saratoga, Hanna, Elk Mountain 0
COSC 1200 Mountain View, Lyman, Saratoga 0
HLTK 1650 Afton* 7
MUSC 2073 Afton* 10
MUSC Applied Courses, Afton 0
PEAC 1273 Afton 0
WELD Afton, Mountain View, Lyman 0

**Other Charges**

Access Card Replacement* 20
Adult Basic Education* 10
Auditing Classes (per semester hour) 96, 135, or 254
Campus Locker Fees
  - Large Locker* 5
  - Small Locker* 3
COMPASS (mailing, processing, retake) 10
Credit by Exam/Extra-Inst Credit NC
Directed Study Course fee 75/hr
Graduation Fee $15/degree or certificate (cap & gown additional) ($45 max)
Green River Piano Usage 30
MUSC App Music Conc w/ App. lesson (1/2 of the cost) 5
Outdoor Equipment Rental Fee 48
Pottery, Non-credit (Initial Fee)* Each additional lb. of clay (Paid in $10 increments) 80
Residence Hall Activity Fee* 5
Residence Hall Computer Fee* 7.50
Swimming Pool Fees
Semester Fees for Non-students (including College Employees)
  - General Pass (individual) 40/semester
  - General pass (family) 70/semester
  - Per Session Admission 2.00
  - Punch Passes (10) 20.00
  - Students (show I.D.) Transcripts Free
  - Wellness Center Students 15/semester
  - Employees Free
  - Community Members 50/semester
  - Testing Fees

**Western Undergraduate Exchange Program and WUE**

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

Workforce Development

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

Community Education

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

Swimming Pool Fees

Semester Fees for Non-students (including College Employees)
- General Pass (individual) $40
- General pass (family) $70
- (1/2 price during Summer)

Per Session Admission for everyone $2.00

Guidelines for Waiving Course Fees for Outreach

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

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

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

Refunds

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

Calendar Days from Date Semester-Long Courses Begin:
- 1 to 10 days inclusive 80%
- 11 to 20 days inclusive 60%
- 21 to 30 days inclusive 40%
- 31 days or more 0%

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

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

Residency Classification

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

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

Classification Procedures:

1. Residence classification shall be initiated for each student at the time the application for admission is accepted and whenever a student has not been in attendance for more than one semester. All students must respond to the residency question on the application for admission. Students wishing to request a review of the residency decision must submit documentation along with the “Initial Residency” decision or the “Change of Residency” form to the Registrar in Registration & Records.
2. Only individuals or their legal dependents who are U.S. citizens or are in an immigrant status and certain nonimmigrants may qualify for residency.
3. Nonimmigrants and their dependents, who possess a valid visa from the U.S. Citizenship and Immigration Services with a classification of Temporary Workers or Intracompany 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:

- 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;
- An individual who can provide written verification that he/she has lived in Wyoming continuously for one year prior to enrolling;
- A legal dependent under the age of 24, or a spouse of a resident of the State of Wyoming who qualified as a resident based upon this policy;
- 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 stationary, 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 Registration & Records.

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

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

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

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

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

Human Development
These courses are offered at both college-prep and college levels. They are offered in either the classroom or in the Learning Center. The two-credit College Studies (HMDV 1000) course is designed to provide students with the skills needed to become a master student. Topics covered in the course include study skills, learning styles, note taking, testing taking, and efficient use of library resources. Also explored in the course are topics that encourage personal awareness and growth such as personality assessments, career assessments, communication skills and diversity issues.

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

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

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

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

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

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

Testing
The ACE IT Center administers the following tests: Nurse Entrance Test (TEAS-V), Practical Nurse General Achievement Profile (LPN-STEP), and the Certified Professional Secretary Exam (CPS). The ACE IT Center also administers exams for the College Level Examination Program (CLEP), which provides college credit for previous learning. Tests are scheduled on an individual basis.

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

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

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

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

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

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

Services for Students with Disabilities
The Student Development Center will assist in obtaining appropriate services, on campus and 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 Disability Support Services program in the SDC. A confidential, private appointment should be scheduled with the Disability Support Services Specialist by calling the Student Development Center at (307) 382-1806.

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

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

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

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

The seven residence halls are all fully furnished, ADA accessible and are conveniently located on or near all college facilities. Total capacity is 552.

The following options are presently available:

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

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

Western Wyoming Community College has organized its housing program to accomplish the following:

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

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

Inquiries should be directed to the Residence Halls Office.

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

**Children’s Center**

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

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

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

**Student Insurance**

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

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

**Bookstore**

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

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

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

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

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

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

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

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

**Hay Library**

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

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

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

All residents of Wyoming may check out library materials.

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

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

**Library Hours:**

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

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

**Instructional Media Center**

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

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

**Student Organizations and Activities**

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

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

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

**Athletics**

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

**Western Alumni**

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

**Lifelong Learning**

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

**Professional/Continuing Education:** Professional and continuing education classes and activities provide job skills necessary to remain in or advance in the workforce. These include a variety of classes, customized contract training, testing, workshops, conferences, seminars, and on-line classes. CEUs (Continuing Education Units) or college credit may be awarded upon successful 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 tries to make its facilities available to the public for meetings and events. The instructional programs of the College must, of course, take precedence. Interested persons can contact Registration Records or the Green River Center. Fees may be assessed for custodial, security and facilities use.
ACADEMIC POLICIES

General Academic Policies

Academic Honors

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

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

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

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

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

Academic Standing

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

Academic standing will appear on a student’s transcript.

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

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

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

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

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

5. **Appeals** — Students who wish to appeal their suspension based on extenuating circumstances may do so through the Registrar in Registration Records. For example, the Registrar may allow students to return to take developmental coursework. Students not satisfied with that officer’s ruling may appeal to the Vice-President of Student Success Services.
**Academic Forgiveness**

A student returning to Western Wyoming Community College after a minimum five year absence and after completing two full-time semesters, or the equivalent (24 credit hours), with a minimum 2.00 cumulative grade point average may request to have an entire block (at least one full semester) of courses removed from the calculation of grade point average and degree credit. This is a one time option. All classes remain on the student’s permanent transcript but are removed from grade point average and credit calculations.

**Attending Class**

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

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

**Missing Class Because of an Emergency**

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

**Cheating and Plagiarism**

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

Because of the nature of certain specialized programs (i.e., health science students deal with the safety and well-being of hospital patients), cheating and plagiarism may result in not only an “F” in the course, but immediate dismissal from the program. Specific procedures are 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 Registration Records or the VP for Student Success Services at the time of registration. No student may enroll for more than 22 hours without petitioning for approval from his/her faculty advisor, the Registrar, VP for Student Success Services, or the VP for Student Learning. Overload fees are charged for over 21 hours.

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

**Courses**

**Adding Courses**

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

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

**Auditing Courses (Taking a Credit Course for No Credit)**

A student may audit any WWCC course. However, a student receives neither credit nor grade for the course. After the first three days of class, a student taking a course for audit may not change the registration to credit, and a student taking a course for credit may not change the registration to audit. The cost for auditing a course is the same as taking a course for credit.

**Course Prerequisites**

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

**Dropping Courses**

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

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

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

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

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

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

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

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

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

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

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

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

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

Grades

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>W</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>S</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>U</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>AU</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>NG</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% of the work.

- It is the student’s responsibility to initiate this process, but an Incomplete is assigned solely at the instructor’s discretion.
- Student must be passing the course with a “C” or better at the mid-point of the course.
- Incomplete coursework must be completed by the end of the following semester. Instructor can renew an Incomplete for an additional semester at his/her discretion. The student, however, must initiate the request for an extension before the deadline.
- If the work is not satisfactorily completed by the designated deadline, the “I” will revert to the grade of “F.”
- Incompletes must be completed with the instructor who issued the original grade.

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

S/U Grades
All Western Wyoming Community College courses have been approved for “S/U” grading. The student may opt to take any course for “S/U” by simply telling the instructor of their choice. The instructor will explain the requirements for satisfactory completion of the course.

“S/U” grades may not be applied toward graduation at WWCC except when prior approval has been obtained through curriculum committee to use the course. The option is available only for those who are taking a course for general
enrichment or brush-up. It is not intended to be a part of a degree program. Students should also be aware the "S/U" grades generally do not transfer.

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

### Grade Point Average

The grade point average serves as one means of indicat-ing 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>
</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 trans-ferring from a college on the quarter credit hour system, take two-thirds (2/3) of the number of quarter hours earned to figure the equivalent number of semester hours. Transfer work is not computed into a student’s grade point average at WWCC.

### Change of Grades

Grades may be changed for the following reasons:

1. If a mistake has been made in the computing or recording of a grade for any student, that student should ask his/her instructor to submit to the Vice-President of Student Learning a completed change of grade form. With the V.P.’s approval, the student’s record will then be corrected by Registration Records. Only one subsequent semester is allowed for grade changes. After that time, the grade stands as original-ly given.

   **Under no circumstances will changes be made after the close of the following semester.**

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

### Grade Reports

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

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

### Scheduling

#### Curriculum

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

#### Shift Workers

The College has a variety of methods to accommodate shiftworkers’ schedule. Internet courses, technical courses that meet multiple times in the same day, and open-entry welding or computer courses are particularly appropriate. In addition, many regularly scheduled courses can accommodate a changing schedule, but the student should check with the instructor. Many instructors post their assignments online and have students submit homework online or via e-mail. Also, a number of instructors record their classes and post these podcasts online. These technologies help a shiftworker/student stay up with a course when they cannot attend. Overall, the shiftworker/student is responsible for coming to class when their work schedule permits and for keeping up with the course and its deadlines.

### Standards of Student Conduct

The College requires its students to conform to federal, state and local laws, as well as regulations set forth by the Western Wyoming Community College Board of Trustees. The College has regulations concerning a student’s individual conduct at the College, with other students and with College property. The regulations are to insure proper and responsible conduct for the benefit and safety of all. See College Policies and Procedures on Western’s website, 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 www.wwcc.wy.edu under Current Students, Student Policies and Procedures. The policy and procedure provides for a step-by-step process for addressing concerns. A full copy of the process can also be found in the Student Handbook, hardcopy or online.

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

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

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

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

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

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

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

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

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

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

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

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

Transcripts should generally be sent directly to other colleges or universi-ties, job sites, etc. Official transcripts can be given directly to the student and are marked Issued To Student. Students will be issued unofficial transcripts for their own use.
GRADUATION, DEGREES, AND GENERAL EDUCATION

Graduation Information

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

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

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

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

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

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

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

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

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

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

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

The student must have:

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

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

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

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

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

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

- Attendance at the graduation ceremony is required whether a student completes requirements in Summer, Fall, or Spring. Students with conflicts may simply write a letter, explaining the conflict, to be excused.
- Students pay a per diploma/certificate fee and the direct cost of caps and gowns. Students will be notified of the cost. Students who are excused from attendance or do not complete graduation requirements will still owe 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, 25-28 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

General Education Requirements:

English (ENGL 1010 & ENGL 1020, ENGL 1111, or ENGL 2010) 6 credits

Students must achieve a “C” or better grade in each course.

United States Government 3 credits

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

Social Science 6 credits

Health & Human Activity 2 credits

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

Science and Mathematics 7-9 credits

Computer Course 3 credits

Eligible courses: CMAP 1705, CMAP 1750, CMAP 1800, CMAP 1905, COSC 1010, COSC 1200, ES 1060, IMGT 2400, ITEC 2360

Assessment 0-1 credits

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

Total General Ed. Requirements 36-39 credits

Major Area Coursework Electives 25-28 credits

Total Hours Required 64 credits minimum

- The cumulative Western Wyoming Community College grade point average must be a 2.00 or better in order to graduate.
- Generally no courses taken from WWCC for “S/U” grades may be used as hours for graduation, except CLEP credit by exam, military credit, and approved graduation S/U courses.
- No coursework numbered less than 1000 will be applicable to the Associate of Arts Degree (example: ENGL 0950).
- A maximum of six hours of studies or workshops (2490, 2495, 2990, or 2995) coursework may be applied toward the Associate of Arts Degree (example: HIST 2490).
- A maximum of four hours of internship allowable toward graduation.
- At least 14 hours of coursework must be completed through Western Wyoming Community College.
Requirements for the Associate of Science Degree
Every student must complete a minimum of 64 semester hours of credit. Of these 64, 26-27 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

General Education Requirements:

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

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

Social Science, Humanities, & Applied Arts 9 credits
Students must complete at least one course from two of the areas listed above.

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

Science and Mathematics 14 credits
One course must be a lab science course from the biology, geology, chemistry, or physics areas with a “C” or better grade. If a second lab science course is taken it must also be a “C” or better grade. One course must be a college level (1000+) mathematics course with a “C” or better grade.

Computer Course 3 credits
This course may be chosen from programming or applications courses only.

Eligible courses: CMAP 1705, CMAP 1750, CMAP 1800, CMAP 1905, COSC 1010, COSC 1200, ES 1060, IMGT 2400, ITEC 2360

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

Total General Education Requirements 37-38 credits

Major Area Coursework, Electives 26-27 credits

Total Hours Required 64 credits minimum

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

There are several Associate of Science Degrees which require specific courses to fulfill the requirements for the degree. The degree is listed with the major on the student's transcript and diploma. The degrees are:

- A.S. in Accounting
- A.S. in Computer Information Systems
- A.S. in Business Administration
- A.S. in Exercise Science
- A.S. in Marketing

Requirements for the Associate of Fine Arts Degree
Every student must complete a minimum of 76 semester hours of credit. The major will appear on the diploma. Departmental course requirements are very specific and must be completed as listed.

Approved majors in the Associate of Fine Arts Degree:
- Musical Theatre
- Technical Theatre
- Visual Arts: 2D

Course requirements can be found in the Visual & Performing Arts section (p. 95) of Programs of Study.

Requirements for the Associate Degree in Nursing
Every student must complete the 3 year (6 or 7 semester) program, totaling 73-74 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.

Course requirements can be found in the Health Sciences section (p. 59) of Programs of Study.
Requirements for the Associate of Applied Science Degree

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

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

General Education Requirements:
- **English** 6 credits
  Students must complete ENGL 1010 & ENGL 1020, ENGL 1111 or ENGL 2010. Students must receive a "C" or better grade in each course.
- **United States Government** 3 credits
  Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, or HIST 1251. State law requires students to successfully complete a course in the United States and Wyoming Constitution. Students must receive a "C" or better grade.
- **Social Science, Humanities, Applied Arts** 3 credits
  Students must complete one course from one of the three areas above.
- **Computer Course** 3 credits
  This course may be chosen from programming or applications courses only.
  Eligible courses: CMAP 1705, CMAP 1750, CMAP 1800, CMAP 1905, COSC 1010, COSC 1200, ES 1060, IGMT 2400, ITEC 2360
- **Health & Human Activity** 2 credits
  Students may select courses from activity courses (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.
- **Science and/or Mathematics** 3-4 credits
  Students must complete a college level math or lab science course. "C" or better grade required in the lab science course.
- **Assessment** 0-1 credit
  Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific capstone course, Assessment Portfolio (HMDV 2410), the online MyFolio, or by attending the designated Assessment Day (both transcripted as HMDV 2411).

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

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

Electives 6-8 credits

Total General Education Requirements 20-22 credits

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

- Students may use a maximum of five hours of less than 1000 level coursework for electives (example: ENGL 0950).
- No courses taken from WWCC for "S/U" grades may be used for hours for graduation, except CLEP, credit by exam, military credit, and S/U courses approved for graduation.
- A maximum of six hours of studies or workshops (2490, 2495, 2990, or 2995) coursework may be applied toward the Associate of Applied Science Degree (example: WELD 2995).
- At least 14 hours of coursework must be completed through Western Wyoming Community College.
- A maximum of six hours of internship allowable toward graduation.
Western has developed a curriculum that integrates the College’s five Goals for Student Success. These goals focus on strengthening student skills to solve problems both critically and creatively, to consider multiple perspectives, to retrieve relevant information, to communicate clearly, and to develop life skills that promote health and well-being. These skills are embedded in most WWCC courses, but the general education courses required in every Associate degree are designed to emphasize these skills.

The specific general education requirements vary for each Associate degree. See requirements for each Associate degree and policies (p. 33) 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 2013-2014 catalog. Courses taken previously may not be listed though may count towards graduation.

### 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 2010 TECHNICAL WRITING 3

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

### United States Government

**Degree Requirements**

C or better grade required for US Government.

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

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

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

### Social Science

**Degree Requirements**

**Anthropology**  
ANTH 1100 INTRODUCTION TO PHYSICAL ANTHROPOLOGY 4  
ANTH 1200 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3

ANTH 1300 INTRODUCTION TO ARCHAEOLOGY 3  
ANTH 2200 WORLD ETHNOGRAPHY 3  
ANTH 2210 NORTH AMERICAN INDIANS 3  
ANTH 2310 ARCHAEOLOGY FIELD METHODS: 1-4

ANTH 2311 PREHISTORIC ARCHAEOLOGY FIELD METHODS 1-4  
ANTH 2312 HISTORICAL ARCHAEOLOGY FIELD METHODS 1-4

**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 2460 POLITICAL CRIME 3  
CRMJ 2550 CRIMINAL INVESTIGATION I 3  
CRMJ 2560 CRIMINAL INVESTIGATION II 3

CRMJ 2580 CRISIS INTERVENTION MANAGEMENT 3  
CRMJ 2590 DRUGS & CRIMINAL JUSTICE 3

**Economics**

ECON 1010 MACROECONOMICS 3  
ECON 1020 MICROECONOMICS 3

**Education**

EDCI 1000 EDUCATION EXPERIENCE PROSPECTIVE TCHRS 2

EDEC 1020 INTRODUCTION TO EARLY CHILDHOOD EDUCATION 3

EDED 1025 EARLY CHILDHOOD PRACTICUM 1  
EDEL 1410 MATH FOR ELEMENTARY SCHOOL TEACHERS I 1

EDEL 2410 MATH FOR ELEMENTARY SCHOOL TEACHERS II 1

EDEX 2484 INTRODUCTION TO SPECIAL EDUCATION 3

EDFD 1010 FIELD EXPERIENCE 2  
EDFD 2020 FOUNDATIONS OF EDUCATION 3  
EDFD 2100 EDUCATIONAL PSYCHOLOGY 3  
EDFD 2451 LIFE SPAN: ADULTHOOD 1

EDUC 2100 PRACTICUM IN TEACHING I 1

EDUC 2110 PRACTICUM IN TEACHING II 1

**Geography**

G&R 1000 INTRODUCTION TO GEOGRAPHY 3

G&R 1050 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  
PEPR 2120 INTRO TO EXERCISE PHYSIOLOGY 4  
PEPR 2130 FITNESS LEADERSHIP TRAINING I 3

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

**History**

HIST 1110 WESTERN CIVILIZATION I 3  
HIST 1120 WESTERN CIVILIZATION II 3

HIST 1211 US HISTORY I: TO 1865 3  
HIST 1221 US HISTORY II: FROM 1865 3

HIST 1251 WYOMING HISTORY 3
HIST 1290   HISTORY OF THE US WEST     3
HIST 1340   SWEETWATER COUNTY HISTORY     2
HIST 1410   INTRODUCTION TO AMERICAN HISTORY     3
HIST 2050   INTRODUCTION TO PUBLIC HISTORY     3
HIST 2080   HOLOCAUST     3
HIST 2290   HISTORY OF AMERICAN INDIANS     3
HIST 2310   AMERICAN WOMEN'S HISTORY     3
HIST 2389   HISTORY OF WOMEN IN THE AMERICAN WEST     3

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

Home Economics
HOEC 1140   NUTRITION     3

HOEC 1140: Course fulfills more than one requirement but may only be counted once.

Political Science
POLS 1000   AMERICAN & WYOMING GOVERNMENT     3
POLS 1200   NON-WESTERN POLITICAL CULTURES     3
POLS 2000   CURRENT ISSUES IN AMERICAN GOVT     3
POLS 2128   TERRORISM     3
POLS 2310   INTRO TO INTERNATIONAL RELATIONS     3
POLS 2470   INTERNSHIP: POLITICAL SCIENCE     1-4
POLS 2471   INTERNSHIP: POLITICAL SCIENCE II     1

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

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

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

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

Humanities

Degree Requirements
Art
ART 1000   GENERAL ART     3
ART 2010   ART HISTORY I     3
ART 2020   ART HISTORY II     3

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

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

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

History
HIST 1110   WESTERN CIVILIZATION I     3
HIST 1120   WESTERN CIVILIZATION II     3

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

Humanities
HUMN 1010   INTRO TO HUMANITIES     3
HUMN 1090   FEMININE MYTHOLOGY     3
HUMN 2460   FIELD STUDIES IN HUMANITIES:     2
HUMN 2486   WESTERN AMERICAN STUDIES SEMINAR:     3

Library Science
LIBS 2280   LITERATURE FOR CHILDREN     3

Music
MUSC 1000   INTRO TO MUSIC     3
MUSC 2051   INTRODUCTION TO THE MUSIC OF WORLD     3
MUSC 2050   MUSIC HISTORY SURVEY I     3
MUSC 2055   MUSIC HISTORY SURVEY II     3

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

Theatre
THEA 1000   INTRO TO THEATRE     3
THEA 1120   AMERICAN MUSICAL THEATRE     3
THEA 1120   HISTORY & LIT     3

General Education | 37
Applied Arts

Degree Requirements
Art

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Communications

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Theatre

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

Health and Human Activity

Degree Requirements

Physical Activity Courses

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Course fulfills more than one requirement but may only be counted once.
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**THEA 1440** MODERN DANCE I/II  2  
**THEA 1450** TAP DANCE  1  
**THEA 2450** TAP DANCE II  1  
**THEA 1480** JAZZ DANCE I  2  
**THEA 2480** JAZZ DANCE II  2  
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**THEA 2420** BALLET I/II  3  
**THEA 2430** MODERN DANCE I/II  3  
**THEA 2440** MODERN DANCE II/II  3  

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

**Health /Fitness/Nutrition**
HLED 1003  WELLNESS  3  
HOEC 1140  NUTRITION  3  
HLED 1003 and HOEC 1140: Course fulfills more than one requirement but may only be counted once.

**Laboratory Science**
C or better grade required for Lab Science course for all Associate degrees. Associate of Science students taking more than one lab science course must have a C or better in at least two lab science courses.

**Degree Requirements**

**Biology**
BIOL 1002  DISCOVERING SCIENCE  4  
BIOL 1003  CURRENT ISSUES IN BIOLOGY  4  
BIOL 1010  GENERAL BIOLOGY  4  
BIOL 2010  HUMAN ANATOMY & PHYSIOLOGY I  4  
BIOL 2010  HUMAN ANATOMY & PHYSIOLOGY II  4  
BIOL 2022  ANIMAL BIOLOGY  4  
BIOL 2023  PLANT AND FUNGAL BIOLOGY  4  
BIOL 2080  PSYCHOBIOLOGY  4  
MOLB 2210  GENERAL MICROBIOLOGY  4  

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

(May not count both BIOL 1003 and BIOL 1010)

**Chemistry**
CHEM 1000  INTRODUCTORY CHEMISTRY  4  
CHEM 1020  GENERAL CHEMISTRY I  4  
CHEM 1030  GENERAL CHEMISTRY II  4  
CHEM 2230  QUANTITATIVE ANALYSIS  5  
CHEM 2320  ORGANIC CHEMISTRY I  4  
CHEM 2340  ORGANIC CHEMISTRY II  4  

(May not count both CHEM 1000 AND CHEM 1020)

**Geology**
GEOL 1100  PHYSICAL GEOLOGY  4  
GEOL 1200  HISTORICAL GEOLOGY  4  
GEOL 2150  GEOMORPHOLOGY  4  

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

**PSYC 2080**

Psychobiology

4

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

**Additional Science Courses for Associate of science students**

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

**Mathematics**

**Degree Requirements**

Lab science, mathematics and statistics courses not used to fulfill initial requirements may also be used as additional math and science courses.

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

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1000</td>
<td>Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1100</td>
<td>Number &amp; Operations Elem</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>School Tchrs</td>
<td></td>
</tr>
<tr>
<td>MATH 1105</td>
<td>Data, Probability, Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elem Tchrs</td>
<td></td>
</tr>
<tr>
<td>MATH 1400</td>
<td>PreCalculus Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1405</td>
<td>PreCalculus Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2200</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 2205</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 2210</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MATH 2250</td>
<td>Elementary Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2310</td>
<td>Applied Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2350</td>
<td>Business Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2355</td>
<td>Business Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Statistics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 2010</td>
<td>Business Statistics</td>
<td>4</td>
</tr>
<tr>
<td>STAT 2050</td>
<td>Fundamentals of Statistics</td>
<td>4</td>
</tr>
<tr>
<td>STAT 2070</td>
<td>Statistics for Soc Science</td>
<td>4</td>
</tr>
</tbody>
</table>

**Computer Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1010</td>
<td>Introduction to Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>Computer Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Engineering**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 1060</td>
<td>Intro to Engineering Computing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Information Management**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMGT 2400</td>
<td>Introduction to Information Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Instructional Technology**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEC 2360</td>
<td>Teaching with Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Assessment**

**Degree Requirements**

**Course Listing**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 2800</td>
<td>Business Portfolio/Capstone</td>
<td>2</td>
</tr>
<tr>
<td>BOKT 2800</td>
<td>Ois Portfolio/Capstone</td>
<td>2</td>
</tr>
<tr>
<td>COSC 2800</td>
<td>Computer Science Portfolio/Capstone</td>
<td>2</td>
</tr>
<tr>
<td>HMDV 2410</td>
<td>Assessment Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>HMDV 2411</td>
<td>Assessment Requirement</td>
<td></td>
</tr>
</tbody>
</table>

CMAP 2895 and THEA 2500 do not fulfill the Assessment requirement for graduation.

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**Computer Course**

**Degree Requirements**

**Computer Applications**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMAP 1705</td>
<td>Word Processing Applications:</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1750</td>
<td>Spreadsheet Applications:</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1800</td>
<td>Database Applications:</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1905</td>
<td>Integrated Applications:</td>
<td>3</td>
</tr>
</tbody>
</table>

CMAP 1850-1890: CMAP 2600-2895 do not fulfill the computer course requirement for graduation.
## YOUR EDUCATION AFTER WESTERN

### Completing a Bachelors or Masters Without Leaving Home

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

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

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

### 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></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

#### Franklin University

Western has an agreement with Franklin University allowing a Western (WWCC) graduate with an Associate of Science degree to complete a bachelor’s degree online in a number of areas. WWCC graduates take additional coursework both from Western (WWCC) and from Franklin University to complete a bachelor’s degree, checking this site will provide you with additional information on obtaining a free preliminary evaluation.

**WWCC Contact:** Dr. Doug Bunn, dbunn@wwcc.wy.edu

**Franklin University Contact:** Thom Leiter, 614-947-6057

#### Kaplan University

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

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

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

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

#### Mayville State University

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

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

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

#### National American University

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

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

#### Regis University

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

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

**WWCC Contact for Education majors:** Aaron Jensen, 307-382-1776

**Regis Contact for Education majors:** Karen Cooley, M.A. 970-613-2203

**Regis Contact for Online Programs:** Charlotte Farr, 800-944-7667

#### Ashford University

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

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

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

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

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

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

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

3. **Transfer Guide:** The Transfer Guide lists all the courses that transfer from the 7 Wyoming Community Colleges to UW. It lists equivalent courses and transfer courses. Equivalent courses have the same name and number at all 8 institutions. Transfer courses transfer to UW even though they may not be taught at all colleges or at UW. The Guide also lists all of UW’s general education requirements (University Studies Program) and which courses meet those requirements. All advisors and Registration & Records have copies of the Transfer Guide.

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

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

UW's University Studies courses can be found at http://uwadmnweb.uwyo.edu/unst/
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 Fine Arts, Associate of Nursing, or Associate of Science degree. Most courses within this area may be transferred to four-year colleges and universities toward completion of the Bachelor of Arts or Bachelor of Science degrees. The Associate of Fine Arts may be obtained in Art, Musical Theatre, and Technical Theatre.

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

**Business:**
- Accounting (p. 48)
- Business Administration (p. 49)
- Computer Info. Systems (p. 50)
- Marketing (p. 52)

**Health:**
- Exercise Science (p. 65)
- Nursing (p. 57)
- Pre-Dental Hygiene (p. 63)
- Pre-Dentistry (p. 64)
- Pre-Medicine (p. 64)
- Pre-Nursing (BSN) (p. 64)
- Pre-Pharmacy (p. 64)
- Pre-Physical Therapy (p. 64)
- Pre-Radiology (p. 62)

**Humanities:**
- Communication (p. 66)
- English (p. 67)
- Journalism (p. 68)
- Spanish (p. 68)
- Western American Studies (p. 69)

**Mathematics & Science:**
- Biology (p. 70)
- Chemistry (p. 70)
- Engineering (p. 71)
- Environmental Science (p. 72)
- Geology (p. 72)
- Mathematics (p. 73)
- Pre-Forestry (p. 73)
- Pre-Rangeland Ecology and Watershed Management (p. 74)
- Pre-Veterinary (p. 64)
- Pre-Wildlife Biology (p. 75)

**Social Science:**
- Anthropology (p. 75)
- Archaeology (p. 76)
- Criminal Justice (p. 76)
- Education (Elementary, Secondary, Early Childhood) (p. 56)
- History (p. 77)
- International Studies (p. 78)
- Political Science (p. 79)
- Pre-Law (p. 79)
- Psychology (p. 80)
- Social Science (p. 80)
- Social Work (p. 81)
- Sociology (p. 81)

**Visual & Performing Arts:**
- Art (p. 95)
- Ceramics (p. 96)
- Dance (p. 96)
- Music (p. 97)
- Musical Theatre (p. 98)
- Technical Theatre (p. 100)
- Theatre (p. 100)

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

**Associate of Applied Science**
- Automotive Technology (p. 82)
- Diesel and Heavy Equipment Mechanics (p. 84)
- Electrical & Instrumentation Technology (p. 85)
- Industrial Maintenance (p. 88)
- Industrial Health & Safety (p. 88)
- Law Enforcement (p. 78)
- Medical Office Assistant (p. 53)
- Mining Maintenance Technology (p. 90)
- Natural Gas Compression Technology (p. 91)
- Office Information Systems (p. 52)
- Oil & Gas Production Technology (p. 92)
- Supervision & Leadership (p. 55)
- Welding Technology (p. 93)

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

- Accounting (p. 48)
- Administrative Assistant (p. 54)
- Alternative Fuel Vehicle Technology (p. 82)
- Automotive Technology (p. 82)
- Clerk-Typist (p. 54)
- Creative Writing (p. 67)
- Diesel & Heavy Equipment Technology (p. 84)
- Diesel Technology (p. 84)
- Diesel Technology, with CDL (p. 84)
- Digital Design Technologies (p. 51)
- Electrical Apprenticeship (p. 86)
- Electrical Mine Maintenance (p. 90)
- Electrical/Instrumentation/Control Tech. (p. 85)
- Emergency Management (p. 77)
- English As A Second Language (p. 57)
- Fitness Leadership (p. 65)
- Industrial Maintenance (p. 86)
- Industrial Safety (p. 88)
- Journalism (p. 68)
- Maintenance Mechanic for Industry (p. 88)
- Medical Office Assistant (p. 54)
- Mine Maintenance (p. 90)
- Natural Gas Compression Technology (p. 91)
- Oil & Gas Production Operator (p. 92)
- Power Plant Maintenance (p. 86)
- Practical Nursing (p. 57)
Professional/Continuing Education and Workforce Training Programs

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

Distance Learning

Distance Learning at Western Wyoming Community College meets the needs of students within our 5-county area and beyond. The Distance Learning Department works with campus and the WWCC Outreach sites to provide credit courses for all students. To find your closest outreach site, go to Outreach Centers (p. 8). The distance courses consist of on-site courses in the outreach, online and compressed-video.

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

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

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

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

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

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

Internships

Purpose of the Internship Experience

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

Credit Hours

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

General Guidelines

Course Number

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

Supervision

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

Eligibility/Prerequisites

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

Grading

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

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

Registration

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

**Departmental Internships**

**Purpose**
Internships provide students with an opportunity to evaluate their probable career or college major by working in that career with a local industry or business. Typically, a student is recommended for an internship after they have completed one year of courses.

Internships in the technical areas (Technology and Industry or Office Information Systems) may also provide part-time employment as well as practical professional experience. Afterwards many of these students are hired full-time and complete their AAS while working for a local company. At Western, freshmen or sophomores can take advantage of these opportunities while at most universities; students must be juniors or more often seniors.

During internships, students can interact with professionals in the 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 classwork, recreation, work, and family lie with each individual.
Course Numbering System
Courses at Western Wyoming Community College are identified by a set of numbers and letters. The letters are abbreviations that are listed below. The set of 4 numbers indicates the level of the course: 1000s are freshman, 2000s are sophomore and 0000s are non-transferable courses.

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

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

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

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

Science & Mathematics
ASTR Astronomy
BIOL Biology
CHEM Chemistry
ENTO Entomology
ES Engineering (Gen.) & Tech.
GEOL Geology
MATH Mathematics
PHYS Physics
REWM Rangeland Ecol & Watershd Mgt
RNEW Renewable Resources
STAT Statistics

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

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

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

The first digit in each number indicates whether the course is designed primarily for freshman (in which the number is a 1 as in ENGL 1010) or for sophomores (in which the number is 2 as in ENGL 2010) or for non-transferable courses (in which the number is a 0 as in ENGL 0950).

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General Studies

General Studies Emphasis AA Degree

A program recommended for the student who is unsure of his/her major

This suggested program is designed for the student who intends to transfer to a four-year baccalaureate program, but who has not selected a specific major area of study. This program is also designed to meet the needs of students in the WWCC outreach service area.

This program should provide for completion of most general education requirements at surrounding four-year institutions as well as meet WWCC Associate of Arts requirements. Students should be aware of WWCC general education requirements as they select options in this program. See the General Education section (p. 36) for specific courses that fulfill the General Education requirements.

See Associate of Arts degree requirements (p. 33) for more information.

Degree Requirements

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

First Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
OR
ENGL 1111  ADVANCED COMPOSITION  3
OR
ENGL 2010  TECHNICAL WRITING  3
LAB SCIENCE  4
HUMANITIES/APPLIED ARTS  3
HEALTH & HUMAN ACTIVITY  1
ELECTIVE  5
Subtotal: 16

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

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

Total of 64 credits minimum required, 2.00 cumulative GPA

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

A program recommended for the student who is unsure of his/her major.

This suggested program is designed for the student who intends to transfer to a four-year baccalaureate program, but who has not selected a specific major area of study. This program is also designed to meet the needs of students in the WWCC outreach service area.

This program should provide for completion of most general education requirements at surrounding four-year institutions as well as meet WWCC Associate of Science requirements. Students should be aware of WWCC general education requirements as they select options in this program. See the General Education section (p. 36) for specific courses that fulfill the General Education requirements.

See Associate of Science degree requirements (p. 34) for more information.

### Degree Requirements

#### First Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
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<td>BIOL 1010</td>
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<tr>
<td>MATH 1220</td>
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<td>COMPUTER APPLICATIONS COURSE</td>
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**Subtotal:** 16-17

#### First Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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<td>ENGL 1020</td>
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<td>OR</td>
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</tr>
<tr>
<td>ENGL 2010</td>
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</tr>
<tr>
<td>SOCIAL</td>
<td>3</td>
</tr>
<tr>
<td>SCIENCE/HUMANITIES/APPLIED ARTS</td>
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<td>US GOVERNMENT</td>
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<td>ELECTIVE</td>
<td>3</td>
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</table>

**Subtotal:** 16

#### Second Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>3-4</td>
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<tr>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<tr>
<td>ELECTIVE</td>
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**Subtotal:** 16-17

#### Second Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>SOCIAL</td>
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<tr>
<td>SCIENCE/HUMANITIES/APPLIED ARTS</td>
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<td>ADDITIONAL SCIENCE/MATH</td>
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<td>ELECTIVE</td>
<td>8</td>
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<tr>
<td>ASSESSMENT COURSE</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal:** 16-17

### Business

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

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

**Online Business Degrees:** Business degrees can be completed through online course work. The WWCC website will provide more information.

Students seeking an online degree are strongly encouraged to:

1. Complete the online learning course (HMDV 1025) prior to beginning their online program.
2. Select a business faculty advisor for their degree area while seeking an online degree.

### Accounting

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

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

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

### Accounting AS Degree

#### Degree Requirements

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010</td>
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<td>ECON 1010</td>
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<tr>
<td>BADM 1000</td>
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<tr>
<td>MATH 1400</td>
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<td>HEALTH &amp; HUMAN ACTIVITY</td>
<td>1</td>
</tr>
<tr>
<td>COMPUTER COURSE</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 17

**MATH 1400 or higher**

Electives must be transfer level courses that preferably relate to the student’s future educational plans. (Suggestions: additional Math or Science, Communications, or Advanced Writing Courses)

Students may require developmental coursework in math and English before entry into program requirements. If so, these hours do not count towards the minimum 64 credits needed to meet degree requirements.

**Total Credit Hours:** 64-67
Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3
OR
ENGL 1111  ADVANCED COMPOSITION  3
OR
ENGL 2010  TECHNICAL WRITING  3
ECON 1020  MICROECONOMICS  3
COMM 1010  PUBLIC SPEAKING  3
OR
APPLIED ARTS ELECTIVE  3
BUSINESS ELECTIVE  3
LABORATORY SCIENCE  4
HEALTH & HUMAN ACTIVITY  1
Subtotal: 17

Sophomore Year - Fall Semester
ACCT 2010  PRINCIPLES OF ACCOUNTING I  3
BUSINESS ELECTIVE  6
US GOVERNMENT  3
MATH OR LAB SCIENCE  3-4
Subtotal: 15-16

Sophomore Year - Spring Semester
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3
ACCT 2210  ACCOUNTING INFORMATION SYSTEMS  3
BUSINESS ELECTIVE  6
MATH OR LAB SCIENCE  3-4
BADM 2800  BUSINESS PORTFOLIO/ CAPSTONE  2
OR
ASSESSMENT REQUIREMENT  0-1
Subtotal: 15-18

Accounting Certificate
Degree Requirements
First Semester
ENGL 1020  ENGLISH COMPOSITION I  3
BOTK 1520  BUSINESS MATHEMATICS  3
OR
MATH 1400  PRECALCULUS ALGEBRA  4
ACCT 2010  PRINCIPLES OF ACCOUNTING I  3
CMAP 1750  SPREADSHEET APPLICATIONS:  3
ACCT 2210  ACCOUNTING INFORMATION SYSTEMS  3
Subtotal: 15-16

BOTK 1520 = 3 credits
MATH 1400 = 4 credits

Second Semester
ENGL 2010  TECHNICAL WRITING  3
IMGT 2400  INTRODUCTION TO INFORMATION MANAGEMENT  3
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3
BUSINESS ELECTIVE  3
CMAP 1705  WORD PROCESSING APPLICATIONS:  3
COMM 1030  INTERPERSONAL COMMUNICATION  3
Subtotal: 18

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

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

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

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

Business Administration AS Degree
Degree Requirements
Freshman Year - Fall Semester
MATH 1400 or higher
ENGL 1010  ENGLISH COMPOSITION I  3
ECON 1010  MACROECONOMICS  3
BADM 1000  INTRODUCTION TO BUSINESS  3
MATH 1400  PRECALCULUS ALGEBRA  4
COMPUTER COURSE  3
HEALTH & HUMAN ACTIVITY  1
Subtotal: 17

Notes:
• Students must complete all of the courses listed above with a “C or better” in order to receive the A.S. Degree in Accounting
• Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. Degree in Accounting. Other recommended MATH courses include MATH 2200, MATH 2350, STAT 2010 or STAT 2050.
• Business electives may be selected from any of the catalog listed business courses with the following prefixes: ACCT (not used for major), BADM, BUSN, CMAP 1905, ECON, FIN, MGT, or MKT.
• Students should research the institution where they plan to obtain their bachelor’s degree to determine business course requirements and should choose from Western courses accordingly.

Total Credit Hours: 64-68
Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II  3  
OR
ENGL 1111  ADVANCED COMPOSITION  3  
OR
ENGL 2010  TECHNICAL WRITING  3  
ECON 1020  MICROECONOMICS  3  
BUSINESS ELECTIVE  3  
LAB SCIENCE  4  
US GOVERNMENT  3  
Subtotal: 16

Sophomore Year - Fall Semester
ACCT 2010  PRINCIPLES OF ACCOUNTING I  3  
COMM 1010  PUBLIC SPEAKING  3  
OR
APPLIED ARTS ELECTIVE  3  
BUSINESS ELECTIVE  6  
MATH OR LAB SCIENCE  3-4  
HEALTH & HUMAN ACTIVITY  1  
Subtotal: 16-17

Sophomore Year - Spring Semester
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3  
MGT 2100  PRINCIPLES OF MANAGEMENT  3  
OR
MARKETING  3  
FIN 2100  MANAGERIAL FINANCE  3  
OR
BUSINESS ELECTIVE  6  
MATH OR LAB SCIENCE  3-4  
BADM 2800  BUSINESS PORTFOLIO/ CAPSTONE  2  
OR
ASSESSMENT REQUIREMENT  0-1  
Subtotal: 15-18

Notes:
• Students must complete all of the courses listed above with a "C" or better in order to receive the A.S. degree in Business Administration.
• Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. Degree in Business Administration. Other recommended MATH courses include MATH 2200, MATH 2350, STAT 2010 and STAT 2050.
• Business electives may be selected from any of the catalog listed business courses, not already used for major, with the following prefixes: ACCT, BADM, BUSN, CMAP 1905, ECON, FIN, MGT, or MKT.
• Students should research the institution where they plan to obtain their bachelor's degree to determine business course requirements and should choose from Western courses accordingly.

Total Credit Hours: 64-68

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

Computer Information Systems AS Degree

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

 Sophomore Year - Fall Semester
ACCT 2010  PRINCIPLES OF ACCOUNTING I  3  
MATH 2200  CALCULUS I  5  
COSC 2409  PROGRAMMING (VISUAL BASIC)  3  
COSC 1010  INTRODUCTION TO COMPUTER SCI I  4  
COMPUTER SCIENCE ELECTIVE  3  
LAB SCIENCE  4  
HEALTH & HUMAN ACTIVITY  1  
US GOVERNMENT  3  
Subtotal: 18

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

Sophomore Year - Spring Semester
HUMANITIES/APPLIED ARTS  3  
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3  
COSC 1030  COMPUTER SCIENCE I  4  
COSC 2800  COMPUTER SCIENCE  2  
PORTFOLIO/CAPSTONE  2  
Subtotal: 20

COSC 1030, Computer Science Electives: Required for A.S. Degree in Computer Information Systems
Computer Science Electives: For graduation requirements
Computer Science electives include any Computer Science courses, including IMGT 2400, not otherwise required for major
Total Credit Hours: 68-70

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
- COSC 1200 COMPUTER INFORMATION SYSTEMS 3
- COSC 2409 PROGRAMMING (VISUAL BASIC) 3
- COSC 1350 WEB DEVELOPMENT I 3
- COSC 2350 WEB DEVELOPMENT II 3
  OR
- CMAP 1890 WWW AUTHORING: DREAMWEAVER 1-3
- CMAP 2600 COMPUTER GRAPHICS: PHOTOSHOP 1-3
- COSC 2360 WEB PAGE DYNAMICS & SCRIPTING 3
  OR
- CMAP 1875 DIGITAL MULTIMEDIA DESIGN: FLASH & FIREWORKS 3

Subtotal: 18

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

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

Total Credit Hours: 18

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

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

This certificate is also an excellent “minor” for students to include in many other disciplines, from business to art to communication to engineering to science. The certificate will teach students to create digital content for a digital world. Obtaining a certificate in Digital Design Technologies will give students an edge that others may not have - experience creating digital content and knowledge of and experience with the industry standard digital design software programs.

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

Degree Requirements

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

Second Semester
- CMAP 1870 DIGITAL ILLUSTRATION DESIGN: 3
- CMAP 1865 DIGITAL PAGE LAYOUT DESIGN: 3
- CMAP 1875 DIGITAL MULTIMEDIA DESIGN: FLASH & FIREWORKS 3
  OR
- COSC 2360 WEB PAGE DYNAMICS & SCRIPTING 3

Third Semester
- CMAP 1890 WWW AUTHORING: DREAMWEAVER 1-3
  OR
- COSC 2350 WEB DEVELOPMENT II 3
- CMAP 1885 DIGITAL DESIGN PUBLISHING: 1
- CMAP 2895 DIGITAL DESIGN TECHNOLOGIES CAPSTONE 1

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

Total Credit Hours: 20
Marketing

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

Marketing AS Degree

Degree Requirements
Freshman Year - Fall Semester
ENGL 1010  ENGLISH COMPOSITION I  3
BADM 1000  INTRODUCTION TO BUSINESS  3
ECON 1010  MACROECONOMICS  3
COLLEGE LEVEL MATH  3-4
COMPUTER COURSE  3
HEALTH & HUMAN ACTIVITY  1
Subtotal: 16-17

BADM 1000 and ECON 1010: Required courses to receive A.S. in Marketing degree.

Freshman Year - Spring Semester
ENGL 1020  ENGLISH COMPOSITION II OR  3
ENGL 2010  TECHNICAL WRITING OR  3
ENGL 1111  ADVANCED COMPOSITION  3
ECON 1020  MICROECONOMICS  3
MKT 1300  ADVERTISING  3
LABORATORY SCIENCE  4
US GOVERNMENT  3
Subtotal: 16

ECON 1020 and MKT 1300: Required courses to receive A.S. in Marketing degree.

Sophomore Year - Fall Semester
ACCT 2010  PRINCIPLES OF ACCOUNTING I  3
COMM 1010  INTRODUCTION TO SPEAKING  3
BUSINESS ELECTIVE  6
LAB SCIENCE OR COLLEGE LEVEL MATH  3-4
HEALTH & HUMAN ACTIVITY  1
Subtotal: 16-17

ACCT 2010: Required courses to receive A.S. in Marketing degree.

Sophomore Year - Spring Semester
ACCT 2020  PRINCIPLES OF ACCOUNTING II  3
MKT 2100  MARKETING  3
BUSINESS ELECTIVE  6
LAB SCIENCE OR COLLEGE LEVEL MATH  3-4
BADM 2800  BUSINESS PORTFOLIO/ CAPSTONE  2
ASSESSMENT REQUIREMENT  0-1
Subtotal: 16-18

Subtotal: 16

Notes:
• Students must complete all of the courses listed above with a “C” or better in order to receive the A.S. degree in Marketing
• Precalculus Algebra (MATH 1400) is the minimum level math course required for A.S. degree in Marketing.
• Business electives may be selected from any of the catalog listed business courses, not already used for major courses, with the following prefixes: ACCT, BADM, BUSN, CMAP (1905 only), ECON, FIN, MGT, or MKT.
• Students should research the institution where they plan to obtain their bachelor’s degree to determine business course requirements and should choose from Western courses accordingly.

Total Credit Hours: 64-68

Office Information Systems

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

Computer Applications in the OIS Lab

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

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

Office Information Systems AAS Degree

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

Degree Requirements
Freshman Year - Fall Semester
ENGL 1010  ENGLISH COMPOSITION I  3
BOTK 1640  KEYBOARDING APP I  3
BOTK 1520  BUSINESS MATHEMATICS  3
COSC 1200  COMPUTER INFORMATION SYSTEMS  3
COMM 1030  INTERPERSONAL COMMUNICATION  3
HEALTH & HUMAN ACTIVITY  1
Subtotal: 16

All required courses must be completed with a ‘C’ or better.
Office Information Systems AAS Degree with emphasis in Medical Office Assistant

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

Degree Requirements

Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
HLTK 1200 MEDICAL TERMINOLOGY 2
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
BOTK 2810 ACCOUNTING PROCEDURES I 3
PSYC 1000 GENERAL PSYCHOLOGY 4
Subtotal: 15

Freshman Year - Spring Semester
ENGL 2010 TECHNICAL WRITING 3
BOTK 1555 BASIC OFFICE SKILLS 3
accounting manager

Sophomore Year - Fall Semester
ACCT 2210 ACCOUNTING INFORMATION 3
CMAP 1800 DATABASE APPLICATIONS: 3
BOTK 2900 OFFICE SYSTEMS & PROCEDURES 3
COSC 1705 INTRO TO DIGITAL DESIGN 3
Subtotal: 16-17

Sophomore Year - Spring Semester
ACCT 2210 ACCOUNTING INFORMATION 3
CMAP 1800 DATABASE APPLICATIONS: 3
BOTK 2900 OFFICE SYSTEMS & PROCEDURES 3
COSC 1705 INTRO TO DIGITAL DESIGN 3
Subtotal: 14

Total Credit Hours: 64-65

Freshman Year - Spring Semester
ENGL 2010 TECHNICAL WRITING 3
BOTK 1650 KEYBOARDING APPLICATIONS II 3
CMAP 1750 SPREADSHEET APPLICATIONS: 3
OIS/BUSINESS ELECTIVE 3
CMAP 1860 INTRO TO DIGITAL DESIGN 3
TECHNOLOGIES 3
US GOVERNMENT 3
Subtotal: 18

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

Sophomore Year - Fall Semester
BOTK 1555 BASIC OFFICE SKILLS 3
BOTK 2750 RECORDS & INFORMATION 3
MANAGEMENT 3
BOTK 2810 ACCOUNTING PROCEDURES I 3
CMAP 1705 WORD PROCESSING APPLICATIONS: 3
MATH OR LAB SCIENCE 3-4
HEALTH & HUMAN ACTIVITY 1
Subtotal: 16-17

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

Sophomore Year - Spring Semester
ACCT 2210 ACCOUNTING INFORMATION 3
CMAP 1800 DATABASE APPLICATIONS: 3
BOTK 2900 OFFICE SYSTEMS & PROCEDURES 3
COSC 1905 INTEGRATED APPLICATIONS: 3
BOTK 2800 OIS PORTFOLIO/CAPSTONE 2
Subtotal: 14

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

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

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

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

Approved Electives: Courses with the following prefixes: ACCT, BAQM, BOTK, BUSN, CMAP, COSC, ECON, FIN, IMGT, MGT, MKT and MOA.

Total Credit Hours: 64-65
BIOL 2015, and MOA 1500: Required courses for graduation. Must be completed with a "C" or better to earn A.A.S. degree in Office Information Systems with emphasis in Medical Office Assistant.

Total Credit Hours: 66

Medical Office Assistant Certificate

Degree Requirements
Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
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<td>GENERAL BIOLOGY</td>
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<tr>
<td>HOEC 1140</td>
<td>NUTRITION</td>
<td>3</td>
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<tr>
<td>BIOL 2010</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY II</td>
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<tr>
<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
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<tr>
<td>BOTK 1650</td>
<td>KEYBOARDING APPLICATIONS II</td>
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<tr>
<td>BOTK 2750</td>
<td>RECORDS &amp; INFORMATION</td>
<td>3</td>
</tr>
<tr>
<td>HLTK 1200</td>
<td>MEDICAL TERMINOLOGY</td>
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<tr>
<td>MOA 1500</td>
<td>MEDICAL OFFICE PROCEDURES</td>
<td>3</td>
</tr>
<tr>
<td>NRST 1510</td>
<td>NURSE ASSISTANT</td>
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<tr>
<td>CMAP 1905</td>
<td>INTEGRATED APPLICATIONS:</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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</table>

Subtotal: 40

Administrative Assistant Certificate

Degree Requirements
Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>BOTK 2810</td>
<td>ACCOUNTING PROCEDURES I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2010</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1555</td>
<td>BASIC OFFICE SKILLS</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1650</td>
<td>KEYBOARDING APPLICATIONS II</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 2900</td>
<td>OFFICE SYSTEMS &amp; PROCEDURES</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 2750</td>
<td>RECORDS &amp; INFORMATION</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS:</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1705</td>
<td>WORD PROCESSING APPLICATIONS:</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 33

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

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

Total Credit Hours: 33

Clerk Typist Certificate

Degree Requirements
Fall Semester
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1640</td>
<td>KEYBOARDING APP I</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1555</td>
<td>BASIC OFFICE SKILLS</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 2750</td>
<td>RECORDS &amp; INFORMATION</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

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

Spring Semester
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1705</td>
<td>WORD PROCESSING APPLICATIONS:</td>
<td>3</td>
</tr>
<tr>
<td>OIS/BUSINESS ELECTIVE</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1650</td>
<td>KEYBOARDING APPLICATIONS II</td>
<td>3</td>
</tr>
<tr>
<td>BOTK 1520</td>
<td>BUSINESS MATHEMATICS</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

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

Total Credit Hours: 30

Business & Industry Certificates

The Business and Industry Certificate series is a step-by-step approach for working students to gain an opportunity for recognition and to develop confidence as they cultivate critical business skills. Each certificate option is built around a specific skill area considered essential in today's world of work. A Cooperative Work Experience course may also be used to assess understanding as participants will be expected to demonstrate the use of skills in each area. After completing any one certificate, students may choose to continue the program by completing coursework in another Business and Industry certificate option. Upon completion of the series, students would be encouraged to pursue the A.S. Degree in Business Management, Accounting, or General Studies.

Business & Industry Certificate - Analysis

The Certificate in Business and Industry (Analysis) 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. Students who complete this certificate will earn 14 or 15 credit hours that can be transferred to a number of A.A.S. or A.S. degrees.

Degree Requirements
Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMAP 1750</td>
<td>SPREADSHEET APPLICATIONS:</td>
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</tr>
<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2010</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2980 (Co-Op) or Finance Elective</td>
<td></td>
<td>2-3</td>
</tr>
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</table>

Subtotal: 14-15

Total Credit Hours: 14-15
**Business & Industry Certificate - Communications**

The Certificate in Business and Industry (Communications) 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. Students who complete this certificate will earn 14 or 16 credit hours that can be transferred to a number of A.A.S. programs or build towards an A.S. in Business Management.

**Degree Requirements**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 1000: INTRODUCTION TO BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010: ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010: TECHNICAL WRITING</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1010: PUBLIC SPEAKING</td>
<td>3</td>
</tr>
<tr>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
<td>1</td>
</tr>
<tr>
<td>MGT 2980 (Co-Op)</td>
<td>1-3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
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<tr>
<td>COMM 1070: EFFECTIVE LISTENING</td>
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</tbody>
</table>

**Subtotal: 14-16**

**Total Credit Hours: 14-16**

**Business & Industry Certificate - Management**

The Certificate in Business and Industry (Management) 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. Students who complete this certificate will earn 15 credit hours that can be transferred to a number of A.A.S. or A.S. degrees.

**Degree Requirements**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 1000: INTRODUCTION TO SUPERVISION</td>
<td>3</td>
</tr>
<tr>
<td>MGT 1040: LEGAL ENVIRONMENT OF BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>MGT 1200: HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2100: PRINCIPLES OF MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1050: CONFLICT MANAGEMENT &amp; MEDIATION</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Total Credit Hours: 15**

**Supervision & Leadership**

**Supervision & Leadership Certificate**

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**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1200: COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010: ENGLISH COMPOSITION I</td>
<td>3</td>
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**Subtotal: 6**

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 1000: INTRODUCTION TO SUPERVISION</td>
<td>3</td>
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<tr>
<td>COMM 1030: INTERPERSONAL COMMUNICATION</td>
<td>3</td>
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</tbody>
</table>

**Subtotal: 6**

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 1200: HUMAN RESOURCE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2100: PRINCIPLES OF MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>APPROVED ELECTIVE</td>
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</tbody>
</table>

**Subtotal: 9**

Approved Electives: Public Speaking (COMM 1010), Spreadsheet Applications: (CMAP 1750), Technical Writing (ENGL 2010), Intro to Natural Resources (G&R 1050), Problem Solving (MATH 1000)

**Total Credit Hours: 21**
## Education

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

### Education Elementary and Early Childhood Emphasis AA Degree

**Degree Requirements**

<table>
<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
<th>ENGL 1010</th>
<th>ENGLISH COMPOSITION I</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>EDCI 1000</td>
<td>EDUCATION EXPERIENCE</td>
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<td></td>
<td>COMM 1010</td>
<td>PROSPECTIVE TCRRS</td>
<td>3</td>
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<tr>
<td></td>
<td>HIST 1211</td>
<td>US HISTORY I: TO 1865</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 1221</td>
<td>US HISTORY II: FROM 1865</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
<td>4</td>
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<tr>
<td></td>
<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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</table>

**Subtotal:** 16

<table>
<thead>
<tr>
<th>Freshman Year - Spring Semester</th>
<th>ENGL 1020</th>
<th>ENGLISH COMPOSITION II</th>
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<tbody>
<tr>
<td></td>
<td>EDCI 1010</td>
<td>FIELD EXPERIENCE</td>
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<tr>
<td></td>
<td>ITEC 2360</td>
<td>INTRODUCTION TO CLASSROOM MANAGEMENT</td>
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<td></td>
<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
<td>4</td>
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<tr>
<td></td>
<td>MUSC 1000</td>
<td>INTRO TO MUSIC</td>
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<td></td>
<td>MATH 1100</td>
<td>NUMBER &amp; OPERATIONS ELEM</td>
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<td>EDEX 2484</td>
<td>INTRODUCTION TO SPECIAL EDUCATION</td>
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<td></td>
<td>LIBS 2280</td>
<td>LITERATURE FOR CHILDREN</td>
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<td>BIOL 1003</td>
<td>CURRENT ISSUES IN BIOLOGY</td>
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<tr>
<td></td>
<td>MATH 1105</td>
<td>DATA, PROBABILITY, ALGEBRA ELEM SCH TCRRS</td>
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**Subtotal:** 17-18

Total Credit Hours: 64-65

### Secondary Education Emphasis AA or AS Degree

**Degree Requirements**

<table>
<thead>
<tr>
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<th>ENGL 1010</th>
<th>ENGLISH COMPOSITION I</th>
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<tbody>
<tr>
<td></td>
<td>EDCI 1000</td>
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<td></td>
<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 1211</td>
<td>US HISTORY I: TO 1865</td>
<td>3</td>
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<tr>
<td></td>
<td>HIST 1221</td>
<td>US HISTORY II: FROM 1865</td>
<td>3</td>
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<td>PSYC 1000</td>
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<td></td>
<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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**Subtotal:** 16

<table>
<thead>
<tr>
<th>Freshman Year - Spring Semester</th>
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<th>ENGLISH COMPOSITION II</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>FIELD EXPERIENCE</td>
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<td></td>
<td>EDCI 2440</td>
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**Subtotal:** 17

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

<table>
<thead>
<tr>
<th>Sophomore Year - Fall Semester</th>
<th>BIOL 1003</th>
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</thead>
<tbody>
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</tr>
<tr>
<td></td>
<td>EDUC 2100</td>
<td>PRACTICUM IN TEACHING I</td>
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<tr>
<td></td>
<td>PSYC 2300</td>
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<td></td>
<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<tr>
<td></td>
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**Subtotal:** 16

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

<table>
<thead>
<tr>
<th>Sophomore Year - Spring Semester</th>
<th>EDCI 1000</th>
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<tbody>
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<td>EDEX 2484</td>
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<td></td>
<td>CONTENT AREA COURSES</td>
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**Subtotal:** 16-17

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

Total Credit Hours: 65-66
## English as a Second Language

### English As A Second Language Certificate

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

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

### Degree Requirements

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

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

**Subtotal: 8**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tr>
<td>HMDV 1503</td>
<td>NON-NATIVE CONVERSATION</td>
<td>3</td>
</tr>
<tr>
<td>HMDV 0550</td>
<td>U.S. CULTURE/COMMUNICATION</td>
<td>2</td>
</tr>
<tr>
<td>BAS 0960</td>
<td>NON-NATIVE LISTENING</td>
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</tr>
<tr>
<td>COMM 1010</td>
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**Subtotal: 8**

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

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BAS 0910</td>
<td>NON-NATIVE READING</td>
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<tr>
<td>BAS 0510</td>
<td>READING SKILLS</td>
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</tr>
<tr>
<td>HMDV 1000</td>
<td>COLLEGE STUDIES</td>
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<td>HMDV 1100</td>
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</table>

**Subtotal: 8**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1111</td>
<td>ADVANCED COMPOSITION</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
<td>3</td>
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**Subtotal: 0-6**

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

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

**Subtotal: 0-6**

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

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

**Subtotal: 0-6**

---

## Health Sciences

( Including Nursing, Pre-Professional, Exercise Science)

### Health Sciences and Pre-Professional Programs

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

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

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

### Nursing Program - Nurse Assistant Course

This four credit course (NRST 1510) prepares a person to work as an assistant to, and under the supervision of licensed nursing personnel with an emphasis on the elderly client. The course includes basic nursing assistant principles, as well as practice and demonstration of skills related to client care. Students’ time will be divided between theory, laboratory time, and supervised clinical experience. Current immunizations, TB Skin Test, Tdap and Health Care Provider CPR certification are necessary to attend clinical. Additional information is available on costs of the course, certification, and job opportunities from the nursing department. A limited number of students are admitted into the course on a "space available" basis until the class is filled.

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

### Practical Nursing Program

Western Wyoming Community College offers a three-semester program leading to a Practical Nursing Certificate. Successful completion of the program allows the graduate to take the National Council Licensure examination for practical nursing (NCLEX-PN). Upon licensure, the LPN nurse practices in settings where policies and procedures are specified and guidance is available. The goal of Western Wyoming Community College is to prepare practical nurses who will competently practice the art and science of nursing. The art and science of nursing are accomplished by utilizing the six goals of the nursing program. The six goals of the nursing program are to: communicate competently, see issues from multiple perspectives, develop life skills, solve problems, retrieve information, and apply therapeutic nursing interventions. The curriculum is organized around these six goals to help the student manage an ever expanding body of knowledge. The curriculum content and clinical opportunities are leveled from basic to complex with each semester lending breadth and depth to the next. The practice for a practical nurse is to apply this knowledge to persons with common, predictable problems, or persons without complex health problems. The practical nurse provides care to persons to maximize health potential.

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

Admission:

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

To apply for the Practical Nursing program:

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

Prior to starting Nursing I you must:

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

Admission Criteria:

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

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

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

Admission Process:

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

Expenses:

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

Financial Assistance:

In addition to the financial aid available to all university students,
special awards and funds may be available to qualified nursing
students. For information about financial assistance, contact the
Financial Aid Office.

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 Nursing Assistant certification, or Practical Nurse or
Professional Nurse licensure: all charges, arrests, citations or
convictions for any criminal offense including, DUls and felonies
even if pardoned, expunged, dismissed or deferred. WSBN also
requires notification of admission to a facility for treatment for
drug/alcohol abuse within the last 10 years. 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 at
http://nursing.state.wy.us for additional information regarding the
application process and contact information.

WWCC Policies to Protect the Public

The Western Wyoming Community College Practical 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 record for 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 clinical.

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

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

Degree Requirements

Pre-Requisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
<td>4</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>
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<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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</table>

Subtotal: 23

MATH 1400: or higher

Nurse Assistant course

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

Program Coursework - Fall Semester

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<thead>
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<th>Course</th>
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<td>NRST 1555</td>
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<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS OR</td>
<td>3</td>
</tr>
<tr>
<td>CMAP 1905</td>
<td>INTEGRATED APPLICATIONS:</td>
<td>3</td>
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Subtotal: 13

Program Coursework - Spring Semester

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<td>NRST 1565</td>
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Subtotal: 10

Program Coursework - Summer Semester

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<td>NRST 1575</td>
<td>PN NURSING III</td>
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All above courses must be completed with a “C” or better to earn the Certificate in Practical Nursing.

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

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

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

PN 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.

Total Credit Hours: 49

Associate Degree in Nursing Program

Western Wyoming Community College offers a three-year program (6 or 7 semesters) leading to an Associate Degree in Nursing.

Successful completion of the program allows the graduate to take the National Council Licensure examination for registered nursing (NCLEX-RN). Upon licensure, the AD nurse practices in settings where policies and procedures are specified and guidance is available. The goal of Western Wyoming Community College is to prepare nurses who will competently practice the art and science of nursing. The art and science of nursing are accomplished by utilizing the six goals of the nursing program. The six goals of the nursing program are to: communicate competently, see issues from multiple perspectives, develop life skills, solve problems, retrieve information, and apply therapeutic nursing interventions.

The curriculum is organized around these six goals to help the student manage an ever-expanding body of knowledge. The curriculum content and clinical opportunities are leveled from basic to complex with each semester lending breadth and depth to the next. The practice of associate degree nursing applies to persons with common, predictable problems, or persons with complex health problems. The AD nurse provides care to persons to maximize health potential.

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

Programs of Study

Outreach Opportunities for Associate Degree in Nursing

Western Wyoming Community College serves a significant number of students who live outside of the Rock Springs and Green River area. In an effort to meet the needs of all students, the nursing department has several options that help students participate in the nursing program.

- Portions of the Associate Degree Nursing Program may be available in Rawlins at the Carbon County Higher Education Center (CCHEC).
- Some clinical experiences are available in outreach sites throughout the service area.
- Portions of nursing courses may be available online or by other distance learning methods.
- All nursing students will attend some clinical out of town.

Outreach Opportunities for Associate Degree in Nursing in Rawlins

CCHEC has four reserved slots for qualified applicants. These four slots will be filled by qualified applicants of Carbon County School District #1. The last four slots will be filled by ranking the other qualified applicants. The last four positions may be filled by someone from Carbon County School District #1 or the student may be from another community.

Admission

The nursing department provides information to all students who express an interest in the program. In addition to the regular college admission requirements, prospective nursing students must meet admission requirements of the nursing program to be considered for admission. Admission into the program is granted only in the fall semester. Interested applicants should contact the Nursing Department for specific requirements.

Associate Degree in Nursing Admission

To apply for the nursing program:

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

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

Admission Criteria:

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

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

Admission Process:

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

Transfer Student Admission

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

Admission Criteria:

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

Advanced Placement Admission

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

To apply for the Nursing Program:

- Achieve a grade point average of 2.5 or higher on a 4.0 scale for prerequisite and nursing courses required to earn the Practical Nursing (PN) certificate. (Nurse assistant course not included in GPA.)
- Complete prerequisites and nursing courses with a "C" or better.
- Take the LPN STEP Test. Result must be at or above the national mean on the Adjusted Individual Total Score to qualify.

Admission Criteria:

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

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

Admission Process:

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

Transfer Student Admission

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

To apply for the Nursing Program:

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

Admission Criteria:

- Transfer student admission is based on space availability if requirements have been met. Nursing courses already completed must be comparable to WWCC nursing courses.
- Transfer students may be required to demonstrate abilities via academic testing or proficiency demonstration. Students who are not successful must reapply the following year.
Applicants are encouraged to contact a nursing advisor periodically to ensure the appropriate classes are taken and to communicate program changes.

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

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

Career Mobility
The AD Nursing Program is a three-year (6 or 7 semester) program leading to an Associate Degree in Nursing. Students who meet the requirements for progression may complete the program for the associate degree. Those students are then eligible to take the NCLEX-RN examination to become registered nurses.

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

Financial Assistance
In addition to the financial aid available to all students, special awards and funds may be available to qualified nursing students. For information about financial assistance, contact the Financial Aid Office.

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 Nursing Assistant certification, or Practical Nurse or Professional Nurse licensure: 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 admission to a facility for treatment for drug/alcohol abuse within the last 10 years. 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 at http://nursing.state.wy.us 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 record for 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 clinical.

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

The program is approved by the Wyoming State Board of Nursing.

State of Wyoming
State Board of Nursing
1810 Pioneer Ave
Cheyenne, WY 82001
Phone: 307-777-7601

Nursing Associate Degree

Degree Requirements
Pre-Requisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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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 I</td>
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</tr>
<tr>
<td>BIOL 2015</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY II</td>
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<td>PSYC 1000</td>
<td>GENERAL PSYCHOLOGY</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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Subtotal: 23

MATH 1400: or higher

Nurse Assistant course

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

First Year - Fall Semester

<table>
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<th>Description</th>
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<td>NRST 1610</td>
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<td>COSC 1200</td>
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<td>CMAP 1905</td>
<td>INTEGRATED APPLICATIONS:</td>
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Subtotal: 13

First Year - Spring Semester

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<tr>
<td>ENGL 1020</td>
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<td>ENGL 1111</td>
<td>ADVANCED COMPOSITION</td>
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Subtotal: 12

Second Year - Fall Semester

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<td>US GOVERNMENT</td>
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Subtotal: 13
Radiologic Technology

Western Wyoming Community College and Weber State University have entered into an articulation agreement which allows students interested in pursuing a degree in Radiologic Technology to take their prerequisite courses at Western and then complete the radiology courses through Weber. 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.

Pre-Radiology Emphasis AS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
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<th>Course</th>
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Total Credit Hours: 64-67

Radiography at Weber State University - AAS or BS

Admissions Information

Admission Procedures to Complete the Radiologic Technology Program at Weber State

1. Apply for admission to Weber State University (including an application fee) and be admitted as a matriculated student. http://www.weber.edu/getintoweber/WhatsNextStep2.html

2. Complete the radiologic technology program application procedures (including an application fee) as outlined on the program application. This should be accomplished by January 10 of the year in which the student wishes to enter the program. http://www.weber.edu/RadSci/Degrees_Programs/rt_checklist.html

3. Submit high school and/or college transcripts. Those who have completed less than 45 credit hours (30 semester hours) from Western must submit their high school record and ACT scores. For those who have completed the 45 credits but have less than an associate degree, their application will be reviewed based upon their cumulative grade point average.
Dental Hygiene

The Sheridan College Program in Cooperation with Western Wyoming Community College

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

Admission to the Program

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

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

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

Pre-Dental Hygiene

Degree Requirements

Suggested Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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College Level Math: See advisor for specific requirements

CHEM 1000: See advisor before enrolling

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

## Pre-Health Programs AS Degrees

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

The suggested courses in these programs can vary, depending on the college to which a student will transfer to complete their undergraduate education. It will also vary according to the chosen major. Most colleges today do not have a “pre-med” major, for example. Students can choose from a variety of majors (biology, physiology, and chemistry are three common choices). Students are encouraged to check the catalogs of the transfer institutions in which they are interested, and adjust their course choices accordingly. The following curricula should cover the vast majority of situations students will encounter. Pre-Pharmacy is listed individually under the Science and Mathematics Program (p. 70) section of the Catalog.

## Degree Requirements

### Freshman Year - Fall Semester

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**Subtotal: 15-17**

### Freshman Year - Spring Semester

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### Sophomore Year - Fall Semester

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### Sophomore Year - Spring Semester

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**Subtotal: 18-19**

**Total Credit Hours: 50-55**

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# Nursing Transfer Emphasis AS Degree

## Degree Requirements

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### Freshman Year - Spring Semester

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**Subtotal: 18-19**

**Total Credit Hours: 67-69**
Exercise Science/Fitness Leadership

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

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

Exercise Science AS Degree

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

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
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Subtotal: 17-18

Recommended electives: Ethics, outdoor courses, business courses, physical education activities, Psychology of Adjustment, communication courses. Students transferring to UW and majoring in Kinesiology are encouraged to also take Physics and Statistics.

Sophomore Year - Fall Semester

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Subtotal: 17-20

Recommended electives: Ethics, outdoor courses, business courses, physical education activities, Psychology of Adjustment, communication courses. Students transferring to UW and majoring in Kinesiology are encouraged to also take Physics and Statistics.

Total Credit Hours: 67-74

Fitness Leadership Certificate

In this program students will learn the necessary skills to become a certified fitness leader and to take national certification exams, such as those offered by the American Council on Exercise (ACE) and the National Strength and Conditioning Association (NSCA). These exams are offered regularly in Salt Lake City and Denver. Students will also enjoy the personal benefits of this program. Through courses in nutrition, wellness, fitness leadership, and various exercise classes, personal diet and fitness levels will improve. In addition to classroom instruction, the program gives hands-on experience in fitness centers, schools, hospitals, or clinics. This is an exciting and friendly program where students will be applying the knowledge they learn in the classroom in the real world, with real people.
Degree Requirements

Required Courses

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td></td>
<td>COMMUNICATION COURSE</td>
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</table>

Business course options: Any course from departments of BADM, BUSN, MGT, or MKT

Communication course options: Public Speaking (COMM 1010), Interpersonal Communication (COMM 1030), or Conflict Management & Mediation (COMM 1050)

Humanities

Humanities can be the core of a general studies program and is designed for the individual who is interested in earning a Bachelor of Arts Degree at a four-year institution. Humanities view people in their creative context through literature, languages, theatre, music, art, journalism, and speech. Students will be offered many avenues for discovering your creativity such as editing and reporting and creative writing. Such study is rich in value for the individual involved in growing and developing into a fully functional human being.

The area of Humanities offers courses in journalism, communication, Spanish, literature, Western American Studies, Creative Writing and English. These courses provide preparation for jobs in business, industry, government, law and teaching and provide the opportunity for better understanding of the ideas and institutions of civilization.

Students take courses in these fields for a variety of reasons:

1. They may wish to complete the required hours of humanities.
2. They may wish to transfer to a four-year college and major in journalism, art, music, communication, theatre, foreign languages, literature and English.
3. They may wish to broaden their college experience or to take these courses because they are interested in the subject matter.

Suggested programs in each of the following areas of emphasis are offered as general guidelines. Each student’s program will be mutually devised by the student and the student’s advisor to fit individual needs and abilities. Transfer students should consult the catalog of the transfer school of their choice for comparison.

Communication Emphasis AA Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>COMM 1040</td>
<td>INTRODUCTION TO HUMAN COMMUNICATION</td>
<td>3</td>
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<td>COMPUTER COURSE</td>
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Subtotal: 17

Freshman Year - Spring Semester

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<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
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<td>COMM 1030</td>
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Subtotal: 16

MATH 1000 or higher

Electives: Students are encouraged to choose electives, which reflect their interests in the following areas: theatre, English/writing, business and marketing, psychology, political science, art, and anthropology.
**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>COMM 1370</td>
<td>PUBLICATIONS PRODUCTION I</td>
<td>1-3</td>
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<tr>
<td>COMM 2100</td>
<td>REPORTING &amp; NEWSWRITING I</td>
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<td>FOREIGN LANGUAGE</td>
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<tr>
<td></td>
<td>SOCIAL SCIENCE</td>
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</table>

Subtotal: 17-19

Communication Electives: Choose from Intro to Persuasion, Nonverbal Comm, Conflict Management, Intercultural Comm, Listening, Graphic Design, Public Relations.

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
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<tr>
<td></td>
<td>ASSESSMENT REQUIREMENT</td>
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</table>

Subtotal: 15-20

Electives: Students are encouraged to choose electives, which reflect their interests in the following areas: theatre, English/writing, business and marketing, psychology, political science, art, and anthropology.

Total Credit Hours: 65-72

**Creative Writing Certificate**

The Creative Writing certificate is a 14 credit program for students to experience a wide range of creative writing genres, develop and improve as a writer, and feel confident in transferring to a university level creative writing program. Through workshop methodology, studying professional writers, and doing exercises, poems, stories, and essays, students will become well-rounded writers and readers of literature.

**Degree Requirements**

**Required courses (2 credits)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>ENGL 2495</td>
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Subtotal: 2

Choose any four (12 credits)

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<td>ENGL 2050</td>
<td>CREATIVE WRITING: POETRY I</td>
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<td>ENGL 2060</td>
<td>CREATIVE WRITING: PROSE II</td>
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<td>ENGL 2080</td>
<td>CREATIVE WRITING: POETRY II</td>
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<td>ENGL 2090</td>
<td>CREATIVE WRITING: PROSE III</td>
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<td>ENGL 2064</td>
<td>CREATIVE WRITING: JOURNALING</td>
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<tr>
<td>ENGL 2065</td>
<td>CREATIVE WRITING: MEMOIR</td>
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</table>

Subtotal: 12

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

Total Credit Hours: 14

**English Emphasis AA Degree**

**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>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
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<tr>
<td>ENGL 2310</td>
<td>AMERICAN LITERATURE I</td>
<td>3</td>
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<td></td>
<td>LAB SCIENCE</td>
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<td>FOREIGN LANGUAGE</td>
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<tr>
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<td>COMPUTER COURSE</td>
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Subtotal: 17

**Freshman Year - Spring Semester**

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<th>Course Code</th>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING OR</td>
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<td>ENGL 1111</td>
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<td>COLLEGE LEVEL MATH</td>
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Subtotal: 15-17

Approved Literature Electives: World Lit I, Women’s Lit, Native American Lit, Western American Lit, Lit of WY, Intro to Folklore, Lit Genres, or Film Appreciation.

Approved Writing Electives: Adv Composition, Reporting & Newswriting, Creative Writing, Prose I/II, Poetry I/II, or Creative Writing Workshops.

**Sophomore Year - Fall Semester**

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<td>SOCIAL SCIENCE</td>
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<td>APPLIED ART</td>
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Subtotal: 19-20

Approved Literature Electives: World Lit I, Women’s Lit, Native American Lit, Western American Lit, Lit of WY, Intro to Folklore, Lit Genres, or Film Appreciation.

Approved Writing Electives: Adv Composition, Reporting & Newswriting, Creative Writing, Prose I/II, Poetry I/II, or Creative Writing Workshops.

**Sophomore Year - Spring Semester**

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<td>LITERATURE OR WRITING ELECTIVES</td>
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Subtotal: 14-17

Approved Literature Electives: World Lit I, Women’s Lit, Native American Lit, Western American Lit, Lit of WY, Intro to Folklore, Lit Genres, or Film Appreciation.

Approved Writing Electives: Adv Composition, Reporting & Newswriting, Creative Writing, Prose I/II, Poetry I/II, or Creative Writing Workshops.

Total Credit Hours: 64-68
Journalism Emphasis AA Degree

Degree Requirements
Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
COMM 1000 INTRODUCTION TO MASS MEDIA 3
COMM 1370 PUBLICATIONS PRODUCTION I 1-3
COMM 2100 REPORTING & NEWSWRITING I 3
COMM 2300 GRAPHIC DESIGN I 3
MATH 1000 PROBLEM SOLVING 3
HEALTH & HUMAN ACTIVITY 1

Subtotal: 17-19

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
OR
ENGL 2010 TECHNICAL WRITING 3
OR
ENGL 1111 ADVANCED COMPOSITION 3
COMM 1375 PUBLICATIONS PRODUCTION II 1-3
COMPUTER COURSE 3
LAB SCIENCE 4
HEALTH & HUMAN ACTIVITY 1

Subtotal: 15-17

Sophomore Year - Fall Semester
COMM 1040 INTRODUCTION TO HUMAN COMMUNICATION 3
COMM 2370 PUBLICATIONS PRODUCTION III 1-3
ART 1150 PHOTOGRAPHY I 3
POLS 1000 AMERICAN & WYOMING GOVERNMENT 3
SOCIAL SCIENCE 3
FOREIGN LANGUAGE 4

Subtotal: 17-19

Sophomore Year - Spring Semester
COMM 2270 PUBLIC RELATIONS 3
COMM 2375 PUBLICATIONS PRODUCTION IV 1-3
FOREIGN LANGUAGE 4
SOCIAL SCIENCE 3
ELECTIVE 3
COMPUTER ELECTIVE 1
ASSESSMENT REQUIREMENT 0-1

Subtotal: 15-18

Electives: Students are encouraged to choose electives, which reflect their interests in the following areas: English/writing, business and marketing, psychology, political science, and art.

Computer Elective: Depending upon competency and interest, choose from any computer applications course, such as Computer Graphics: Expression Web, PowerPoint, Internet, Publisher.

Total Credit Hours: 64-73

Journalism Certificate

The Journalism certificate is a 15 credit program of study designed to provide job skills necessary to quickly enter, remain in, or advance in specific sectors of the journalism work force in not only Wyoming, but regionally. Courses allow students to learn basic news reporting and writing skills, journalism history and ethics, and media literacy concepts for those entering the professional fields as news and public relations professionals.

Degree Requirements
Required Core Courses:
ENGL 1010 ENGLISH COMPOSITION I 3
COMM 1000 INTRODUCTION TO MASS MEDIA 3
COMM 2100 REPORTING & NEWSWRITING I 3
COMM 2270 PUBLIC RELATIONS 3

The following electives are recommended to enhance Certificate coursework:
ENGL 2010 TECHNICAL WRITING 3
COMM 2090 INTRODUCTION TO PERSUASION 3
COMM 1040 INTRODUCTION TO HUMAN COMMUNICATION 3

Total Credit Hours: 15

Spanish Emphasis AA Degree

Degree Requirements
Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
LAB SCIENCE 4
SPAN 1010 FIRST YEAR SPANISH I 4
COMM 1000 PROBLEM SOLVING 3
OR
MATH 1400 PRECALCULUS ALGEBRA 4
ELECTIVES 6
HEALTH & HUMAN ACTIVITY 1

Subtotal: 15

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II 3
SPAN 1020 FIRST YEAR SPANISH II 4
MATH 1000 PROBLEM SOLVING 3
OR
MATH 1400 PRECALCULUS ALGEBRA 4
ELECTIVES 6

Subtotal: 16-17

Sophomore Year - Fall Semester
SPAN 2030 SECOND YEAR SPANISH I 4
APPLIED ARTS ELECTIVE 3
HUMANITIES 3
SOCIAL SCIENCE 3
HEALTH & HUMAN ACTIVITY 1

Subtotal: 17

Sophomore Year - Spring Semester
SPAN 2040 SECOND YEAR SPANISH II 4
SOCIAL SCIENCE 3
HUMANITIES OR ELECTIVE 3
ELECTIVES 6
ASSESSMENT REQUIREMENT 0-1

Subtotal: 16-17

Total Credit Hours: 64-66
Western American Studies Emphasis AA Degree

The Western American Studies program at WWCC is interdisciplinary, offering students the opportunity to study the region’s history, literature, culture and environment and to prepare them for living responsibly in the modern West. After taking required basic courses, students may specialize in their areas of interest (science, history, literature) or may select courses which give them a broad range of understanding of the West. Courses suggested for Western American Studies will prepare students to meet the challenges the region faces because of growing population and increased demand for its resources. In addition, the program provides students with a thorough knowledge of the West’s rich historical and literary heritage, with a special emphasis on the contribution of Native American cultures.

The Western American Studies program is flexible enough to allow students to specialize in courses that will prepare them to transfer to four year institution into such majors as American Studies, History, or Environmental Science. Students should work closely with their academic advisors to design a program to meet their individual needs and to meet transfer requirements.

Degree Requirements

Freshman Year - Fall Semester

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<th>Course</th>
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<td>LAB SCIENCE</td>
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<td>COMPUTER COURSE</td>
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Subtotal: 16

Lab Science: from list below

Western Studies Elective: below

Freshman Year - Spring Semester

<table>
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<th>Course</th>
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<td>HISTORY OF THE US WEST</td>
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Subtotal: 16-17

Sophomore Year - Fall Semester

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Subtotal: 17

Sophomore Year - Spring Semester

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<td>SPAN 1020</td>
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<tr>
<td>FIRST YEAR SPANISH II</td>
<td>4</td>
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<tr>
<td>WESTERN STUDIES ELECTIVE</td>
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<tr>
<td>ELECTIVE</td>
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<tr>
<td>ASSESSMENT REQUIREMENT</td>
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Subtotal: 15-17

Western Studies Electives: below

Summer – Students may take courses selected from various electives in Western Studies available.

Western Studies Electives:

Humanities: ENGL 2310, ENGL 2320, ENGL 2390, SPAN 1010, 1020, 2030, 2040

Social Science: HIST 2290, HIST 1251, GR 1000, ANTH 1300

Lab Science courses well-suited to an AA Degree in Western American Studies: BIOL 1003, BIOL 1010, GEOL 1100, CHEM 1000, CHEM 1020

Math: Students transferring to a four year institution may need to use elective credits to meet the mathematics requirements for the university to which they plan to transfer. Courses include, but are not limited to: MATH 1000, 1400 and STAT 2050

Total Credit Hours: 64-67

Western American Studies Certificate

This academic certificate program offers intensive, concentrated study of authors, themes, and literary and cinematic genres of particular importance in regional studies. It offers students experience in research-based, analytical and expository writing. Courses required for certificate completion are delivered via non-traditional and traditional means, and this certificate can be completed entirely online.

The Western American Studies Certificate can augment the studies and meet the needs of a diverse group of students, including degree-seeking transfer students, outreach students, and state, regional and national students who seek to concentrate on areas of western regional emphasis for personal or professional reasons.

Degree Requirements

To receive this academic certificate, students must complete, with a grade of C or better, five of the following six courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 2370</td>
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<tr>
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<td>WESTERN AMERICAN STUDIES</td>
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<td>SEMINAR:</td>
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<td>ENGL 2470</td>
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<tr>
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<td>LITERARY GENRES:</td>
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<td>ENGL 2340</td>
<td>3</td>
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<tr>
<td>NATIVE AMERICAN LITERATURE</td>
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<tr>
<td>ENGL 2390</td>
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<td>LITERATURE OF WYOMING</td>
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Complete 5 of the 6 courses above (15 credits) or complete four of the above courses and one approved elective, selected from the following:

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<tr>
<th>Course</th>
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<tr>
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<td>1200, 1250, 1300, BIOL 1210, 1220, 2310, 2410; G&amp;R 1000, 1050; GEOL 1100, 1200; HIST 1251, 1290, 1340, 1410, 2290</td>
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C or better required in above courses to earn certificate.

Total Credit Hours: 15
Science and Mathematics

We live in an era where science, more than any other field of knowledge, affects our lives. Understanding science and technology is to understand major developments in our civilization. As a scientist-professional, you can have a direct impact on the kind of world in which you and future generations will live.

Western Wyoming Community College offers a wide range of courses in mathematics and science areas. These courses include the entire mathematics sequence from Beginning Algebra through Calculus III and Differential Equations. Mathematics majors and engineering majors will find all of the courses necessary for them to complete the first two years of their college training. A comprehensive curriculum will also be found in the Biology, Chemistry, and Geology areas. With Wyoming's great variety of biological and geological areas, students in this division are able to study firsthand their environment. Individuals interested in pre-medicine, pre-nursing, wildlife and range management will also find courses necessary for them to complete their first two years.

Students planning to transfer to the University of Wyoming should ask their faculty advisor about requirements.

See Pre-Health Science Programs. (p. 64)

Biology Emphasis AS Degree

Degree Requirements

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<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
<th></th>
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<tbody>
<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
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<td>CHEM 1020</td>
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<td>4</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>MOLB 2210</td>
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Suggested Electives: BIOL 2450, RNEW 2100, REWM 2500 and REWM 2500, ENTO 1001, BIOL 1210, BIOL 1220, BIOL 2080 or PSYC 2080, PHYS 1110, and PHYS 1120.

Total Credit Hours: 71-73

Chemistry Emphasis AS Degree

Degree Requirements

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<td>GENERAL CHEMISTRY I</td>
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Total Credit Hours: 68-70
Engineering Emphasis AS Degree

Engineering is a popular career because engineers have a variety of employment opportunities with some of the highest starting salaries. Engineering, however, is a rigorous program that often requires more than four years of study. Our program provides the first two years in small classes that provide challenging projects but with more individual attention than at most four-year institutions.

With an A.S. in Engineering from Western, you will have a strong foundation in engineering science, the liberal arts, and mathematics that you will need to transfer and successfully complete a bachelor’s degree at a four-year institution.

Because students have different mathematical backgrounds, we offer two plans, one for students who are ready to take calculus and the other for those who need to complete precalculus. Most of the engineering classes require math prerequisites.

Students who will be transferring should ask their advisor about the 2+3 transfer agreement with the University of Wyoming and other universities. This agreement outlines plans of study in various engineering disciplines that suggests a reasonable five-year curriculum. Students should plan carefully and select a transfer program early. The selection of WWCC courses by the student and advisor will depend on the student’s particular engineering field and the requirement of the university.

### Engineering Emphasis AS Degree (Calculus Ready)

#### Degree Requirements

**Freshman Year - Fall Semester**

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<td>INTRO TO ENGINEERING COMPUTING</td>
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**Total Credits:** 17

**Freshman Year - Spring Semester**

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<td>GENERAL CHEMISTRY II</td>
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**Total Credits:** 17

**Sophomore Year - Fall Semester**

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**Total Credits:** 14

**Sophomore Year - Spring Semester**

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**Total Credits:** 13

**Third Year - Fall Semester**

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<tr>
<td>ES 2110</td>
<td>STATICS</td>
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<td>PHYS 1320</td>
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<td>ES 2211</td>
<td>ELECTRIC CIRCUIT THEORY</td>
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**Total Credits:** 13

**Third Year - Spring Semester**

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<tr>
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<td>ES 2410</td>
<td>MECHANICS OF MATERIALS I</td>
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<tr>
<td>MATH 2310</td>
<td>APPLIED DIFFERENTIAL EQUATIONS</td>
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**Total Credits:** 13-14

Note: Student should talk with his/her advisor about suitable electives.

(Certain engineering fields like chemical, architectural and electrical may have other requirements.)

**Total Credit Hours:** 84-85
Environmental Science Emphasis AS Degree

The inescapable pressures of an increasing population and flourishing technology demand a commitment to responsible environmental stewardship and thorough understanding of our physical environment. This program is designed to prepare students to understand the scientific, social and philosophical nature of human interaction with the environment and to contribute solutions to environmental problems.

Graduates may seek employment as technicians or may continue their studies in a variety of fields such as engineering, health sciences, business, or agriculture. For example, students may transfer to UW’s School of Environmental and Natural Resources. Internships may also be available.

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>BIOL 1010</td>
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Subtotal: 18

Freshman Year - Spring Semester

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<td>PRECALCULUS TRIGONOMETRY</td>
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Subtotal: 16

Sophomore Year - Fall Semester

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<td>QUANTITATIVE ANALYSIS</td>
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Sophomore Year - Spring Semester

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Subtotal: 18-19

Recommended Electives: History of the US West (HIST 1290), Intro to Geography (GR 1000), Western American Studies Seminar (HUMN 2486), Statistics (STAT 2050) or Physical Geology (GEOL 1100)

Total Credit Hours: 67-68

Geology Emphasis AS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
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<th>Title</th>
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<td>GEOLOGY OF SOUTHWEST WYOMING</td>
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Freshman Year - Spring Semester

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Subtotal: 16-18

Summer

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<td>ANTH 1300</td>
<td>INTRODUCTION TO ARCHAEOLOGY</td>
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<tr>
<td>G&amp;R 1000</td>
<td>INTRODUCTION TO GEOGRAPHY</td>
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Subtotal: 18

Approved GEOL Electives: GEOL 2010 or GEOL 2150

Sophomore - Spring Semester

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Subtotal: 15-16

Total Credit Hours: 68-73
### Mathematics Emphasis AS Degree

**Degree Requirements**

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**Total Credit Hours:** 67-69

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### Pre-Forestry Emphasis AS Degree

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**Total Credit Hours:** 69-71
Pre-Pharmacy Emphasis AS Degree

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Total Credit Hours: 68-69

Pre-Rangeland Ecology and Watershed Management Emphasis AS Degree

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Total Credit Hours: 71-73
### Pre-Wildlife Biology Emphasis AS Degree

#### Degree Requirements

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**Freshman Year - Spring Semester**

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BIOL 2400 and BIOL 2410: Only offered even Spring Semesters

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ENTO 1001 and BIOL 2023: Only offered odd Fall Semesters

REWM 2000 and REWM 2500: Only offered even Fall Semesters

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**Subtotal: 18-19**

BIOL 2450: Only offered even Spring Semesters

RNEW 2100: Only offered odd Spring Semesters

**Total Credit Hours: 70-72**

### Social Sciences

Social Sciences view people in their social, historical, political, and philosophical context while respecting the integrity of the individual. Students will be challenged to broaden and deepen knowledge in such areas as anthropology, criminal justice, history, human services, political science, pre-law, psychology, and sociology. These programs are particularly important for those individuals interested in careers in government, law, education, psychology, or social work.

Social Services – helping people help themselves – has become big business in America. Careers in traditional social services like teaching, church and law, continue. In addition, over the past 20 years, hundreds of federal, state, and local aid programs have been set up – from adult education classes to state employment services – with many new career opportunities. Most social services careers require bachelors degrees or graduate school.

This list of courses in the following Suggested Programs are offered as general guidelines. The student and student's advisor will mutually devise a program to fit individual needs and abilities.

### Anthropology Emphasis AA Degree

#### Degree Requirements

**Freshman Year - Fall Semester**

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**Freshman Year - Spring Semester**

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**Subtotal: 18**

**Sophomore Year - Fall Semester**

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**Subtotal: 17**

**Sophomore Year - Spring Semester**

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**Subtotal: 16-17**

**Total Credit Hours: 69-70**
### Archaeology Emphasis AA Degree

#### Degree Requirements

**Freshman Year - Fall Semester**

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**Freshman Year - Spring Semester**

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**Summer Or Fall**

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**Sophomore - Spring Semester**

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**Total Credit Hours: 70-72**

### Criminal Justice Emphasis AA Degree

The Associate of Arts degree is intended for those students who plan to eventually transfer to a four-year institution. This degree program is applicable to those seeking careers in a variety of criminal justice areas such as law enforcement, corrections, probations and parole.

#### Degree Requirements

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td>INTRODUCTION TO CRIMINAL JUSTICE</td>
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**Freshman Year - Spring Semester**

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<td>STAT 2070</td>
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<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<td>CRMJ 2450</td>
<td>ETHICS IN CRIMINAL JUSTICE</td>
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**Sophomore Year - Fall Semester**

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<td>CRIMINAL LAW I</td>
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<td>PSYC 2210</td>
<td>DRUGS AND BEHAVIOR</td>
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<td>SOC 2350</td>
<td>RACE &amp; ETHNIC RELATIONS</td>
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**Sophomore Year - Spring Semester**

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<tr>
<td>OR</td>
<td></td>
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<tr>
<td>BIOL 1010</td>
<td>GENERAL BIOLOGY</td>
<td>4</td>
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<td>COMM 1010</td>
<td>PUBLIC SPEAKING</td>
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<td>CRMJ 2400</td>
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**Total Credit Hours: 68-70**
Emergency Management Certificate

Emergency Management specialists coordinate disaster or crisis management activities. Emergency Management training will consist of preparing emergency plans and procedures for responding to natural, technological, or terrorism events, and coordinating consequence management after the disaster.

A certificate in Emergency Management is designed to enhance the capabilities of federal, state, local, and tribal government officials, volunteer organizations, and the public and private sectors to minimize the impact of natural or human-caused disasters on the public. The courses are structured to meet the needs of this diverse audience with an emphasis on how the various elements work together in emergencies to save lives and protect property.

Degree Requirements

Required Core Course

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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Subtotal: 3

Choose 4 courses (12 credits) from the following:

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<td>EMERGENCY PLANNING FOR DISASTER</td>
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<tr>
<td>EMGT 1630</td>
<td>EMERGENCY OPERATIONS CENTER</td>
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<td>EMGT 1650</td>
<td>EMERGENCY RESOURCE MANAGEMENT</td>
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<td>EMGT 2610</td>
<td>DISASTER EXERCISE DESIGN &amp; EVALUATION</td>
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<tr>
<td>EMGT 2640</td>
<td>DISASTER RESOURCE &amp; RECOVERY OPERATIONS</td>
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Subtotal: 12

Choose 2 courses (6 credits) from the following:

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Subtotal: 6

Total Credit Hours: 21

History Emphasis AA Degree

Degree Requirements

Freshman Year - Fall Semester

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<td>POLS 1000</td>
<td>AMERICAN &amp; WYOMING GOVERNMENT</td>
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<td>MATH 1400</td>
<td>PRECALCULUS ALGEBRA</td>
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<tr>
<td>HIST 1211</td>
<td>US HISTORY I: TO 1865</td>
<td>3</td>
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Subtotal: 17

Freshman Year - Spring Semester

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<tr>
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<td>HIST 1221</td>
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<td>HIST 1251</td>
<td>WYOMING HISTORY</td>
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Subtotal: 18

Sophomore Year - Fall Semester

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Subtotal: 18

Sophomore Year - Spring Semester

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<tr>
<td>HIST 1120</td>
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<td>TEACHING WITH TECHNOLOGY</td>
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Subtotal: 16-17

Total Credit Hours: 69-70
### International Studies Emphasis AA Degree

**Degree Requirements**

**Freshman Year - Fall Semester**
- ENGL 1010 English Composition I 3
- POLS 1000 American & Wyoming Government 3
- MATH 1400 Precalculus Algebra 4
- ANTH 1200 Introduction to Cultural Anthropology 3
- OR
  - ENGL 1010 English Composition I 3
  - MATH 1400 Precalculus Algebra 4
  - OR
  - ANTH 1200 Introduction to Cultural Anthropology 3

Subtotal: 16-17

**Freshman Year - Spring Semester**
- ENGL 1020 English Composition II 3
- FOREIGN LANGUAGE 4
- STAT 2070 Statistics for Social Science 4
- POLS 1200 Non-Western Political Cultures 3
- OR
  - STAT 2070 Statistics for Social Science 4
  - HEALTH & HUMAN ACTIVITY 1

Subtotal: 15

**Sophomore Year - Fall Semester**
- FOREIGN LANGUAGE 4
- POLS 2128 Terrorism 3
- COSC 1200 Computer Information Systems 3
- PEAC 2005 Personalized Fitness I 3

Subtotal: 17

**Sophomore Year - Spring Semester**
- ECON 1010 Macroeconomics 3
- COMM 1010 Public Speaking 3
- POLS 2000 Current Issues in American Government 3
- OR
  - POLS 2250 Latin American Studies 3

Subtotal: 17

**Total Credit Hours: 65-67**

### Law Enforcement AAS Degree

This degree in Law Enforcement is intended for students seeking a career specifically in law enforcement. The program has been approved by regional law enforcement professionals to provide practical, high-quality education that includes those skills that will most adequately prepare students for a successful career in law enforcement. The A.A.S. is advantageous for those not planning to pursue a Bachelors Degree, therefore are not interested in the A.A. in Criminal Justice.

**Degree Requirements**

**Freshman Year - Fall Semester**
- CRMJ 2120 Introduction to Criminal Justice 3
- CRMJ 2550 Criminal Investigation I 3
- CRMJ 1900 Introduction to Law Enforcement 3

Subtotal: 17

**CRMJ 2120, CRMJ 1900, and CRMJ 1550: Required courses to receive A.A.S. Degree in Law Enforcement (must be included in the 24 hours of degree area coursework for graduation)**

**CRMJ 2120, CRMJ 2550, CRMJ 1900, CRMJ 1550, and PEAC 2005: Peace Officer Standards & Training (P.O.S.T.) Certification includes similar coursework**

**Freshman Year - Spring Semester**
- CRMJ 2560 Criminal Investigation II 3
- ENGL 2010 Technical Writing 3
- MATH 1000 Problem Solving 3
- US GOVERNMENT 3
- CRMJ 2250 Police Administration I 3
- HLED 1225 First Aid and CPR 2

Subtotal: 17

**CRMJ 2560, CRMJ 2250, and HLED 1225: Peace Officer Standards & Training (P.O.S.T.) Certification includes similar coursework**

**Sophomore Year - Fall Semester**
- CRMJ 2210 Criminal Law I 3
- COSC 1200 Computer Information Systems 3
- CRMJ 2420 Juvenile Justice 3
- PSYC 2210 Drugs and Behavior 3
- OR
  - CRMJ 2590 Drugs & Criminal Justice 3

Subtotal: 18

**CRMJ 2210: Required courses to receive A.A.S. Degree in Law Enforcement (must be included in the 24 hours of degree area coursework for graduation)**

**CRMJ 2210, PSYC 2210, CRMJ 2590, CRMJ 2510, and COMM 1030: Peace Officer Standards & Training (P.O.S.T.) Certification includes similar coursework**
### Sophomore Year - Spring Semester

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<td>CRMJ 2280</td>
<td>CRIMINAL PROCEDURES</td>
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<td>ETHICS IN CRIMINAL JUSTICE</td>
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<td>SPAN 1010</td>
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**Subtotal: 19-20**

CRMJ 2400, CRMJ 2280, CRMJ 2450, and SPAN 1010: Required courses to receive A.A.S. Degree in Law Enforcement (must be included in the 24 hours of degree area coursework for graduation)

CRMJ 2400, CRMJ 2580, CRMJ 1015, CRMJ 2280, and CRMJ 2450: Peace Officer Standards & Training (P.O.S.T.) Certification includes similar coursework

Note: CRMJ courses are taught on a two-year rotation basis and may not be taught each semester; It is recommended courses be taken in the order shown above.

Internships in Law Enforcement are available for 1 to 4 variable credits; Interested students should discuss enrolling in CRMJ 2970 Internship with an academic advisor.

**Total Credit Hours: 71-72**

### Political Science Emphasis AA Degree

**Degree Requirements**

**Freshman Year - Fall Semester**

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<td>OR</td>
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**Subtotal: 16-17**

**Freshman Year - Spring Semester**

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<td>POLS 1200</td>
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**Subtotal: 17**

**Sophomore Year - Fall Semester**

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**Subtotal: 17**

**Spring Semester**

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**Subtotal: 17-18**

**Total Credit Hours: 67-69**

### PreLaw Emphasis AA Degree

**Degree Requirements**

**Freshman Year - Fall Semester**

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<td>OR</td>
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**Subtotal: 16-17**

**Freshman Year - Spring Semester**

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**Sophomore Year - Fall Semester**

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**Subtotal: 17-18**

**Total Credit Hours: 67-69**

Literature course options: ENGL 2250, ENGL 2260, ENGL 2310, ENGL 2320, ENGL 2370.
# Psychology Emphasis AA Degree

## Degree Requirements

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**Subtotal:** 17-18

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**Subtotal:** 17

### Sophomore Year - Fall Semester

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**Subtotal:** 17-18

### Sophomore Year - Spring Semester

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**Subtotal:** 16-17

**Total Credit Hours:** 67-70

Recommended Electives: Intro to Counseling (PSYC 2060), Abnormal Psychology (PSYC 2340), Ethics Diversity (PSYC 1060), Domestic Violence Sexual Assault (PSYC 1300), Psychology of Adjustment (PSYC 2330), Social Psychology (PSYC 2380), and Internship (PSYC 2470).

Please note that some Psychology courses are offered only in the Fall, Spring, or alternate years.

These suggested courses should meet all University of Wyoming AS and Psychology Department requirements. PSYC 2340 and PSYC 2380 fill mandated courses. The suggested programs should also meet requirements at most transfer institutions as the first two years of a bachelor’s degree in Psychology. Some psychology courses are designed to serve other majors and may be designated as upper division courses at universities. In all cases, check with your academic advisor.

# Social Science General Emphasis AA Degree

## 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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**Subtotal:** 15-16

**Total Credit Hours:** 65-67
## Social Work Emphasis AA Degree

### Degree Requirements

#### Freshman Year - Fall Semester

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#### Freshman Year - Spring Semester

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#### Total Credit Hours: 66-69

## Sociology Emphasis AA Degree

### Degree Requirements

#### Freshman Year - Fall Semester

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## Total Credit Hours: 66-69
Technology and Industry

The jobs of today and the future require new skills and, at the same time, a higher level of skill. The Technology and Industry Division is organized in such a way as to provide both basic and advanced skills for those wishing to enter or re-enter the work force of the future. The Technology and Industry Division is here to serve you, the student, with the most modern up-to-date facility in our part of the country.

Technical Labs

The Technology Industry wing of Western Wyoming Community College features modern shops and labs which provide instruction in a wide variety of programs. As a continuing effort to offer a curriculum that meets the entry-level training needs of industry, new equipment is added to the programs each year. Students at WWCC will be able to graduate with a Certificate or Associate of Applied Science degree from one of the most up-to-date facilities in the region.

Current Programs

The Technology and Industry Division provides studies in Automotive Technology, Natural Gas Compression Technology, Diesel Maintenance, Electronics, Industrial Electricity, Industrial Instrumentation, Mining and Industrial Maintenance, Oil Gas Production Technology and Welding Technology for those students wishing to gain skills in vocational and technical fields in preparation for employment in business and industry. Additional courses of study will be offered as the demand for them arises and staff and facilities of the college permit. An increasingly critical problem in contemporary society is the shortage of qualified craftsmen, artisans and technicians who possess the skills and technical knowledge required by our complicated technological society.

Students take courses in these fields for a number of the following reasons:

1. After one or two years of training and education at WWCC (depending upon the program chosen), students will be able to take positions with skills that can make them successful, efficient employees.

2. The programs also serve those students who plan to continue their technical education elsewhere, whether at four-year institutions or technical institutions.

3. Finally, technical courses can bridge the gap between the skilled worker on the one hand and highly specialized engineer or scientist on the other.

Customized Certificates

The Technology Industry division develops certificates that are customized to meet the needs of a particular local industry. These certificates are created after discussions with a local industry about its workforce’s needs. The certificate is a set of primarily existing courses configured to meet a specified skill set. The list of current certificates is on the WWCC website.

Part-time Students

Shift workers are advised that most Technology Industry Division classes have been adapted to fit your varying work schedule. Although the shift worker must register for a course as it appears in the current schedule of classes, he or she is not locked into attendance only at the times listed in the schedule. The instructor will gladly work with you so you can complete the class requirements around your work schedule.

Graduation Requirements

Students may receive the Associate of Applied Science (A.A.S.) Degree in the Division of Technology and Industry after completing a minimum 64 hours of credit and the appropriate coursework with at least a C average. The Certificate option of each program consists of only the vocational courses required for entry-level employment in a specific occupation. Requirements for each Certificate option are specified in the following program descriptions. The suggested programs in each of the following areas of emphasis for the associate degrees are offered as general guidelines. Each student’s program will be mutually devised by the student and the student’s advisor to fit individual needs and abilities.

Automotive Technology

The Automotive Technology program provides courses for those who want to prepare for the high-tech and exciting world of automotive service and repair. Multiple program options exist: a 68 credit hour program leading to an A.A.S. Degree in Automotive Technology, a 39 credit hour program leading to a One-Year Certificate in Automotive Technology, or a 39 credit hour program leading to the Certificate of Alternative Fuel Vehicle Technology. The Certificate in Automotive Technology and the Associate Degree in Automotive Technology will help the student to begin a career in the automotive industry that will be both fun and rewarding. The Certificate in Alternative Fuel Vehicle Technology will help the student to be able to work on some of the most high-tech vehicles that are becoming common place on today’s streets and highways.

Alternative Fuel Vehicle Technology Certificate

Degree Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1766 AUTOMOTIVE ELECTRICAL SYSTEMS II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1710 ENGINE FUNDAMENTALS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1770 AUTOMOTIVE ELECTRONICS</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2510 ENGINE PERFORMANCE I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2520 ENGINE PERFORMANCE II</td>
<td>3</td>
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<td>AUTO 2590 ENGINE PERFORMANCE III</td>
<td>3</td>
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<tr>
<td>AFVT 1500 INTRO TO ALTERNATIVE FUEL VEHICLES</td>
<td>3</td>
</tr>
<tr>
<td>AFVT 1600 LIGHT-DUTY DIESEL ENGINE PERFORMANCE I</td>
<td>3</td>
</tr>
<tr>
<td>AFVT 1610 LIGHT-DUTY DIESEL ENGINE PERFORMANCE II</td>
<td>3</td>
</tr>
<tr>
<td>AFVT 1620 NATURAL GAS VEHICLE FUEL SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>AFVT 1630 HYBRID ELECTRIC VEHICLE SYSTEMS I</td>
<td>3</td>
</tr>
<tr>
<td>AFVT 1640 HYBRID ELECTRIC VEHICLE SYSTEMS II</td>
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</tbody>
</table>

Subtotal: 39

Total Credit Hours: 39
# Automotive Technology AAS Degree

## Degree Requirements

### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>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>AUTO 1770</td>
<td>Automotive Electronics</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1690</td>
<td>Manual Power Transmission Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>Computer Information Systems</td>
<td>3</td>
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</tbody>
</table>

AUTO 1765, AUTO 1766, AUTO 1770, and AUTO 1690: Required courses to receive A.A.S. Degree in Automotive Technology must be passed with a “C” or better.

### Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AUTO 1760</td>
<td>Heating and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2510</td>
<td>Engine Performance I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2520</td>
<td>Engine Performance II</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2590</td>
<td>Engine Performance III</td>
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<tr>
<td>ENGL 2010</td>
<td>Technical Writing</td>
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<td>Health &amp; Human Activity</td>
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AUTO 1760, AUTO 2510, AUTO 2520, and AUTO 2590: Required courses to receive A.A.S. Degree in Automotive Technology must be passed with a “C” or better.

### Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AUTO 1730</td>
<td>Automatic Transmissions</td>
<td>6</td>
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<tr>
<td>AUTO 1740</td>
<td>Brake Systems</td>
<td>3</td>
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<tr>
<td>AUTO 2540</td>
<td>Advanced Brakes &amp; Suspension Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2545</td>
<td>Automotive Alignment &amp; Steering Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1700</td>
<td>Engine Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td></td>
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AUTO 1730, AUTO 1740, AUTO 2540, AUTO 2545, and AUTO 1700: Required courses to receive A.A.S. Degree in Automotive Technology must be passed with a “C” or better.

### Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>US GOVERNMENT</td>
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<tr>
<td>COMM 1030</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1010</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>OR Business Course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Lab Science or College Level</td>
<td>3-4</td>
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<tr>
<td>MATH</td>
<td>Approved Elective</td>
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<td></td>
<td>Health &amp; Human Activity</td>
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<tr>
<td></td>
<td>Assessment Requirement</td>
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<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>16-18</strong></td>
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</table>

Approved Electives: AUTO 1580 Basic Auto Maintenance, DESL 1595 Diesel Fundamentals, DESL 1600 Diesel Engines, TECH 1000 Intro to Technical Mathematics, TECH 1600 Industrial Safety, WELD 1755 Shielded Metal Arc Welding

**Total Credit Hours:** 68-70

# Automotive Technology Certificate

## Degree Requirements

### Students must complete the following required courses (33 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AUTO 1700</td>
<td>Engine Fundamentals</td>
<td>3</td>
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<tr>
<td>AUTO 1740</td>
<td>Brake Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1760</td>
<td>Heating and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1765</td>
<td>Automotive Electrical Systems I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 1766</td>
<td>Automotive Electrical Systems II</td>
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<td>AUTO 1770</td>
<td>Automotive Electronics</td>
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<tr>
<td>AUTO 2540</td>
<td>Advanced Brakes &amp; Suspension Systems</td>
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<tr>
<td>AUTO 2545</td>
<td>Automotive Alignment &amp; Steering Systems</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2510</td>
<td>Engine Performance I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 2520</td>
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<td>AUTO 2590</td>
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<tr>
<td></td>
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### Students must complete all of the required courses plus a minimum of 6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AUTO 1690</td>
<td>Manual Power Transmission Fundamentals</td>
<td>3</td>
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<td>AUTO 1730</td>
<td>Automatic Transmissions</td>
<td>6</td>
</tr>
<tr>
<td>DESL 1595</td>
<td>Diesel Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DESL 1600</td>
<td>Diesel Engines</td>
<td>6</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>Concepts of Physics</td>
<td>4</td>
</tr>
<tr>
<td>TECH 1000</td>
<td>Intro to Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600</td>
<td>Industrial Safety</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1755</td>
<td>Shielded Metal Arc Welding</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
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</tbody>
</table>

**Total Credit Hours:** 39
Diesel and Heavy Equipment Technology

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 hand-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.

Diezel Technology Certificate

Degree Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
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<tbody>
<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I 3</td>
</tr>
<tr>
<td>AUTO 1766</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS II 3</td>
</tr>
<tr>
<td>AUTO 1770</td>
<td>AUTOMOTIVE ELECTRONICS 3</td>
</tr>
<tr>
<td>DESL 1590</td>
<td>HEAVY DUTY POWER TRAINS 6</td>
</tr>
<tr>
<td>AUTO 1740</td>
<td>BRAKE SYSTEMS 3</td>
</tr>
<tr>
<td>DESL 1680</td>
<td>HD BRAKE &amp; SUSPENSION 3</td>
</tr>
<tr>
<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS 3</td>
</tr>
<tr>
<td>DESL 1600</td>
<td>DIESEL ENGINES 6</td>
</tr>
<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER) 3</td>
</tr>
<tr>
<td>TECH 1000</td>
<td>INTRO TO TECHNICAL MATHEMATICS OR 3</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS 4</td>
</tr>
<tr>
<td>WELD 1710</td>
<td>OXYACETYLENE WELDING AND 2</td>
</tr>
<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING OR 1</td>
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<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING 3</td>
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</table>

Subtotal: 39-40

Total Credit Hours: 39-40

Diesel Technology with CDL Certificate

Degree Requirements

<table>
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<tr>
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<tbody>
<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I 3</td>
</tr>
<tr>
<td>DESL 1590</td>
<td>HEAVY DUTY POWER TRAINS 6</td>
</tr>
<tr>
<td>DESL 1680</td>
<td>HD BRAKE &amp; SUSPENSION 3</td>
</tr>
<tr>
<td>AUTO 1766</td>
<td>AUTOMOTIVE ELECTRIC SYSTEMS II 3</td>
</tr>
<tr>
<td>AUTO 1770</td>
<td>AUTOMOTIVE ELECTRONICS 3</td>
</tr>
<tr>
<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS 3</td>
</tr>
<tr>
<td>DESL 1600</td>
<td>DIESEL ENGINES 6</td>
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<tr>
<td>INDM 1570</td>
<td>IND HYDRAULICS I (FLUID POWER) 3</td>
</tr>
<tr>
<td>TECH 1000</td>
<td>INTRO TO TECH MATHEMATICS OR 3</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS 4</td>
</tr>
<tr>
<td>WELD 1710</td>
<td>OXYACETYLENE WELDING AND 2</td>
</tr>
<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING OR 1</td>
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<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING 3</td>
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<tr>
<td>TTD 1500</td>
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Subtotal: 41-42

Total Credit Hours: 41-42

Diesel and Heavy Equipment Technology AAS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>COURSE</th>
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<tbody>
<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I 3</td>
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<tr>
<td>AUTO 1766</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS II 3</td>
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<td>AUTO 1770</td>
<td>AUTOMOTIVE ELECTRONICS 3</td>
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<tr>
<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS 3</td>
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<tr>
<td>DESL 1590</td>
<td>HEAVY DUTY POWER TRAINS 6</td>
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Subtotal: 18

AUTO 1765, AUTO 1766, AUTO 1770, DESL 1595, and DESL 1590: Required courses for A.A.S. degree in Diesel and Heavy Equipment Technology

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>COURSE</th>
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<tbody>
<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER) 3</td>
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<tr>
<td>DESL 1680</td>
<td>HD BRAKE &amp; SUSPENSION 3</td>
</tr>
<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING 3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING 3</td>
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<tr>
<td>US GOVERNMENT</td>
<td>HEALTH &amp; HUMAN ACTIVITY 3</td>
</tr>
</tbody>
</table>

Subtotal: 16

INDM 1570, DESL 1680, and WELD 1755: Required course for A.A.S. degree in Diesel and Heavy Equipment Technology

Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>COURSE</th>
<th></th>
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<tbody>
<tr>
<td>AUTO 1760</td>
<td>HEATING AND AIR CONDITIONING 3</td>
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<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY 3</td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS 4</td>
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<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION 3</td>
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<td>ELECTIVE COURSES</td>
<td>ASSESSMENT REQUIREMENT 0-1</td>
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Subtotal: 16

AUTO 1760 and TECH 1600: Required courses for A.A.S. degree in Diesel and Heavy Equipment Technology

Total Credit Hours: 66-69
Diesel & Heavy Equipment Technology Certificate

Degree Requirements

Requirements List
AUTO 1765 AUTOMOTIVE ELECTRICAL SYSTEMS I 3
AUTO 1770 AUTOMOTIVE ELECTRONICS 3
AUTO 1766 AUTOMOTIVE ELECTRICAL SYSTEMS II 3
DESL 1590 HEAVY DUTY POWER TRAINS 6
DESL 1680 HD BRAKE & SUSPENSION 3
DESL 1595 DIESEL FUNDAMENTALS 3
DESL 1600 DIESEL ENGINES 6
AUTO 1760 HEATING AND AIR CONDITIONING 3
INDM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
INDM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER) 3
INDM 1585 INDUSTRIAL HYDRAULICS III 3
WELD 1755 SHIELDED METAL ARC WELDING 3
WELD 1760 ADV. SHIELDED METAL ARC WELDING 3
WELD 1770 GAS METAL ARC WELDING 3
WELD 1840 GROOVE WELDING PLATE 3

Subtotal: 45

Total Credit Hours: 45

Electrical, Instrumentation, Control Technology Certificate

Degree Requirements

Required Core Curriculum of minimum 20.5-21 credits:
ELTR 1505 ELECTRICAL ASSEMBLY & MEASURE 3
ELTR 1520 BASIC ELECTRICITY, DC 3
ELTR 1530 BASIC ELECTRICITY, AC 3
ELTR 1840 INSTRUMENTATION I 3
ELTR 1841 INSTRUMENTATION I FOR INDUSTRY 2.5
ELTR 1850 INSTRUMENTATION-OIL & GAS PRODUCTION 3
ELTR 2815 PROGRAMMABLE LOGIC CONTROLLERS 3
ELTR 2840 MOTOR CONTROLS 3
TECH 1000 INTRO TO TECHNICAL MATHEMATICS 3

Subtotal: 20.5-21

Remaining minimum 15-15.5 credit hours to be selected from the following:
ELTR 1030 PROGRAMMABLE LOGIC CONTROLLER FOR INDUSTRY: 1-3
ELTR 1035 PROCESS CONTROL TECHNIQUES: 1-3
ELTR 1700 INTRODUCTION TO SOLID STATE ELECTRONICS 4
ELTR 1760 INTRO TO DIGITAL ELECTRONICS 4
ELTR 2620 CONTROL SYSTEM COMMUNICATIONS 3
ELTR 2820 POWER DISTRIBUTION 3
ELTR 2825 INDUSTRIAL ELECTRICAL TROUBLESHOOTING 3
ELTR 2844 REMOTE TERMINAL UNIT PROGRAMMING 3
ELTR 2846 HUMAN MACHINE INTERFACE PROGRAMMING 3
ELTR 2855 ADVANCED PROGRAMMABLE LOGIC CONTROLLERS 3
ELTR 2885 INSTRUMENTATION II 3
ELTR 2890 INSTRUMENTATION III 3
ELTR 2980 CO-OP WORK EXPERIENCE: ANY ELECTRICAL APPRENTICESHIP COURSE (ELAP) MAX 3 1-3
INDM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
INDM 1590 INDUSTRIAL PNEUMATICS 3
TECH 1600 INDUSTRIAL SAFETY 3
TECH 1680 READING TECHNICAL SCHEMATICS 3
COMPUTER APPLICATIONS COURSE APPROVED DIRECTLY RELATED ELECTIVES 1-6

Subtotal: 15-15.5

Total Credit Hours: 35.5-36.5

Electrical and Instrumentation Technology

Western currently offers two certificate options and one A.A.S. degree in the electrical and instrumentation field - a 24 hour Certificate Program in Electricity, a 36 hour Certificate in Electronics/Instrumentation/Control Technology, and an A.A.S. Degree in Electrical Instrumentation Technology.

The 24 hour certificate Program in Electricity fulfills the state of Wyoming’s education requirements for apprentice electricians preparing for their Journeyman’s License. The program is designed for students who are currently working as full time electrical apprentices and is a succession of eight, 3 credit night classes focusing on the NEC code regulations.

The 36 hour Certificate in Electronics/Instrumentation/Control Technology and the A.A.S. Degree in Electrical & Instrumentation are designed to provide the student with a wide variety of electrical courses to prepare them for a job as an electrical technician. The need for trained electrical technicians continues to climb in a wide variety of industries including: power plants, oil and gas production facilities, mining operations, and chemical processing plants. This program strives to meet the needs of the various industries. The types of students receiving this certificate and/or degree ranges from the traditional student who is interested in a career in the electrical field to electricians who are currently working in industry and are upgrading their skills.
Electrical Apprenticeship Certificate

Degree Requirements

Apprentices of Independent Electrical Contractors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ELAP 1515</td>
<td>ELECTRICAL APPRENTICESHIP I</td>
<td>3</td>
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<tr>
<td>ELAP 1525</td>
<td>ELECTRICAL APPRENTICESHIP II</td>
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<tr>
<td>ELAP 1535</td>
<td>ELECTRICAL APPRENTICESHIP III</td>
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<td>ELAP 1545</td>
<td>ELECTRICAL APPRENTICESHIP IV</td>
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<td>ELAP 1555</td>
<td>ELECTRICAL APPRENTICESHIP V</td>
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<td>ELECTRICAL APPRENTICESHIP VI</td>
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<td>ELAP 1585</td>
<td>ELECTRICAL APPRENTICESHIP VIII</td>
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Subtotal: 24

Total Credit Hours: 24

Electrical and Instrumentation Technology AAS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ELTR 1505</td>
<td>ELECTRICAL ASSEMBLY &amp; MEASURE</td>
<td>3</td>
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<tr>
<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1530</td>
<td>BASIC ELECTRICITY, AC</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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<tr>
<td></td>
<td>LAB SCIENCE OR COLLEGE LEVEL</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>MATH</td>
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</tr>
</tbody>
</table>

Subtotal: 16-17

ELTR 1505, ELTR 1520, and ELTR 1530: Required courses to receive A.A.S. Degree in Electrical Instrumentation Technology

Freshman Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTR 1840</td>
<td>INSTRUMENTATION I OR</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 1841</td>
<td>INSTRUMENTATION I FOR IND OR</td>
<td>2.5</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ADDITIONAL ELTR COURSE</td>
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<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15.5-16

ELTR 1840, ELTR 1841, or ELTR 1850, ELTR 2885, and Additional ELTR course: Required courses to receive A.A.S. Degree in Electrical Instrumentation Technology

Additional ELTR courses: may include any ELTR course not already required for this degree

Sophomore Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTR 2840</td>
<td>MOTOR CONTROLS</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 2820</td>
<td>POWER DISTRIBUTION</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ADDITIONAL ELTR COURSE</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3</td>
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<tr>
<td></td>
<td>US GOVERNMENT</td>
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<tr>
<td></td>
<td>DIRECTLY RELATED ELECTIVES</td>
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</tbody>
</table>

Subtotal: 18

ELTR 2840, ELTR 2820, Additional ELTR course: Required courses to receive A.A.S. Degree in Electrical Instrumentation Technology

Directly Related Electives: may include any T&I course, or College Level Math course (MATH 1000 or higher), or ES course, or BIOL, CHEM, PHYS Lab Science course

Sophomore Year - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTR 2815</td>
<td>PROGRAMMABLE LOGIC</td>
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<tr>
<td>ELTR 2825</td>
<td>INDUSTRIAL ELECTRICAL TROUBLESHOOTING</td>
<td>3</td>
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<td></td>
<td>DIRECTLY RELATED ELECTIVES</td>
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<tr>
<td></td>
<td>ASSESSMENT REQUIREMENT</td>
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</table>

Subtotal: 15-16

ELTR 2815 and ELTR 2825: Required courses to receive A.A.S. Degree in Electrical & Instrumentation Technology

Directly Related Electives: may include any T&I course, or College Level Math course (MATH 1000 or higher), or ES course, or BIOL, CHEM, PHYS Lab Science course

Total Credit Hours: 64-67

Industrial Maintenance

The Industrial Maintenance program offers both the A.A.S. degree and a number of certificates (see requirements for the A.A.S. degree programs). The Industrial Maintenance certificates allow options in Hydraulics or Welding. The program offers additional certificates in surface maintenance mechanics, underground mechanics and a certificate for apprentice power plant mechanics. After completing the required courses listed, the student may apply and receive a certificate. After completing the required credits and all degree requirements the student may apply to receive an A.A.S. degree.

Industrial Maintenance Technology Mechanics, Hydraulics Option Certificate

Degree Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</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>INDM 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
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<tr>
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<td>INDUSTRIAL MECHANICS V</td>
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</tr>
<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER)</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1580</td>
<td>INDUSTRIAL HYDRAULICS II (FLUID POWER)</td>
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<tr>
<td>INDM 1585</td>
<td>INDUSTRIAL HYDRAULICS III</td>
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<tr>
<td>INDM 1590</td>
<td>INDUSTRIAL PNEUMATICS</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ANY WELDING COURSES (EXCLUDING WELD 2635)</td>
<td>9</td>
</tr>
</tbody>
</table>

Subtotal: 42

Total Credit Hours: 42
### Industrial Maintenance Technology

#### Mechanics, Welding Option Certificate

**Degree Requirements**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
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<td>INDM 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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<td>INDUSTRIAL MECHANICS III</td>
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<tr>
<td>INDM 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
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</tr>
<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1680</td>
<td>READING TECHNICAL SCHEMATICS</td>
<td>3</td>
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</tbody>
</table>

Any Welding Courses (excluding WELD 1710, WELD 2630, or WELD 2635) 18 Subtotal: 39

**Total Credit Hours: 39**

#### Industrial Maintenance Technology AAS Degree

**Degree Requirements**

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
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</tr>
<tr>
<td>INDM 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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<tr>
<td>INDM 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
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</tr>
<tr>
<td>COSC 1200</td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
<td>4</td>
</tr>
</tbody>
</table>

Health & Human Activity 1 Subtotal: 17

INDM 1510-1530: Required courses receive A.A.S. degree in Industrial Maintenance.

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
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</tr>
<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>MCH 2740</td>
<td>MACHINE TOOL PROCESSES I</td>
<td>4</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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</tr>
</tbody>
</table>

Health & Human Activity 1 Subtotal: 17

INDM 1540-1550, and INDM 1560: Required courses receive A.A.S. degree in Industrial Maintenance.

**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1590</td>
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<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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</tr>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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</tbody>
</table>

Subtotal: 15

INDM 1590: Required courses receive A.A.S. degree in Industrial Maintenance.

Approved Welding Courses: Any welding course (excluding WELD 1710, 2630 & 2635)

**Subtotal: 39**

**Power Plant Maintenance Mechanics Certificate**

This one year 44 credit certificate program is designed to meet the needs of the power plant apprentice mechanics.

**Degree Requirements**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
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</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>
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</tr>
<tr>
<td>INDM 1540</td>
<td>INDUSTRIAL MECHANICS IV</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
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</tr>
<tr>
<td>MCH 2740</td>
<td>MACHINE TOOL PROCESSES I</td>
<td>4</td>
</tr>
<tr>
<td>MCH 2750</td>
<td>MACHINE TOOL PROCESSES II</td>
<td>4</td>
</tr>
<tr>
<td>TECH 1550</td>
<td>GENERAL METALLURGY</td>
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<tr>
<td>TECH 1680</td>
<td>READING TECHNICAL SCHEMATICS</td>
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</tr>
</tbody>
</table>

Any Welding Courses (excluding WELD 1710, WELD 2630, or WELD 2635) 12 Subtotal: 44

**Total Credit Hours: 44**

#### 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
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</tr>
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<td>INDM 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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</tr>
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<td>INDUSTRIAL MECHANICS IV</td>
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<td>INDUSTRIAL MECHANICS V</td>
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<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
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</tr>
<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER)</td>
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</tr>
<tr>
<td>INDM 1580</td>
<td>INDUSTRIAL HYDRAULICS II (FLUID POWER)</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1585</td>
<td>INDUSTRIAL HYDRAULICS III</td>
<td>3</td>
</tr>
<tr>
<td>TECH 1680</td>
<td>READING TECHNICAL SCHEMATICS</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<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>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
<td>3</td>
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<td>INDM 1520</td>
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<td>INDM 1550</td>
<td>INDUSTRIAL MECHANICS V</td>
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<td>PREVENTIVE MAINTENANCE</td>
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<tr>
<td>INDM 1570</td>
<td>INDUSTRIAL HYDRAULICS I (FLUID POWER)</td>
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<tr>
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<td>INDUSTRIAL HYDRAULICS II (FLUID POWER)</td>
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</tr>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 42

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

Total Credit Hours: 42

Customized Maintenance Mechanic Certificates 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 below totaling 36 credits will be identified as appropriate for a Maintenance Certificate for that individual company and its designated employees.

Maintenance Mechanic Certificate for Industry

Degree Requirements

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

<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 1770</td>
<td>AUTOMOTIVE ELECTRONICS</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1510</td>
<td>INDUSTRIAL MECHANICS I</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1520</td>
<td>INDUSTRIAL MECHANICS II</td>
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</tr>
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<td>INDM 1530</td>
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<td>PREVENTIVE MAINTENANCE</td>
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</tr>
<tr>
<td>INDM 1570</td>
<td>IND HYDRAULICS I (FLUID POWER)</td>
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<td>INDM 1580</td>
<td>IND HYDRAULICS II (FLUID POWER)</td>
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<tr>
<td>INDM 1585</td>
<td>INDUSTRIAL HYDRAULICS III</td>
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<tr>
<td>TECH 1600</td>
<td>READING TECHNICAL SCHEMATICS</td>
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</tr>
</tbody>
</table>

Subtotal: 36

Total Credit Hours: 36

Industrial Safety

Industrial or occupational health and safety is the science and practice of anticipation, recognition, evaluation, and control of health hazards arising from the work environment. It includes a range of aspects of health and safety in the workplace, such as, physical injury, on-the-job-stress, and biological and chemical hazards.

The Industrial Safety program offers the Associate of Applied Science degree as well as a Certificate in Industrial Safety. The A.A.S. degree will provide the tools and training for professional success for those already involved in the field of industrial safety and health. It is not intended for those without experience. When combined with experience in the field, the program will provide the knowledge and skills needed to qualify for taking the Safety Fundamentals Exam for certification by the Board of Certified Safety Professionals (BCSP).
# Industrial Health and Safety AAS Degree

This program includes flexible entry courses taught in intense short block courses of 1, 2, and 5 weeks.

## Degree Requirements

### Required Courses: All courses listed are required (23-25 credits)

- **TECH 1600** Industrial Safety 3
- **EMGT 1530** Emergency Planning for Disaster 3
- **EMGT 2640** Disaster Resource & Recovery Operations 3
- **HLTK 1670** Basic Emergency Care 3
- **SAFE 1501** Health, Safety & Environ. Systems Mgmt 3
- **SAFE 1502** Fundamentals of Industrial Hygiene Approved: 5-8
- **Approved Management/Leadership Courses**: 5-8

**Subtotal: 23-25**

### Directly Related Courses: 21 credits minimum from the following list

- **ELTR 1501** Elect Safety Awareness I 0.5-3
- **EMGT 1500** Principles of Emergency Management 3
- **EMGT 2610** Disaster Exercise Design & Evaluation 3
- **INDM 1595** Special Topics in Ind Maint: 0.5-3
- **MGT 1000** Introduction to Supervision 3
- **MINE 1500** Introduction to Mining 3
- **MINE 1850** MSHA Surface New Miner 1.5
- **MINE 1870** MSHA Underground New Miner 2
- **OGPT 1501** Well Cap Drilling 2.5
- **SAFE 1543** Contractor Expectations Safety Orient 0.5
- **SAFE 1545** Safety & Rigging for Industry 2.5
- **TTD 1500** Novice CDL Training 5

**Subtotal: 21**

### General Education Courses: All courses listed are required (20-22 credits)

- **ENGL 1010** English Composition I 3
- **ENGL 2010** Technical Writing 3
- **COSC 1200** Computer Information Systems 3
- **COSC 1201** Interpersonal Communications, General Psychology, or Other Social Science, Applied Art, or Humanities 3
- **MATH 1000** Problem Solving 3
- **PHYS 1050** Concepts of Physics 4
- **CHEM 1000** Introductory Chemistry 4
- **HEALTH & HUMAN ACTIVITY**: 1
- **ASSESSMENT REQUIREMENT**: 0-1

**Subtotal: 20-22**

Total Credit Hours: 64-68

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# Industrial Safety Certificate

## Degree Requirements

### Required Courses

- **COSC 1200** Computer Information Systems 3
- **CMAP 1750** Spreadsheet Applications: 3
- **HLTK 1670** Basic Emergency Care 3
- **HLED 1225** First Aid and CPR 2
- **Approved Communication Courses**: Interpersonal Communication (COMM 1030), Intro to Human Communication (COMM 1040), Introduction to Persuasion (COMM 2090), Public Relations (COMM 2270), Public Speaking (COMM 1010), Nonverbal Communication (COMM 2110)

**First Aid CPR**: Students may take HLED 1225 or provide verification of a current, valid certificate recognized National Safety Council or American Heart Association

### Directly-related course options—a minimum of 9 credits is required:

- **HLTK 1505** PHTLS: Pre-Hospital Trauma Life Support 1
- **INDM 1595** Special Topics in Ind Maint: 0.5-3
- **MINE 1500** Introduction to Mining 3
- **MINE 1850** MSHA Surface New Miner 1.5
- **MINE 1870** MSHA Underground New Miner 2
- **SAFE 1501** Health, Safety & Environ. Systems Mgmt 3
- **SAFE 1543** Contractor Expectations Safety Orient 0.5
- **SAFE 1545** Safety & Rigging for Industry 2.5
- **SAFE 1544** Haz Waste Operations & Emergency Response 2.5
- **TTD 1500** Novice CDL Training 5

**Subtotal: 21-23**

Total Credit Hours: 21-23
Mining Maintenance Technology

The Mining Maintenance Technology program is designed to prepare the student for employment in the mining industry. The student will acquire the ability to troubleshoot, repair and maintain mining equipment as a result of training in mechanics, diesel technology, and hydraulics. The student will also receive training in related industrial technology courses. A graduate of this program with a one-year certificate or two-year degree can be a valuable asset to the mine maintenance field.

Mining Maintenance Technology AAS Degree

Degree Requirements

Freshman Year - Fall Semester
- INDM 1510 INDUSTRIAL MECHANICS I 3
- INDM 1520 INDUSTRIAL MECHANICS II 3
- INDM 1530 INDUSTRIAL MECHANICS III 3
- ENGL 1010 ENGLISH COMPOSITION I 3
- PHYS 1050 CONCEPTS OF PHYSICS 4

Subtotal: 16

Freshman Year - Spring Semester
- INDM 1540 INDUSTRIAL MECHANICS IV 3
- INDM 1550 INDUSTRIAL MECHANICS V 3
- COMM 1030 INTERPERSONAL COMMUNICATION 3
- ENGL 2010 TECHNICAL WRITING 3
- TECH 1600 INDUSTRIAL SAFETY 3

Subtotal: 16

Sophomore Year - Fall Semester
- DESL 1595 DIESEL FUNDAMENTALS 3
- MCH 2740 MACHINE TOOL PROCESSES I 4
- TECH 1680 READING TECHNICAL SCHEMATICS 3
- COSC 1200 COMPUTER INFORMATION SYSTEMS 3

Subtotal: 19

Sophomore Year - Spring Semester
- INDM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
- INDM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER) 3
- INDM 1585 INDUSTRIAL HYDRAULICS III 3
- MINE 1500 INTRODUCTION TO MINING 3
- US GOVERNMENT 3
- HEALTH & HUMAN ACTIVITY 1
- ASSESSMENT REQUIREMENT 0-1

Subtotal: 16-17

Total Credit Hours: 67-68

Mining Maintenance Technology Certificate

Degree Requirements

Required Courses
- INDM 1510 INDUSTRIAL MECHANICS I 3
- INDM 1520 INDUSTRIAL MECHANICS II 3
- INDM 1530 INDUSTRIAL MECHANICS III 3
- TECH 1680 READING TECHNICAL SCHEMATICS 3
- INDM 1570 INDUSTRIAL HYDRAULICS I (FLUID POWER) 3
- INDM 1580 INDUSTRIAL HYDRAULICS II (FLUID POWER) 3
- INDM 1585 INDUSTRIAL HYDRAULICS III 3
- DESL 1595 DIESEL FUNDAMENTALS 3
- TECH 1600 INDUSTRIAL SAFETY 3
- ANY 2 WELDING COURSES (EXCLUDING WELD 1710, 2630, OR 2635) 6

Subtotal: 39

Total Credit Hours: 39

Electrical Mine Maintenance Certificate

This certificate is designed to prepare students for a career in the electrical maintenance field in the mining industry. To receive this certificate students must complete all courses listed below.

Degree Requirements

Required Courses
- ELTR 1505 ELECTRICAL ASSEMBLY & MEASURE 3
- ELTR 1520 BASIC ELECTRICITY, DC 3
- ELTR 1530 BASIC ELECTRICITY, AC 3
- ELTR 1700 INTRODUCTION TO SOLID STATE ELECTRONICS 4
- ELTR 1840 INSTRUMENTATION I 3
- ELTR 1841 INSTRUMENTATION I FOR INDUSTRY 2.5
- ELTR 1850 INSTRUMENTATION-OIL & GAS PRODUCTION 3
- ELTR 2815 PROGRAMMABLE LOGIC CONTROLLERS 3
- ELTR 2820 POWER DISTRIBUTION 3
- ELTR 2840 MOTOR CONTROLS 3
- ELTR 2885 INSTRUMENTATION II 3
- TECH 1680 READING TECHNICAL SCHEMATICS 3
- COSC 1200 COMPUTER INFORMATION SYSTEMS OR COLLEGE LEVEL MATH 3-4

Subtotal: 33.5-35

Total Credit Hours: 33.5-35
Natural Gas Compression Technology

The Natural Gas Compression Technology program is designed to prepare the student for employment in the natural gas compression industry. The student will acquire the ability to troubleshoot, repair and maintain compression equipment as a result of lecture and hands-on training in compression theory, pneumatics, compressor mechanics, gas engine mechanics, electric motors, precision measuring, alignment, vibration analysis, oil analysis, rigging, balancing and safety. The student will also receive training in related industrial technology courses. A graduate of this program with a one-year certificate or two-year degree will be a valuable asset to the natural gas compression industry.

Natural Gas Compression Technology Certificate

Degree Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPT 1510</td>
<td>COMPRESSION TECHNOLOGYI</td>
<td>3</td>
</tr>
<tr>
<td>CMPT 1520</td>
<td>COMPRESSION TECHNOLOGY II</td>
<td>3</td>
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<td>CMPT 1530</td>
<td>COMPRESSION TECHNOLOGY III</td>
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<td>DESL 1595</td>
<td>DIESEL FUNDAMENTALS</td>
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<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS</td>
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<tr>
<td>ELTR 2840</td>
<td>MOTOR CONTROLS</td>
<td>3</td>
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<tr>
<td>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
<td>3</td>
</tr>
<tr>
<td>INDM 1530</td>
<td>INDUSTRIAL MECHANICS III</td>
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<tr>
<td>INDM 1590</td>
<td>INDUSTRIAL PNEUMATICS</td>
<td>3</td>
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<tr>
<td>AUTO 1765</td>
<td>AUTOMOTIVE ELECTRICAL SYSTEMS I</td>
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</tr>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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<td>COSC 1200</td>
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Subtotal: 36

Total Credit Hours: 36

Natural Gas Compression Technology AAS Degree

Degree Requirements

Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
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<tr>
<td>OGPT 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
<td>3</td>
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<td>OGPT 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
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<tr>
<td>MATH 1000</td>
<td>PROBLEM SOLVING</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
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<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
<td>4</td>
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Subtotal: 15-16

OGPT 1510, OGPT 1520, and OGPT 1530: Courses required for A.A.S. Degree in Natural Gas Compression Technology

MATH 1000: or higher

Freshman Year - Spring Semester

<table>
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<tr>
<th>Course</th>
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<th>Hours</th>
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<tr>
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</tr>
<tr>
<td>CMPT 1520</td>
<td>COMPRESSION TECHNOLOGY II</td>
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<td>CMPT 1530</td>
<td>COMPRESSION TECHNOLOGY III</td>
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</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>OR</td>
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<tr>
<td>DIRECTLY RELATED ELECTIVES</td>
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Subtotal: 18

CMPT 1510, CMPT 1520, and CMPT 1530: Courses required for A.A.S. Degree in Natural Gas Compression Technology
Oil and Gas Production Technology

The Oil and Gas Production Technology Program offers students core courses related to Process Operations. It is designed to develop technical knowledge regarding gas operations, and prepare students to develop careers as Production Technicians in the natural gas industry.

### Oil and Gas Production Operator Certificate

**Degree Requirements**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th></th>
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<tbody>
<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
</tr>
<tr>
<td>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
</tr>
<tr>
<td>OGPT 1520</td>
<td>OIL &amp; GAS PRODUCTION II</td>
</tr>
<tr>
<td>OGPT 1530</td>
<td>OIL &amp; GAS PRODUCTION III</td>
</tr>
<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
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<tr>
<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
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<td><strong>Subtotal:</strong></td>
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</tbody>
</table>

*OGPT 1510, OGPT 1520, OGPT 1530, ELTR 1520: For students continuing coursework beyond the One-Year Certificate, these courses are also required to earn the A.A.S. degree in Oil Gas Production Technology.*

<table>
<thead>
<tr>
<th>Spring Semester</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>INDM 1590</td>
<td>INDUSTRIAL PNEUMATICS</td>
</tr>
<tr>
<td>OGPT 1515</td>
<td>OIL &amp; GAS PUMP TECHNOLOGY</td>
</tr>
<tr>
<td>OGPT 1540</td>
<td>OIL &amp; GAS PRODUCTION IV</td>
</tr>
<tr>
<td>HLED 1225</td>
<td>FIRST AID AND CPR</td>
</tr>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
</tr>
<tr>
<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
</tr>
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</tbody>
</table>

*INDM 1590, OGPT 1515, OGPT 1540, ELTR 1850: For students continuing coursework beyond the One-Year Certificate, these courses are also required to earn the A.A.S. degree in Oil Gas Production Technology.*

| Total Credit Hours: | 35 |

### Oil and Gas Production Technology AAS Degree

**Degree Requirements**

<table>
<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
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<tbody>
<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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<td>OGPT 1510</td>
<td>OIL &amp; GAS PRODUCTION I</td>
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<td>OGPT 1520</td>
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<td>OIL &amp; GAS PRODUCTION III</td>
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<td><strong>Subtotal:</strong></td>
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*OGPT 1510, OGPT 1520, and OGPT 1530: Required to earn A.A.S. Degree in Oil Gas Production Technology*

<table>
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<tr>
<th>Freshman Year - Spring Semester</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<tr>
<td>INDM 1590</td>
<td>INDUSTRIAL PNEUMATICS</td>
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<tr>
<td>OGPT 1515</td>
<td>OIL &amp; GAS PUMP TECHNOLOGY</td>
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<tr>
<td>OGPT 1540</td>
<td>OIL &amp; GAS PRODUCTION IV</td>
</tr>
<tr>
<td>HLED 1225</td>
<td>FIRST AID AND CPR</td>
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*INDM 1590, OGPT 1515, and OGPT 1540: Required to earn A.A.S. Degree in Oil Gas Production Technology*

<table>
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<tr>
<th>Summer Session</th>
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<tr>
<td>OGPT 2470</td>
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*3 to 6 variable (Optional)*

<table>
<thead>
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<th>Sophomore Year - Fall Semester</th>
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<tbody>
<tr>
<td>ENGL 2010</td>
<td>TECHNICAL WRITING</td>
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<tr>
<td>COMM 1030</td>
<td>INTERPERSONAL COMMUNICATION</td>
</tr>
<tr>
<td>INDM 1560</td>
<td>PREVENTIVE MAINTENANCE</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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<td>ELTR 1850</td>
<td>INSTRUMENTATION-OIL &amp; GAS PRODUCTION</td>
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<tr>
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<td>16</td>
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*ELTR 1850: Required to earn A.A.S. Degree in Oil Gas Production Technology*

<table>
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<tr>
<th>Sophomore Year - Spring Semester</th>
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<tbody>
<tr>
<td>US GOVERNMENT</td>
<td>3</td>
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<tr>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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</tr>
<tr>
<td>ELTR 1520</td>
<td>BASIC ELECTRICITY, DC</td>
</tr>
<tr>
<td>TECH 1680</td>
<td>DIRECTLY RELATED ELECTIVES</td>
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<tr>
<td><strong>Subtotal:</strong></td>
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</table>

*ELTR 1520: Required to earn A.A.S. Degree in Oil Gas Production Technology*

**Total Credit Hours: 65-69**
**Welding Technology**

The Welding Technology program has been designed to prepare the student to enter the workforce as a qualified entry-level welder. A Qualified Welder is one who is Certified in one or more welding processes and who has an understanding of the basic requirements of the craft. All Welding Options have been designed to teach the student the welding techniques and processes used in that particular field. Emphasis will be placed on welding safety and weld quality.

Students seeking an A.A.S. degree may choose one of three options: Fabrication Shop Welding, Mine Maintenance Welding, or Industrial Plant Welding. In addition, we offer a one-year Skills Proficiency Certificate in the same areas.

The welding lab at Western Wyoming Community College is an American Welding Society Accredited Testing Facility. As such, as students go through our program, they will be given the opportunity to pass weld qualification tests. If successful, students will be issued Welder Performance Qualification Test records to verify their skills.

Jobs available to Certified Welders include: Plant Maintenance Welder (Power Plants, Chemical Plants, Oil Refineries), Oilfield Facilities/Pipeline Welding, Fabrication Shop Fitter/Welders, and many others.

**Welding Technology - Fabrication Shop Option Certificate**

**Degree Requirements**

**Fabrication Shop Option**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING</td>
<td>1</td>
</tr>
<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1760</td>
<td>ADV. SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1770</td>
<td>GAS METAL ARC WELDING</td>
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</tr>
<tr>
<td>WELD 1774</td>
<td>GAS METAL ARC WELDING - PIPE</td>
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<tr>
<td>WELD 1776</td>
<td>FLUX CORED ARC WELDING - PIPE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1780</td>
<td>GAS TUNG ARC WELDING - PLATE</td>
<td>4</td>
</tr>
<tr>
<td>WELD 1840</td>
<td>GROOVE WELDING PLATE</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1960</td>
<td>SUBMERGED ARC WELDING</td>
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<tr>
<td>TECH 1550</td>
<td>GENERAL METALLURGY</td>
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<tr>
<td>TECH 1600</td>
<td>INDUSTRIAL SAFETY</td>
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<tr>
<td>TECH 1680</td>
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</table>

**Total Credit Hours: 33**

**Welding Technology Fabrication Shop Option AAS Degree**

**Degree Requirements**

**Freshman Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>WELD 1715</td>
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<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
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<td>WELD 1760</td>
<td>ADV. SHIELDED METAL ARC WELDING</td>
<td>3</td>
</tr>
<tr>
<td>WELD 1840</td>
<td>GROOVE WELDING PLATE</td>
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<tr>
<td>TECH 1600</td>
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<tr>
<td>TECH 1680</td>
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**Total Credit Hours: 19**

**Freshman Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
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<td>WELD 1774</td>
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<td>WELD 1776</td>
<td>FLUX CORED ARC WELDING - PIPE</td>
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<td>TECH 1550</td>
<td>GENERAL METALLURGY</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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</tr>
<tr>
<td>TECH 1680</td>
<td>HEALTH &amp; HUMAN ACTIVITY</td>
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**Subtotal: 18**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>WELD 1770, WELD 1774, WELD 1776, and TECH 1550</td>
<td>Required courses to receive A.A.S. degree in Welding Technology, Fabrication Shop Option</td>
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**Sophomore Year - Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>WELD 1960</td>
<td>SUBMERGED ARC WELDING</td>
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<tr>
<td>WELD 1780</td>
<td>GAS TUNG ARC WELDING - PLATE</td>
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<td>TECH 1550</td>
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<td>TECH 1680</td>
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**Sophomore Year - Spring Semester**

<table>
<thead>
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<th>Credits</th>
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<tbody>
<tr>
<td>WELD 2510</td>
<td>PIPE WELD I: SCHEDULE 40</td>
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<tr>
<td>WELD 2540</td>
<td>PIPE LAYOUT AND FABRICATION</td>
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<tr>
<td>WELD 2670</td>
<td>WELDING INSPECTION TECHNOLOGY</td>
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<td>PHYS 1050</td>
<td>CONCEPTS OF PHYSICS</td>
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**Subtotal: 15-16**

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<th>Credits</th>
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<tr>
<td>WELD 2510, WELD 2540, and WELD 2670</td>
<td>Required courses to receive A.A.S. degree in Welding Technology, Fabrication Shop Option</td>
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</table>

**Total Credit Hours: 67-68**

**Welding Technology - Industrial Plant Option Certificate**

**Degree Requirements**

**Requirements List**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 1715</td>
<td>OXYACETYLENE CUTTING</td>
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</tr>
<tr>
<td>WELD 1755</td>
<td>SHIELDED METAL ARC WELDING</td>
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<tr>
<td>WELD 1760</td>
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<tr>
<td>WELD 1780</td>
<td>GAS TUNG ARC WELDING - PLATE</td>
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<tr>
<td>WELD 1840</td>
<td>GROOVE WELDING PLATE</td>
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<td>WELD 1950</td>
<td>SMAW STAINLESS STEEL BASIC</td>
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<td>WELD 2510</td>
<td>PIPE WELD I: SCHEDULE 40</td>
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<td>PIPE WELD II: SCHEDULE 80 PIPE</td>
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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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</tbody>
</table>

**Subtotal: 34**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>WELD 1715, WELD 1755, WELD 1760, WELD 1840, TECH 1600, and TECH 1680</td>
<td>Required courses to receive A.A.S. degree in Welding Technology, Fabrication Shop Option</td>
<td></td>
</tr>
</tbody>
</table>
# Welding Technology Industrial Plant Option

**A.A.S. Degree**

## Degree Requirements

### Freshman Year - Fall Semester
- WELD 1715: OXYACETYLENE CUTTING 1
- WELD 1755: SHIELDED METAL ARC WELDING 3
- WELD 1760: ADV. SHIELDED METAL ARC WELDING 3
- WELD 1950: SMAW STAINLESS STEEL BASIC 3
- TECH 1600: INDUSTRIAL SAFETY 3
- TECH 1680: READING TECHNICAL SCHEMATICS 3

**Subtotal:** 19

- WELD 1715, WELD 1755, WELD 1760, WELD 1950, TECH 1600, and TECH 1680: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

### Freshman Year - Spring Semester
- WELD 1840: GROOVE WELDING PLATE 3
- WELD 2510: PIPE WELD I:SCHEDULE 40 3
- WELD 2520: PIPE WELD II:SCHED 80 PIPE 3
- ENGL 1010: ENGLISH COMPOSITION 1 3
- TECH 1550: GENERAL METALLURGY 3
- COMM 1030: INTERPERSONAL COMMUNICATION 3

**Subtotal:** 19

- WELD 1840, WELD 2510, WELD 2520, and TECH 1550: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

### Sophomore Year - Fall Semester
- WELD 2540: PIPE LAYOUT AND FABRICATION 4
- WELD 1780: GAS TUNGSTEN ARC WELDING - PLATE 4
- WELD 2650: GAS TUNGSTEN ARC WELDING-PIPE 3
- ENGL 2010: TECHNICAL WRITING 3

**Subtotal:** 14

- WELD 2540, WELD 1780, and WELD 2650: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

### Sophomore Year - Spring Semester
- WELD 2660: STAINLESS STEEL PIPE WELDING 3
- WELD 2670: WELDING INSPECTION TECHNOLOGY 4
- PHYS 1050: CONCEPTS OF PHYSICS 4
- APPROVED COMPUTER COURSE 3

**Subtotal:** 14-15

- WELD 2660, and WELD 2670: Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

**Total Credit Hours:** 66-67

---

# Welding Technology - Mine Maintenance Option Certificate

## Degree Requirements

### Requirements List
- WELD 1710: OXYACETYLENE WELDING 2
- WELD 1715: OXYACETYLENE CUTTING 1
- WELD 1755: SHIELDED METAL ARC WELDING 3
- WELD 1760: ADV. SHIELDED METAL ARC WELDING 3
- WELD 1770: GAS METAL ARC WELDING 3
- WELD 1780: GAS TUNG ARC WELDING - PLATE 4
- WELD 1840: GROOVE WELDING PLATE 3
- WELD 1950: SMAW STAINLESS STEEL BASIC 3
- WELD 2530: DOWNHILL PIPE WELDING 3
- TECH 1550: GENERAL METALLURGY 3
- TECH 1600: INDUSTRIAL SAFETY 3
- TECH 1680: READING TECHNICAL SCHEMATICS 3

**Subtotal:** 33

### Welding Technology Mine Maintenance Option AAS Degree

## Degree Requirements

### Freshman Year - Fall Semester
- WELD 1710: OXYACETYLENE WELDING 2
- WELD 1715: OXYACETYLENE CUTTING 1
- WELD 1755: SHIELDED METAL ARC WELDING 3
- WELD 1760: ADV. SHIELDED METAL ARC WELDING 3
- TECH 1600: INDUSTRIAL SAFETY 3
- TECH 1680: READING TECHNICAL SCHEMATICS 3

**Subtotal:** 18

- WELD 1710, WELD 1715, WELD 1755, WELD 1760, TECH 1600, and TECH 1680: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

### Freshman Year - Spring Semester
- WELD 1950: SMAW STAINLESS STEEL BASIC 3
- WELD 1840: GROOVE WELDING PLATE 3
- WELD 1770: GAS METAL ARC WELDING 3
- ENGL 1010: ENGLISH COMPOSITION 1 3
- TECH 1550: GENERAL METALLURGY 3

**Subtotal:** 16

- WELD 1950, WELD 1840, WELD 1770, and TECH 1550: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

### Sophomore Year - Fall Semester
- WELD 2510: PIPE WELD I:SCHEDULE 40 3
- WELD 2530: DOWNHILL PIPE WELDING 3
- ENGL 2010: TECHNICAL WRITING 3
- APPROVED COMPUTER COURSE 3
- COMM 1030: INTERPERSONAL COMMUNICATION 3

**Subtotal:** 16

- WELD 2510, and WELD 2530: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

### Sophomore Year - Spring Semester
- WELD 1780: GAS TUNGSTEN ARC WELDING - PLATE 4
- WELD 2540: PIPE LAYOUT AND FABRICATION 4
- WELD 2670: WELDING INSPECTION TECHNOLOGY 4
- PHYS 1050: CONCEPTS OF PHYSICS 4

**Subtotal:** 15-16

- WELD 1780, WELD 2540, and WELD 2670: Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.

**Total Credit Hours:** 65-66
Visual and Performing Arts
The Visual and Performing Arts programs at Western are designed for an individual to explore and develop creative talents and abilities. Visual and Performing Arts can be the core of a general studies program and the student can earn an Associate of Arts degree with emphasis in Art, Ceramics, Dance, Music, Musical Theatre, Technical Theatre or Theatre. Students wishing a concentrated course of study may choose to earn an Associate of Fine Arts degree in Visual Arts: 2-D, Musical Theatre, or Technical Theatre. The Associate of Fine Arts degree prepares the student for professional work or future studies in a Bachelor of Fine Arts or Bachelor of Arts program.

Suggested programs in each of the following areas of emphasis are offered as general guidelines. Each student’s program will be mutually devised by the student and the student’s advisor to fit individual needs and abilities. Transfer students should consult the catalog of the transfer school of their choice for comparison.

Art Emphasis AA Degree
Degree Requirements
Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
ART 1005 DRAWING I 3
ART 1110 DESIGN: 2D 3
ART 1120 DESIGN: 3D 3
OR
ART 2410 CERAMICS I 3
ART 2210 PAINTING I 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
HEALTH & HUMAN ACTIVITY 1
Subtotal: 19

Freshman Year - Spring Semester
ART 2005 DRAWING II 3
ART 1130 DESIGN: COLOR 3
ENGL 1020 ENGLISH COMPOSITION II 3
ART 2220 PAINTING II 3
US GOVERNMENT 3
SOCIAL SCIENCE 3
ART 2479-2489 SPECIAL PROJECTS IN ART VARIABLE
Subtotal: 19

Sophomore Year - Fall Semester
ART 2410 CERAMICS I OR 3
ART 1120 DESIGN: 3D 3
SOCIAL SCIENCE 3
ART 2120 GRAPHIC DESIGN I 3
ART 2479-2489 SPECIAL PROJECTS IN ART VARIABLE
ART 2495 WORKSHOPS IN ART: 1
ART 2010 ART HISTORY I 3
COLLEGE LEVEL MATH 3
HEALTH & HUMAN ACTIVITY 1
Subtotal: 17-18

Sophomore Year - Spring Semester
ART 2230 LAB SCIENCE 4
ART 2020 ART HISTORY II 3
ART 2050 LIFE DRAWING 3
ART 2090 PRINTMAKING I 3
ART 1150 PHOTOGRAPHY I 3
ASSESSMENT REQUIREMENT 0-1
Subtotal: 19-20

Additional electives may be taken in ceramics and photography.
Total Credit Hours: 75-79

Visual Arts 2D AFA Degree
Degree Requirements
Freshman Year - Fall Semester
ENGL 1010 ENGLISH COMPOSITION I 3
ART 1110 DESIGN: 2D 3
ART 1005 DRAWING I 3
ART 2210 PAINTING I 3
SOCIAL SCIENCE 3
HEALTH & HUMAN ACTIVITY 1
Subtotal: 16

Students must complete all classes listed before they will receive the degree.
It is strongly recommended that students consider taking some general education requirements within the summer session.

Freshman Year - Spring Semester
ENGL 1020 ENGLISH COMPOSITION II OR 3
ENGL 1111 ADVANCED COMPOSITION OR 3
ENGL 2010 TECHNICAL WRITING 3
ART 1130 DESIGN: COLOR 3
ART 2005 DRAWING II 3
ART 2220 PAINTING II 3
SOCIAL SCIENCE 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3
Subtotal: 18

Students must complete all classes listed before they will receive the degree.
It is strongly recommended that students consider taking some general education requirements within the summer session.

Sophomore Year - Fall Semester
ART 2010 ART HISTORY I 3
ART 1150 PHOTOGRAPHY I 3
2D ELECTIVE 3
3D ELECTIVE 3
LAB SCIENCE OR COLLEGE LEVEL MATH WORKSHOPS/STUDIES/SPEC PROJECTS HEALTH & HUMAN ACTIVITY 1
Subtotal: 17-20

Students must complete all classes listed before they will receive the degree.
2D approved electives: ART 1178, 1250, 2090, 2095, 2175, 2230
3D approved electives: ART 1310, 2410, 2420
It is strongly recommended that students consider taking some general education requirements within the summer session.

**Sophomore Year - Spring Semester**

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<thead>
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<th>Course</th>
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<tr>
<td>ART 1160</td>
<td>PHOTOGRAPHY II</td>
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<td>ART 2050</td>
<td>LIFE DRAWING</td>
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<tr>
<td>ART 2120</td>
<td>GRAPHIC DESIGN I</td>
<td>3</td>
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<tr>
<td></td>
<td>2D ELECTIVE</td>
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<td></td>
<td>OR</td>
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</tr>
<tr>
<td></td>
<td>3D ELECTIVE</td>
<td>3</td>
</tr>
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<td></td>
<td>US GOVERNMENT</td>
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</tr>
<tr>
<td></td>
<td>ASSESSMENT REQUIREMENT</td>
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</table>

Subtotal: 17-18

**Subtotal: 70-72**

**Total Credit Hours: 70-72**

**Dance Emphasis AA Degree**

**Degree Requirements**

**Freshman Year – Fall Semester**

<table>
<thead>
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<td>INTRODUCTION TO BALLET</td>
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<td>THEA 1410</td>
<td>BALLET I/I</td>
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<td>THEA 1426</td>
<td>INTRODUCTION TO MODERN DANCE</td>
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<tr>
<td>THEA 1430</td>
<td>MODERN DANCE I/I</td>
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<tr>
<td>THEA 2270</td>
<td>BEGINNING LIGHTING DESIGN</td>
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<tr>
<td>THEA 1100</td>
<td>ACTING</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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<tr>
<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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Subtotal: 19

**Freshman Year - Spring Semester**

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<td>THEA 1407</td>
<td>BEGINNING BALLET</td>
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<td>THEA 1420</td>
<td>BALLET I/II</td>
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<tr>
<td>THEA 1427</td>
<td>BEGINNING MODERN DANCE</td>
<td>2</td>
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<td>THEA 1440</td>
<td>MODERN DANCE I/II</td>
<td>2</td>
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<td>THEA 1480</td>
<td>JAZZ DANCE I</td>
<td>2</td>
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<tr>
<td>THEA 2212</td>
<td>DANCE IMPROVISATION</td>
<td>2</td>
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<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
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<tr>
<td>ENGL 1020</td>
<td>ENGLISH COMPOSITION II</td>
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Subtotal: 17-18

**Sophomore Year – Fall Semester**

<table>
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<th>Course</th>
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<th>Credits</th>
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<tr>
<td>THEA 1410</td>
<td>BALLET I/II</td>
<td>2</td>
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<tr>
<td>THEA 2410</td>
<td>BALLET I/II</td>
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</tr>
<tr>
<td>THEA 1430</td>
<td>MODERN DANCE I/II</td>
<td>2</td>
</tr>
<tr>
<td>THEA 2430</td>
<td>MODERN DANCE I/II</td>
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<tr>
<td>THEA 2215</td>
<td>DANCE COMPOSITION</td>
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<tr>
<td>THEA 2105</td>
<td>DANCE HISTORY I</td>
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<td>HOEC 1140</td>
<td>NUTRITION</td>
<td>3</td>
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<tr>
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<td>LAB SCIENCE</td>
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</table>

Subtotal: 16-18
Sophomore Year - Spring Semester

THEA 1420 BALLET I/II 2
OR
THEA 2420 BALLET II/II 3
THEA 1440 MODERN DANCE I/II 2
OR
THEA 2440 MODERN DANCE II/II 3
THEA 2106 DANCE HISTORY II 3
THEA 2473 THEATRE & DANCE PRACTICUM III 3
PSYC 1000 GENERAL PSYCHOLOGY 4
US GOVERNMENT 3

Subtotal: 17-20

Recommended Electives: Intro to Music (MUSC 1000), Intro to Theatre (THEA 1000) Stagecraft (THEA 2220), Photography I (ART 1150), Stage Makeup (THEA 2160), Beg Costume Design (THEA 2175), Singing for the Actor I (THEA 1373) Intro to Early Childhood Education (EDEC 1020), and Anatomy & Physiology I & II (BIOL 2010 and BIOL 2015)

NOTE: Dance majors transferring to a four-year institution are strongly recommended to take Human Anatomy & Physiology I & II (BIOL 2010 and BIOL 2015); BIOL 1010 is a prerequisite for these courses.

Total Credit Hours: 69-75

Sophomore Year - Fall Semester

MUSC 2030 WRITTEN THEORY III 3
MUSC 2035 AURAL THEORY III 1
MUSC 1295 CLASS PIANO III 1
MUSC 2050 MUSIC HISTORY SURVEY I 3
APPLIED MUSIC 2
ENSEMBLE 1
LAB SCIENCE 4
US GOVERNMENT 3

Subtotal: 18

MUSC 2030, MUSC 2035, MUSC 1295 and MUSC 2050: Courses generally required for music majors at a four-year institution.

MUSC 2050: Only offered Fall Semester of odd years

Sophomore Year - Spring Semester

MUSC 2040 WRITTEN THEORY IV 3
MUSC 2045 AURAL THEORY IV 1
MUSC 1296 CLASS PIANO IV 1
MUSC 2055 MUSIC HISTORY SURVEY II 3
APPLIED MUSIC 2
ENSEMBLE 1
COLLEGE LEVEL MATH 3-4
SOCIAL SCIENCE 3-4
HEALTH & HUMAN ACTIVITY 1

Subtotal: 18-21

MUSC 2040, MUSC 2045, MUSC 1296 and MUSC 2055: Courses generally required for music majors at a four-year institution.

MUSC 2055: Only offered Spring Semester of even years

Additional suggested electives: MUSC 2410 Sound Reinforcement I, MUSC 2420 Sound Reinforcement II, MUSC 2415 Recording Arts I, MUSC 2425 Recording Arts II

Total Credit Hours: 68-72

Music Emphasis AA Degree

Degree Requirements

Freshman Year - Fall Semester

MUSC 1030 WRITTEN THEORY I 3
MUSC 1035 AURAL THEORY I 1
MUSC 1290 CLASS PIANO I 1
MUSC 2015 INTRO TO THE MUSIC OF WORLD 3
APPLIED MUSIC 2
ENSEMBLE 1
ENGL 1010 ENGLISH COMPOSITION I 3
COSC 1200 COMPUTER INFORMATION SYSTEMS 3

Subtotal: 17

MUSC 1030 and MUSC 1035, and MUSC 1290: Courses generally required for music majors at a four-year institution.

MUSC 2015: Only offered Fall Semester of even years

Freshman Year - Spring Semester

MUSC 1040 WRITTEN THEORY II 3
MUSC 1045 AURAL THEORY II 1
MUSC 1291 CLASS PIANO II 1
APPLIED MUSIC 2
ENSEMBLE 1
ENGL 1020 ENGLISH COMPOSITION II 3
SOCIAL SCIENCE 3-4
HEALTH & HUMAN ACTIVITY 1

Subtotal: 15-16

MUSC 1040, MUSC 1045, and MUSC 1291: Courses generally required for music majors at a four-year institution.
Musical Theatre

The Musical Theatre Program at Western Wyoming College offers students the opportunity to study the individual art forms of Theatre, Music, and Dance, along with the core of the program which is the study of how the three relate and synergize to form the unique art of Musical Theatre. The program takes an intensive, hands-on, studio approach with emphasis on an organic process leading to a truthful and energized performance. A liberal arts preparation also assists students as they make choices concerning their future. Musical Theatre is a demanding field often requiring a total college education of more than four years. Based upon the individual student’s career objectives, the student may choose at Western between the 82-85 credit Associate of Fine Arts Degree and the 65-68 Associate of Arts degree.

Musical Theatre AFA Degree

The AFA degree is offered for students considering careers as professional performing artists. The course work will prepare a student for immediate professional work, but additional education is highly recommended. The AFA provides learning opportunities that will make the student well-rounded in the performing arts and is therefore also an excellent program for preparing a student for the diverse demands teachers face in the performing arts. The AFA degree is an intensive study in the application of the art form and prepares students to transfer into Bachelor of Fine Arts or Bachelor of Arts programs at a four-year university.

Core Requirements

The degree is designed to give the student an essential core of classes in Music, Dance, Theatre, & Musical Theatre and experience in production. All AFA students must take all fifty-five (55) credits from the core groups listed below:

Degree Requirements

Music Core (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>THEA 1030</td>
<td>WRITTEN THEORY I--MUSICAL</td>
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<tr>
<td>THEA 1035</td>
<td>AURAL THEORY I--MUSICAL THEATRE MAJORS</td>
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<tr>
<td>THEA 1373</td>
<td>SINGING FOR THE ACTOR I</td>
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<tr>
<td>MUSC 1290</td>
<td>CLASS PIANO I OR</td>
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<tr>
<td>MUSC 2073</td>
<td>APPLIED MUSIC PIANO</td>
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</tr>
<tr>
<td>MUSC 2074</td>
<td>APPLIED MUSIC VOICE</td>
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<tr>
<td>MUSC 1450</td>
<td>VOCAL ENSEMBLE</td>
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Subtotal: 9

Theatre Core (12 credits)

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<tr>
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<tr>
<td>THEA 1000</td>
<td>INTRO TO THEATRE</td>
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<td>THEA 1025</td>
<td>THEATRE ETHICS</td>
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<tr>
<td>THEA 2160</td>
<td>STAGE MAKE-UP</td>
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<tr>
<td>THEA 2220</td>
<td>STAGECRAFT</td>
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Subtotal: 12

Music Core (11 credits)

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<tbody>
<tr>
<td>MUSC 1390</td>
<td>SYMPHONIC BAND</td>
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<td>MUSC 1390</td>
<td>JAZZ ENSEMBLE I</td>
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<td>MUSC 1400</td>
<td>COLLEGIATE CHORALE</td>
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<tr>
<td>MUSC 2035</td>
<td>AURAL THEORY III</td>
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<td>MUSC 2045</td>
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<td>APPLIED MUSIC II (VOICE)</td>
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<td>APPLIED MUSIC III (VOICE)</td>
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<td>APPLIED MUSIC I (PIANO)</td>
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Subtotal: 11

Dance Core (11 credits)

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<td>CLASS PIANO I OR</td>
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<td>MUSC 2030</td>
<td>WRITTEN THEORY III</td>
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<tr>
<td>MUSC 1400</td>
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Subtotal: 12

Production Experience (12 credits)

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<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
<td></td>
</tr>
<tr>
<td>THEA 2473</td>
<td>AND/OR</td>
<td></td>
</tr>
<tr>
<td>THEA 2370</td>
<td>SUMMER THEATRE</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 11

Musical Theatre Electives (6 credits)

Additionally, the student will be required to build upon this core foundation by taking courses from the following list of major electives. The student may wish to choose electives that strengthen a weakness or help prepare them for a specialized career within the musical theatre industry. At least six (6) credits from the following must be selected.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2100</td>
<td>ACTING II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2105</td>
<td>BEGINNING DIRECTING</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2500</td>
<td>THEATRE PORTFOLIO</td>
<td>1</td>
</tr>
<tr>
<td>THEA 2430</td>
<td>MODERN DANCE II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2440</td>
<td>MODERN DANCE II/II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2410</td>
<td>BALLET II/II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2420</td>
<td>BALLET II/III</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2450</td>
<td>TAP DANCE II</td>
<td>1</td>
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<tr>
<td>THEA 2212</td>
<td>DANCE IMPROVISATION</td>
<td>2</td>
</tr>
<tr>
<td>THEA 2215</td>
<td>DANCE COMPOSITION</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 1040</td>
<td>WRITTEN THEORY II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2030</td>
<td>WRITTEN THEORY III</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2040</td>
<td>WRITTEN THEORY IV</td>
<td>3</td>
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<tr>
<td>MUSC 2045</td>
<td>AURAL THEORY IV</td>
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</tr>
<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC I (VOICE)</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC II (VOICE)</td>
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</tr>
<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC III (VOICE)</td>
<td>1</td>
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<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC IV (VOICE)</td>
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</tr>
<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC I (PIANO)</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC II (PIANO)</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2045</td>
<td>APPLIED MUSIC III (PIANO)</td>
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</table>

Any level of course will meet the core requirement. An evaluation of each student will determine level placement.

Musical Theatre Core (11 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>3</td>
</tr>
<tr>
<td>THEA 2110</td>
<td>ACTING FOR MUSICAL THEATRE II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1120</td>
<td>AMERICAN MUSICAL THEATRE</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1374</td>
<td>SINGING FOR THE ACTOR II</td>
<td>2</td>
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</table>

Theatre Core (12 credits)

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>THEA 1110</td>
<td>ACTING</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1120</td>
<td>AMERICAN MUSICAL THEATRE</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1374</td>
<td>SINGING FOR THE ACTOR II</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal: 11

12 total credits of any combination of Practicum or Summer Theatre

Musical Theatre Electives (6 credits)

Additionally, the student will be required to build upon this core foundation by taking courses from the following list of major electives. The student may wish to choose electives that strengthen a weakness or help prepare them for a specialized career within the musical theatre industry. At least six (6) credits from the following must be selected.
Suggested Four Semester Schedule

**Freshman Year - Fall Semester**

Students will be evaluated and placed in an appropriate level of Modern Dance and Ballet.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THEA 1025</td>
<td>THEATRE ETHICS</td>
</tr>
<tr>
<td>THEA 1100</td>
<td>ACTING</td>
</tr>
<tr>
<td>THEA 1373</td>
<td>SINGING FOR THE ACTOR I</td>
</tr>
<tr>
<td>THEA 2160</td>
<td>STAGE MAKE-UP</td>
</tr>
<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
</tr>
<tr>
<td>MUSC 2074</td>
<td>BALLET</td>
</tr>
<tr>
<td>THEA 2220</td>
<td>MODERN DANCE</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
</tr>
<tr>
<td></td>
<td>SOCIAL SCIENCE</td>
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</table>

**Subtotal: 20-21**

**Freshman Year - Spring Semester**

Students will be evaluated and placed in an appropriate level of Modern Dance and Ballet.

Students evaluated higher than Level I for Jazz or Tap should take Level II in their third semester.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THEA 1110</td>
<td>ACTING FOR MUSICAL THEATRE</td>
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<tr>
<td>THEA 1450</td>
<td>TAP DANCE</td>
</tr>
<tr>
<td>THEA 1480</td>
<td>JAZZ DANCE I</td>
</tr>
<tr>
<td>THEA 1460</td>
<td>MUSICAL THEA VOCAL ENSEMBLE</td>
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<tr>
<td>THEA 2220</td>
<td>STAGECRAFT</td>
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<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
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<td>BALLET</td>
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**Subtotal: 20**

**Summer Semester**

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**Subtotal: 3**

**Sophomore Year - Fall Semester**

<table>
<thead>
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<td>THEA 1030</td>
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<td>THEA 1035</td>
<td>THEATRE MAJORS</td>
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<td>THEA 2110</td>
<td>ACTING FOR MUSICAL THEATRE</td>
</tr>
<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
</tr>
<tr>
<td>MUSC 1290</td>
<td>CLASS PIANO I OR</td>
</tr>
<tr>
<td></td>
<td>APPLIED MUSIC I (PIANO)</td>
</tr>
<tr>
<td></td>
<td>ELECTIVES (CHOOSE FROM APPROVED LIST)</td>
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<td></td>
<td>US GOVERNMENT</td>
</tr>
<tr>
<td></td>
<td>COMPUTER COURSE</td>
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**Subtotal: 20**

**Sophomore Year - Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>THEA 1120</td>
<td>AMERICAN MUSICAL THEATRE</td>
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<tr>
<td>THEA 1374</td>
<td>SINGING FOR THE ACTOR II</td>
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<tr>
<td>THEA 1460</td>
<td>MUSICAL THEA VOCAL ENSEMBLE</td>
</tr>
<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
</tr>
<tr>
<td>MUSC 2074</td>
<td>APPLIED MUSIC VOICE</td>
</tr>
<tr>
<td></td>
<td>ELECTIVES (CHOOSE FROM APPROVED LIST)</td>
</tr>
<tr>
<td></td>
<td>LAB SCIENCE OR COLLEGE LEVEL MATH</td>
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<tr>
<td></td>
<td>SOCIAL SCIENCE</td>
</tr>
<tr>
<td></td>
<td>ASSESSMENT REQUIREMENT</td>
</tr>
</tbody>
</table>

**Subtotal: 19-23**

**Total Credit Hours: 82-87**
Musical Theatre Emphasis AA Degree

The AA degree is offered for those looking at a more traditional course of study and can usually be completed in four semesters. The AA degree prepares a student to transfer to a Bachelor of Arts program at a four year institution. All AA degrees at Western have the same general education and elective requirements. The following program of study is suggested for students who want to meet the requirements for an AA degree by emphasizing in Musical Theatre.

Degree Requirements

Freshman Year - Fall Semester

- ENGL 1010 ENGLISH COMPOSITION I 3
- THEA 1025 THEATRE ETHICS 1
- THEA 1100 ACTING 3
- THEA 1373 SINGING FOR THE ACTOR I 1
- THEA 2160 STAGE MAKE-UP 2
- MODERN DANCE 2

Subtotal: 16

Freshman Year - Spring Semester

- ENGL 1020 ENGLISH COMPOSITION II 3
- THEA 1110 ACTING FOR MUSICAL THEATRE 3
- BALLET 2
- MODERN DANCE 2
- THEA 1450 TAP DANCE 1
- THEA 1480 JAZZ DANCE I 2

Subtotal: 17-18

Sophomore Year - Fall Semester

- US GOVERNMENT 3
- COLLEGE LEVEL MATH 3
- COMPUTER COURSE 3
- THEA 1030 WRITTEN THEORY I-MUSICAL 3
- THEA 1035 AURAL THEORY I-MUSICAL THEATRE MAJORS 1
- THEA 2110 ACTING FOR MUSICAL THEATRE II 3
- MUSC 2074 APPLIED MUSIC VOICE 1-2

Subtotal: 17-18

Sophomore Year - Spring Semester

- THEA 1120 AMERICAN MUSICAL THEATRE 3
- HISTORY & LIT 3
- THEA 1374 SINGING FOR THE ACTOR II 2
- THEA 2473 THEATRE & DANCE PRACTICUM III 3
- LAB SCIENCE 4
- SOCIAL SCIENCE 3
- ASSESSMENT REQUIREMENT 0-1

Subtotal: 15-17

Theatre Emphasis AA Degree

Degree Requirements

Freshman Year - Fall Semester

- ENGL 1010 ENGLISH COMPOSITION I 3
- THEA 1100 ACTING 3
- THEA 2150 STAGE MANAGEMENT 3
- THEA 2220 STAGECRAFT 3
- HEALTH & HUMAN ACTIVITY 1

Subtotal: 16

Freshman Year Spring Semester

- ENGL 1020 ENGLISH COMPOSITION II 3
- THEA 1000 INTRO TO THEATRE 3
- THEA 2230 STAGE LIGHTING 3
- COSC 1200 COMPUTER INFORMATION SYSTEMS 3
- HEALTH & HUMAN ACTIVITY 1
- THEA 2100 ACTING II 3

Subtotal: 16

Sophomore Year - Fall Semester

- SOCIAL SCIENCE 3
- US GOVERNMENT 3
- THEA 2160 STAGE MAKE-UP 2
- ELECTIVES (CHOOSE FROM APPROVED LIST) 3

Subtotal: 14

Sophomore Year - Spring Semester

- COLLEGE LEVEL MATH 3
- LAB SCIENCE 4
- SOCIAL SCIENCE 3
- THEA 2165 BEGINNING DIRECTING 3
- ELECTIVES (FROM THEA) 5
- ASSESSMENT REQUIREMENT 0-1

Subtotal: 18-19

Total Credit Hours: 64-65

Technical Theatre

The Technical Theatre program at Western is a comprehensive study of the craft and art of the visual and technological components of theatre. The four major areas of study are set, lights, sound and costumes. A foundation of learning in the craft and technology is offered prior to training in the artistic design of these four areas. Students in the program will have ample hands-on learning opportunities in courses and in preparing the technical elements of the college’s annual theatre and dance season. Western is dedicated to maintaining high quality facilities and providing state-of-the-art equipment for the students to work with. The cross-training offered in the program facilitates well-rounded preparation for future careers. General education courses provide a thorough liberal arts experience and prepare students for transferring to four-year universities. There are two degrees and one certificate for Technical Theatre students to choose from. The Associate of Fine Arts Degree is five-semester program and the Associate of Arts Degree is a four-semester program.
**Technical Theatre AFA Degree**

The AFA degree is offered for students considering careers as professional theatre technicians or designers. The course work will prepare a student for immediate professional work, but additional education is highly recommended. The AFA degree is an intensive study in the application of the art form and prepares students to transfer into Bachelor of Fine Arts or Bachelor of Arts programs at a four-year university. The AFA is a well-rounded degree in the technical theatre and is also ideal for preparing a student for the diverse demands teachers face in the performing arts.

**Core Requirements**
The degree is designed to give the student an essential core of theatre courses. All of the following courses must be taken.

**Degree Requirements**

**Technical Theatre Core Requirements (32 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THEA 2220</td>
<td>STAGECRAFT</td>
<td>3</td>
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<tr>
<td>THEA 2150</td>
<td>STAGE MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1025</td>
<td>THEATRE ETHICS</td>
<td>1</td>
</tr>
<tr>
<td>THEA 1110</td>
<td>ACTING FOR MUSICAL THEATRE</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2500</td>
<td>THEATRE PORTFOLIO</td>
<td>1</td>
</tr>
<tr>
<td>THEA 2252</td>
<td>DRAFTING &amp; RENDERING FOR</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1000</td>
<td>INTRO TO THEATRE</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2185</td>
<td>PERIOD STYLES</td>
<td>3</td>
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<tr>
<td>THEA 2471</td>
<td>THEATRE &amp; DANCE PRACTICUM I</td>
<td>1</td>
</tr>
<tr>
<td>THEA 2472</td>
<td>THEATRE &amp; DANCE PRACTICUM II</td>
<td>2</td>
</tr>
<tr>
<td>THEA 2473</td>
<td>THEATRE &amp; DANCE PRACTICUM III</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 32

**Design Series**
Additionally, the student will be required to build upon this core foundation by taking a minimum of 15 credits from the following classes. Each of these courses is geared towards a specific design emphasis. The student should meet with their advisor to determine which courses would be most beneficially for their career paths.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2125</td>
<td>BEGINNING SCENIC DESIGN</td>
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<td>THEA 2230</td>
<td>STAGE LIGHTING</td>
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<tr>
<td>THEA 2270</td>
<td>BEGINNING LIGHTING DESIGN</td>
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<td>THEA 2610</td>
<td>SOUND REINFORCEMENT I</td>
<td>2</td>
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<td>THEA 2615</td>
<td>SOUND DESIGN</td>
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<td>THEA 2145</td>
<td>COSTUME CONSTRUCTION</td>
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<td>THEA 2175</td>
<td>BEGINNING COSTUME DESIGN</td>
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<td>BEGINNING DIRECTING</td>
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<td>TECHNICAL THEATRE INTERNSHIP</td>
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<td>COMPUTER AIDED DESIGN I</td>
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<td>THEA 2160</td>
<td>STAGE MAKE-UP</td>
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<td>THEA 2100</td>
<td>ACTING II</td>
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Subtotal: 15

**Related Course Work**
Related Course Work are classes taken from outside the technical theatre curriculum that will strengthen the student’s skills within the technical theatre field and prepare for more well-rounded careers. A minimum of six (6) credits must be taken from the list below. The student should meet with their advisor to discuss the courses that will best fit the educational and career objectives of the student. No theatre courses may be used to fulfill this requirement.

<table>
<thead>
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<td>ART 1130</td>
<td>DESIGN: COLOR</td>
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<td>ART 1250</td>
<td>WATER BASED MEDIA I</td>
<td>3</td>
</tr>
<tr>
<td>ART 1310</td>
<td>SCULPTURE I</td>
<td>3</td>
</tr>
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<td>ART 2005</td>
<td>DRAWING II</td>
<td>3</td>
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<td>ART 2050</td>
<td>LIFE DRAWING</td>
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<td>ART 2120</td>
<td>GRAPHIC DESIGN I</td>
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<td>ART 2210</td>
<td>PAINTING I</td>
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<td>NONVERBAL COMMUNICATION</td>
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<td>SOUND REINFORCEMENT II</td>
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</table>

Subtotal: 47

**General Credit Hours: 47**

**General Education (23-26 credits)**

Some of the above course work counts towards the general education requirements of the AFA degree. Additionally, the student must complete the following general education requirements.

**Degree Requirements**

**Requirements List**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<td>ASSESSMENT REQUIREMENT</td>
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Subtotal: 23-36

COSC 1200: Students with computer proficiency may be able to test out of this course.

Health & Human Activity: Recommended Health & Human Activity credits may include: dance courses, PEAC 1287 Rock Climbing, PEAC 1015 Beginning Skin & Scuba, PEAC 1294 Beginning Yoga or PEAC 1273 Weight Training & Conditioning.

The total credit requirements for the AFA in Technical Theatre are between 78-83 credits. Please be advised that this is an intensive course of study, well beyond the scope of most associate degree programs (which are a minimum of 64 credits). Students planning to transfer to a four-year university should consult the catalog of the school of their choice for comparison and for the number of credits accepted in the transferring process. A student may choose to spread their course work over a three year period depending on their personal abilities or the need to take developmental course work (pre-college level classes) in reading, writing, or mathematics.
**Technical Theatre Emphasis AA Degree**

The AA degree is offered for those looking at a more traditional course of study and can usually be completed in four semesters. The AA degree prepares a student to transfer to a Bachelor of Arts program at a four year institution. All AA degrees at Western have the same general education and elective requirements. The following program of study is suggested for students who want to meet the requirements for an AA degree by emphasizing Technical Theatre as their major. A suggested schedule for taking courses is presented below. Also included in the program is the opportunity for several electives, a list of which is provided.

### Degree Requirements

#### Freshman Year - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2220</td>
<td>STAGECRAFT</td>
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</tr>
<tr>
<td>THEA 2150</td>
<td>STAGE MANAGEMENT</td>
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<tr>
<td>THEA 2250</td>
<td>COMPUTER AIDED DESIGN I</td>
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<td>THEA 2471</td>
<td>THEATRE &amp; DANCE PRACTICUM I</td>
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<td>COSC 1200</td>
<td>COMPUTER INFORMATION SYSTEMS</td>
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<tr>
<td>THEA 1025</td>
<td>THEATRE ETHICS</td>
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**Subtotal: 17**

#### Freshman Year - Spring Semester

<table>
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<tbody>
<tr>
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<td>INTRODUCTION TO STAGE DESIGN</td>
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</tr>
<tr>
<td>THEA 2472</td>
<td>THEATRE &amp; DANCE PRACTICUM II</td>
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<tr>
<td>ENGL 1010</td>
<td>ENGLISH COMPOSITION I</td>
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<td>US GOVERNMENT</td>
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**Subtotal: 15-16**

Approved Health Human Activity/Dance Electives: See listing below

#### Sophomore Year - Fall Semester

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<th>Course Code</th>
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<tbody>
<tr>
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<td>LAB SCIENCE</td>
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<tr>
<td>THEA 2610</td>
<td>SOUND REINFORCEMENT I</td>
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**Subtotal: 18**

Approved Health Human Activity/ Dance Electives: See listing below

#### Sophomore Year - Spring Semester

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>THEA 1000</td>
<td>INTRO TO THEATRE</td>
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<tr>
<td>THEA 2160</td>
<td>STAGE MAKE-UP</td>
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<td>SOCIAL SCIENCE</td>
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<td>APPROVED SUGGESTED ELECTIVES</td>
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<td>THEA 2500</td>
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**Subtotal: 15-16**

### Approved Suggested Electives

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<tbody>
<tr>
<td>ART 1005</td>
<td>DRAWING I</td>
<td>3</td>
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<tr>
<td>ART 1110</td>
<td>DESIGN: 2D</td>
<td>3</td>
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<tr>
<td>ART 1120</td>
<td>DESIGN: 3D</td>
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<tr>
<td>ART 1130</td>
<td>DESIGN: COLOR</td>
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<tr>
<td>ART 1150</td>
<td>PHOTOGRAPHY I</td>
<td>3</td>
</tr>
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<td>ART 1160</td>
<td>PHOTOGRAPHY II</td>
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<tr>
<td>ART 1310</td>
<td>SCULPTURE I</td>
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<tr>
<td>ART 2050</td>
<td>LIFE DRAWING</td>
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<td>ART 2120</td>
<td>GRAPHIC DESIGN I</td>
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<td>ART 2210</td>
<td>PAINTING I</td>
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<tr>
<td>ART 2220</td>
<td>PAINTING II</td>
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<tr>
<td>ART 2410</td>
<td>CERAMICS I</td>
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<td>MUSC 2415</td>
<td>RECORDING ARTS I</td>
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<td>THEA 2270</td>
<td>BEGINNING LIGHTING DESIGN</td>
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<td>THEA 2100</td>
<td>ACTING II</td>
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<td>THEA 2125</td>
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<td>THEA 2165</td>
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<td>THEA 2175</td>
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<td>SOUND DESIGN</td>
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<td>WELD 2630</td>
<td>WELDING FOR THE ARTS I</td>
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<tr>
<td>WELD 2635</td>
<td>WELDING FOR THE ARTS II</td>
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**Approved Health and Human Activity/Dance Electives**

- ANY THEA DANCE COURSE
- PEAC 1273 WEIGHT TRAINING CONDITIONING | 1
- PEAC 1287 ROCK CLIMBING I | 1
- PEAC 2018 LIFEGUARD TRAINING | 1
- PEAC 2088 ROCK CLIMBING II | 1

**Total Credit Hours: 65-67**
## Technical Theatre Certificate

### Degree Requirements

#### Fall Semester

<table>
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<tr>
<th>Course Code</th>
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<td>SOUND REINFORCEMENT I</td>
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**Subtotal: 15**

Related Courses: See listing below

#### Spring Semester

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<td>THEA 2472</td>
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**Subtotal: 15**

### Related Course Work

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<td>ART 1110</td>
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<tr>
<td>ART 1120</td>
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<td>ART 1150</td>
<td>PHOTOGRAPHY I</td>
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<td>ART 1160</td>
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<td>THEA 1000</td>
<td>INTRO TO THEATRE</td>
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<td>THEA 1100</td>
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<td>INDM 1590</td>
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<td>WELD 1776</td>
<td>FLUX CORED ARC WELDING - PIPE</td>
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<td>GROOVE WELDING PLATE</td>
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<td>WELD 1860</td>
<td>WELDING FABRICATION</td>
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<td>WELD 1950</td>
<td>SMAW STAINLESS STEEL BASIC</td>
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<td>WELD 1960</td>
<td>SUBMERGED ARC WELDING</td>
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<td>PIPE WELD I:SCHEDULE 40</td>
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<td>DOWNHILL PIPE WELDING</td>
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<tr>
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<td>STAINLESS STEEL PIPE WELDING</td>
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**Total Credit Hours: 30**
COURSES

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 lecture, discussion or group interaction. (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 following 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.)

FLEXIBLE ENTRY: A competency based course in which the primary method of instruction is application-oriented “learning by doing,” as well as self-paced, mastery-learning under an instructor’s supervision. Students may start or enter the course up until the last date to drop the course (generally 2 weeks past midterm).

OPEN LAB: A course in which the primary method of instruction is application-oriented “learning by doing.” Open labs differ from laboratory courses in that they are self-paced, mastery-learning courses where students work under an instructor’s supervision to complete the course’s objectives and sequenced learning activities. In addition, open labs are flexible entry such that students may start or enter the course until the last date to drop the course (generally 2 weeks past midterm).

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 coursework 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

INTERNATIONAL 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 of study is a classroom without walls where lectures are in the field where the learning is directly applied to the appropriate environment. (Minimum 1500 minutes per credit hour.)

Distance Education Delivery Methods

INTERNET: An Internet course is taught via the Internet without a “seat time” requirement. Some courses do require proctored tests at specific times and locations. Instruction, discussion, assessment and feedback are all conducted electronically. Class assessment is based on course outcomes. The course will follow a prescribed semester schedule with deadlines 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 workshop is a lab-type course. It is a brief and intensive course that focuses on techniques and skills in a particular field. Only 6 hours of Workshop credit may be counted toward graduation. (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. 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 I (3)
This is a rigorous introductory course in accounting principles which examines the fundamental concepts and procedures employed by reporting entities in the communication of financial information in accordance with generally accepted accounting principles to outside interested parties.
Prerequisite: MATH 0930 or Math ACT of 23 of higher, or Math COMPASS score of 66 or higher, and COSC 1200, or IMGT 2400, or CMAP 1750, or instructor permission.

ACCT 2020 - PRINCIPLES OF ACCOUNTING II (3)
This is a rigorous introductory course which is a continuation of Principles of Accounting I, involving financial statement preparation and analysis, corporations, managerial topics, cost accounting concepts and budgeting.
Prerequisite: ACCT 2010.

ACCT 2210 - ACCOUNTING INFORMATION SYSTEMS (3)
This is a skill development course in which students use integrated accounting software and transaction inputs to create transaction documents, operating reports, general ledger reports, and financial statements, all with traceable audit trails. The intention of the class is to become competent in computerized accounting principles and practices.
Prerequisite: ACCT 2010 or BOTK 2810, May be taken concurrently.

ACCT 2460 - PAYROLL ACCOUNTING (3)
Payroll accounting provides students with an understanding of the laws that affect a company’s payroll structure and practical application skills in maintaining payroll records. Topics include payroll and personnel records, computing wages and salaries, taxes affecting employees and employers, and analyzing and journalizing payroll transactions.
Prerequisite: ACCT 2010, or BOTK 2810, or Instructor Permission.

ACCT 2610 - MANAGERIAL ACCOUNTING (3)
This course studies accumulation methods, accounting and reporting. It focuses on the concepts and procedures of the job order, process, standard and direct cost systems. Other topics covered include budgeting; planning; analysis and control of costs; and profitability. Topics are covered at an advanced level as compared to ACCT 2020.
Prerequisite: ACCT 2010 and ACCT 2020 and COSC 1200 or CMAP 1750.

AFVT - ALT FUEL VEHICLE TECH

AFVT 1500 - INTRO TO 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 2590.

AFVT 1600 - LIGHT-DUTY DIESEL ENGINE PERFORMANCE I (3)
This course is designed to build upon basic engine knowledge obtained in the prerequisite engine fundamentals classes. This course will detail the design and operation of modern diesel engines, including establishing the differences between light-duty diesel and gasoline engines. Cylinder blocks, pistons, and crankshafts will be discussed along with cylinder head design, timing components, and intake and exhaust systems, including turbo systems. Service and repair of these items will be covered. This course will also cover basic diesel engine fuel system function. Topics such as fuel subsystem and fuel injector function will be thoroughly covered.
Prerequisite: AFVT 1500 and AUTO 1700.

AFVT 1610 - LIGHT-DUTY DIESEL ENGINE PERFORMANCE II (3)
This course is designed to build upon basic electronic control, and other engine control functions that are learned in prerequisite classes. This course will detail the design and operation of modern diesel engines, including electronic fuel control systems, and emission control systems. Topics such as fuel subsystems, injectors, PLN-E, common rail systems, and the electronic control of these fuel devices, along with the service and diagnosis thereof, will be thoroughly discussed. Also, emission control devices such as exhaust gas recirculation systems, diesel oxidation catalysts, and diesel particulate filters, including the service and repair of these devices, will also be discussed.
Prerequisite: AFTV 1600.

AFVT 1620 - NATURAL GAS VEHICLE FUEL SYSTEMS (3)
Natural gas powered vehicles have been in use for some time now and this course will give students the foundation needed to properly service and repair these high-pressure fuel systems. System components such as high-pressure tanks, valves, and regulators, and the service and repair of these items, as well as how these things tie into the injection system for the gaseous fuel, will be covered in detail. Differences between compressed natural gas systems (CNG), and liquefied natural gas systems (LNG) will also be discussed, as well as the differences between bi-fuel controls and dedicated CNG controls.
Prerequisite: AFVT 1500.

AFVT 1630 - HYBRID ELECTRIC VEHICLE SYSTEMS I (3)
This course is designed to give students the skills needed to diagnose and repair the complex systems found in today’s modern hybrid vehicles. The primary focus will be on the interaction of the different power sources found of hybrid vehicles and how they work together to propel the vehicle down the road. This includes study of the function of high voltage systems, along with the motor/generator assemblies, and advanced computer controls that are contained in these high-tech drivetrains. The student will be able to not only service these systems, but they will also be able to diagnose and repair problems that can occur in today’s modern hybrid cars and trucks.
Prerequisite: AFVT 1500.
AFVT 1640 - HYBRID ELECTRIC VEHICLE SYSTEMS II (3)
This course is designed to give students the skills needed to diagnose and repair the complex systems found in today's modern hybrid vehicles. The primary focus will be on various vehicle systems and the way they work on hybrid vehicles. Because every auto manufacturer builds their hybrid systems differently, hybrid drive train function as it relates to specific makes and models will also be thoroughly discussed. The function and service of pure electric vehicles will also be covered. The student will be able to not only service these systems, but they will also be able to diagnose and repair problems that can occur in specific hybrid cars and trucks.
Prerequisite: AFVT 1630.

ANTH - ANTHROPOLOGY

ANTH 1100 - INTRODUCTION TO PHYSICAL ANTHROPOLOGY (4)
Physical 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, human variation, and the fossils of human ancestors and related species. It also includes Forensic Anthropology, the scientific study of human remains in the advanced stages of decomposition or otherwise mutilated.
Corequisite: ANTH 1101.

ANTH 1200 - INTRODUCTION TO CULTURAL ANTHROPOLOGY (3)
Studied are the structures and functioning of various societies and cultures, including aspects of language, warfare, religion, kinship, economics and political organizations. A number of widely divergent but representative cultures are examined in detail, along with their resultant changes due to industrial contact.

ANTH 1300 - INTRODUCTION TO ARCHAEOLOGY (3)
Archaeology covers the excavation of man's past culture, tool traditions, social developments, migration patterns and independent developments of civilization on various continents. Included are dating methods, site analysis, comparative studies, and various archeologic techniques used in the field and laboratory.

ANTH 1350 - ROCK ART: (2)
Students will examine rock art throughout the region. The course will introduce the student to rock art as an important part of the cultural landscape and provide an introduction to the cultural, historical, and diagnostic features of rock art in the West.
Prerequisite: Instructor Permission.

ANTH 2200 - WORLD ETHNOGRAPHY (3)
This course surveys peoples and cultures in various areas of the world. The geographic area to be considered will be indicated each semester the course is taught. Generally, it is a survey course on the prehistory and culture at the time of contact of the major island groups of the Pacific. The areas concentrated on are New Guinea, Samoa-Tonga, Fiji, Tahiti, Easter Island and Hawaii. Of lesser importance are discussion of other island groups and the history of contact relations.

ANTH 2210 - NORTH AMERICAN INDIANS (3)
A comparative study of North American Indians using the culture area concept. Major areas covered are the Arctic, Northwest Coast, Northeastern and Southeastern Interior, Plains, Mountains and Basin, Southwest, Mexico and Yucatan. This includes a brief history of the various groups since European contact.

ANTH 2310 - ARCHAEOLOGY FIELD 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 2311 - PREHISTORIC ARCHAEOLOGY FIELD METHODS (1-4)
This class will deal directly with several important areas of field archaeology: inventory, site documentation and evaluation, and excavation. Course topics will include appropriate techniques of site testing and evaluation criteria, research topics for data recovery during large scale excavation projects. Participants will be introduced to site instrument mapping, principles of natural and cultural stratigraphy, proper testing and excavation techniques, and proper methods of recordkeeping and provenience collection. Maximum of 4 credits applied towards graduation.

ANTH 2312 - HISTORICAL ARCHAEOLOGY FIELD METHODS (1-4)
Archaeology is the study of human behavior by means of its material traces through all time in all places. This course will deal with excavation, treatment, cataloguing, and analysis of artifacts excavated from historical sites around south-western Wyoming, such as South Pass City, Ft. Bridger, stage stations, and other sites of roughly the last 200 years (in Wyoming this means roughly 1790 to the present). Maximum of 4 credits applied towards graduation.
Prerequisite: Instructor Permission.

ANTH 2380 - GLOBAL CULTURES TOUR: (1-4)
This course provides students with the opportunity to travel to various global destinations. A variety of topics may be explored while traveling, including anthropology, art, geography, history, international travel logistics, language, and local culture. The goal of the course is to provide students with the opportunity to better understand global societies and cultures. Travel destinations can vary from year to year. This course is approved for S/U grading.
Prerequisite: Instructor Permission.

ART - ART

ART 1000 - GENERAL ART (3)
This is an art experience for non-art majors. It offers a basic introduction to the history of art and design and an acquaintance with the field of applied arts through slide lecture, discussion and film. It develops an awareness of mediums and techniques based on studio experimentation and instructor demonstrations. It provides the student a comprehensive survey of both fine and applied arts that contribute to the visual arts culture past and present.
ART 1005 - DRAWING I (3)
This course is designed to teach an understanding of basic drawing techniques and mediums utilizing direct visual experience. Drawing is introduced as the complete graphic experience. It involves experimentation with a variety of drawing mediums to discover and develop line, value, shape/form, texture, and space.

ART 1030 - INTRODUCTION TO ART: (1)
This class is an introduction to the aesthetics and techniques of art making, within the individual process.

ART 1110 - DESIGN: 2D (3)
Basic design elements are necessary ingredients to visual literacy and mature art forms in all areas of artistic expression from interior design, clothing design, architecture, and ceramics to the pure, fine arts of sculpture and painting, to name only a few.

ART 1120 - DESIGN: 3D (3)
A course designed for experimentation in three dimensional expression.

ART 1130 - DESIGN: COLOR (3)
Advanced design encourages the creative process while exploring the basics of color and texture. Precision aids in presentation is a must. "An artist or creative person must be a dreamer, a realist and a skilled worker."

ART 1150 - PHOTOGRAPHY I (3)
An introduction to the art of photography with emphasis on creative thinking, visual aesthetics, and technical proficiency as they relate to the understanding and production of quality black and white photographs.

ART 1160 - PHOTOGRAPHY II (3)
Course concentrates on developing advanced technical and aesthetic skills of the serious black and white photographer. Instruction includes zone system theory, fine black and white printing, archival processing, introduction to large format photography, and emphasis on design and print content.
Prerequisite: ART 1150 or Instructor Permission.

ART 1178 - DIGITAL IMAGING I (3)
An in-depth introduction to the world of digital photography and computer imaging with emphasis on developing student understanding and skills with digital image capture and scanning, image manipulation using software, as well as digital storage and transmission.
Prerequisite: ART 1150, ART 1110 (may be taken concurrently).

ART 1250 - WATER BASED MEDIA I (3)
This studio course serves to introduce the beginning student to color and technique of both transparent and opaque water medium, as well as to encourage the more experienced student in technique and style development.

ART 1310 - SCULPTURE I (3)
A course designed for experimentation in three dimensional expression.

ART 2005 - DRAWING II (3)
A continuation of ART 1005 Drawing I. The student is offered the opportunity to advance his/her skill in the technical application of various drawing mediums including color. Freedom of exploration is permitted and experimentation is encouraged.
Prerequisite: ART 1005 or Instructor Permission.

ART 2010 - ART HISTORY I (3)
A comprehensive review of the divergent expressions of Western mankind. First Semester: Paleolithic society through the High Renaissance of Italy (30,000 BC - 1570 AD). It is a means through which one may become visually literate, a necessary facet of education and existence in general.
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.

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 conte, 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.

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.

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 (3)
This course is designed to introduce the student to fundamentals, theory and applications as well as diagnosis and repair procedures for all manual shift transmission and drive train components.

AUTO 1700 - ENGINE FUNDAMENTALS (3)
This course is designed to introduce the student to the fundamentals, components and operation of an internal combustion engine. Both gasoline and diesel engines will be explored, and comparisons and differences between the operation of the two will be studied. High speed and low speed compression ignition and spark ignition engines will be discussed and demonstrated.

AUTO 1730 - AUTOMATIC TRANSMISSIONS (6)
This course is designed to introduce students to all phases of automotive transmission and fluid drive rebuilding to prepare them with the necessary skills for entry into the automotive field. The student is given an opportunity to work on different types of transmissions and the course curriculum is developed around this concept.
Prerequisite: AUTO 1770.

AUTO 1740 - BRAKE SYSTEMS (3)
This course will introduce students to automotive braking systems from conventional to antilock and traction control. Emphasis will be placed on operational theory, trouble diagnosis, and safe repair. Systems covered will be primarily those used by American automobile manufacturers.

AUTO 1760 - HEATING AND AIR CONDITIONING (3)
This course is designed to introduce the student to the principles of refrigeration, automotive air conditioning and heating systems, and troubleshooting and repair of these systems.
Prerequisite: AUTO 1770.

AUTO 1765 - AUTOMOTIVE ELECTRICAL SYSTEMS I (3)
This course is designed to introduce the student to the fundamentals of AC-DC charging systems and cranking motors including operation, testing, servicing and troubleshooting.
AUTO 1766 - AUTOMOTIVE ELECTRICAL SYSTEMS II (3)

This course is a continuation of AUTO 1765 Automotive Electrical Systems. Students will use the principles learned in the first course to practice diagnosing various, real-world circuit faults on real vehicles using digital multi-meters, battery load testers, and other pieces of electrical test equipment. The student will also be introduced to more complex circuits not covered in AUTO 1765AU 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 diagnosers for intake and exhaust. Computer input, output and communication will be covered with lecture and lab-hands-on experience. On-Board Diagnostics I and On-Board Diagnostics II (OBD) with freeze frame, monitoring, adaptive fuel control are also introduced and covered in depth according to students ability/desire. A good foundation of electronics is needed for the best success in this course.

Prerequisite: AUTO 1770.

AUTO 2520 - ENGINE PERFORMANCE II (3)

This course is a continuation of Engine Performance I, and is designed for the student who has a foundation of such knowledge to build on. Areas of study are systems related to engine performance, fuel diagnosis and service, electronic fuel injection, ignition (DI and 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.

BADM 2800 - BUSINESS PORTFOLIO/ CAPSTONE (2)

This course is a capstone course for students working towards an A.S. in Accounting, Business Administration and Marketing. This course will enable students prepare a comprehensive portfolio to demonstrate their accomplishments in meeting WWCC's Goals for Student Success. Students will also prepare an in-depth evaluation of a business with respect to the accounting, marketing, management, and economic functions.

Prerequisite: BADM 1000 (C or better) and completion of 45 credit hours towards graduation.
BAS - BASIC SKILLS

BAS 0510 - READING SKILLS (1)
This course covers the fundamentals of good reading skills and the application of these skills to assist students in becoming more efficient readers.

BAS 0620 - WRITING SKILLS (1)
This course provides individualized instruction to help students improve their college level writing skills. This is a preparatory course for Basic English or is a complement to other writing courses.

BAS 0630 - GRAMMAR SKILLS (1)
This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

BAS 0640 - SPELLING SKILLS (1)
Students improve their spelling skills using a phonetics or rules approach.

BAS 0730 - TECHNICAL MATH (1)
This introductory course in mathematics is intended for students who wish to prepare for further study in the field of nursing. Possible topics include arithmetic computations, ratios and proportions, systems of measurement, algebra, geometry, and trigonometry. Textbook examples and problems are related to the field of study, with emphasis on practical application.

BAS 0910 - NON-NATIVE READING (2)
This course is designed to facilitate textbook reading skills for non-native and international students.

BAS 0950 - NON-NATIVE VOCABULARY (2)
This course is designed to assist non-native and international students in the development or improvement of their English vocabulary skills. The focus of this class is vocabulary for academic reading.

BAS 0960 - NON-NATIVE LISTENING (3)
This course is designed for students who do not feel confident about their English listening skills and is required for students testing at levels 4 through 7 on the BEST + Test. Assignments prepare the student for the level of listening required for college level courses and personal communication.

BAS 0970 - ESL LIFE SKILLS (4)
This course focuses on survival in an English language environment. Students will participate in activities that increase their skills in speaking, listening, reading, and writing English with an emphasis on oral communication. Subject areas will include, but are not limited to, health/fitness, work/employment, money/banking, travel/directions, shopping/entertainment, food/clothing, and education/recreation.

BIOLOGY

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BIOLOGY

See additional science courses under ENTO, MOLB, REWM and RNEW

BIO 1205 - FIELD ECOLOGY OF THE WIND RIVERS (1)
This field biology course will provide the opportunity to gain an understanding of the natural history of the region in which we live. The biogeography and biology of the Wind River Range will be discussed; in particular, focus will be on the land, the climate, and the flora and fauna of the region. Students will learn to recognize deserts, grasslands, mountain areas and their associated organisms. Deserts and the Great Basin Desert of Wyoming will also be discussed while driving en route to the mountains, but particular attention will be paid to the Wind River Range of the Rockies. Students will develop the skills to identify plants, bugs, reptiles, birds, and mammals, and to study the intricate relationships between these organisms and between these organisms and their non-living environment.

Prerequisite: Students must be in sufficient health to be able to hike 8+ miles per day carrying a 20 pound pack. This course, therefore, may not be an appropriate physical choice for all students. It is not recommended for students with chronic physical problems, such as chronic back, knee or ankle problems or heart problems. Any student with any pre-existing medical conditions must notify the instructors before taking the backpacking trip.

Corequisite: OEC 1200 and PEAC 1308.

BIO 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.

BIO 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.

BIO 1009 - CRITICAL SCIENCE SKILLS (3)
This course is intended to develop the logical skills necessary for success in the Natural Sciences. Key concepts may include: reading a science article, writing as a scientist, scientific math and statistics skills (including computation, units conversion, concepts of probability and statistical significance, and significant digits), science study skills, the language of science, lab equipment and safety skills, lab note-taking and reading and following directions.
**BIOL 1010 - GENERAL BIOLOGY (4)**

A survey of the basic principles of biology. Units are included in cell biology, metabolism, cell division, genetics, ecology, and evolution. Laboratory in required. Credit may not be received for both BIOL 1010 and BIOL 1003.

Prerequisite: BIOL 1009 or CHEM 1009 (C or better); OR Science ACT score of 21 or higher; OR SAT score of 1500 or higher; OR COMPASS Algebra score of 45 or higher and COMPASS Reading Score of~71 or higher and COMPASS English score of 40 or higher. Corequisite: BIOL 1011.

**BIOL 1210 - WYOMING FLORA (2)**

This is a two credit class designed for anyone interested in learning about the plants of Wyoming. Lecture focuses on basics of plant biology and taxonomy; lab focuses on developing skills required for identification of plant. Lecture topics also include using native plants for xeriscaping and medicinal and edible wild plants. The class consists of a mixture of lecture, lab, and most importantly, mandatory field trips.

**BIOL 1220 - BIRDING (2)**

Birding is a biology class designed for anyone interested in learning something about the birds that nest in and migrate through Wyoming and adjacent states. The class consists of both lecture and lab. Lecture topics include ecology and behavior of birds, how to attract birds to your yard, how to choose binoculars and spotting scopes, and conservation biology and concerns about birds. Lab involves both identification of birds in the lab and mandatory field trips.

**BIOL 1390 - INTRODUCTION TO SCIENCE RESEARCH I (4)**

This course provides the student with an introduction to concepts utilized in a biological research environment. Students will read scientific literature, perform computer-based literature searches, experimental design and data collection, statistical analyses, and write a scientific paper. In addition, if the quality of the research project is adequate, students may have the opportunity to present their work at a scientific conference.

**BIOL 2010 - HUMAN ANATOMY & PHYSIOLOGY I (4)**

This course provides the student with the basic knowledge in anatomy and physiology of the human body with emphasis on the relationship between body structure and function. This course will cover homeostasis and tissues, as well as skeletal, muscular, nervous, and sensory systems.

Prerequisite: Take BIOL 1010. Corequisite: BIOL 2011.

**BIOL 2015 - HUMAN ANATOMY & PHYSIOLOGY II (4)**

This course provides the student with the basic knowledge in anatomy and physiology of the human body with emphasis on the relationship between body structure and function. This course will cover the endocrine system, blood, circulatory system, lymphatic system, respiratory system, digestive system, renal system, and reproductive system.

Prerequisite: BIOL 2010; BIOL 2010 must precede BIOL 2015, or instructor approval. Corequisite: BIOL 2016.

**BIOL 2022 - ANIMAL BIOLOGY (4)**

Animal Biology is an integrative course that addresses the evolution, anatomy, physiology, behavior and ecology of animals. The course surveys major animal phyla and is intended for students majoring in life sciences.

Prerequisite: BIOL 1010. Corequisite: BIOL 2032.

**BIOL 2023 - PLANT AND FUNGAL BIOLOGY (4)**

This course builds upon central themes in biology presented in BIOL 1010, including cell and molecular biology, genetics, evolution, and ecology. These themes will be presented in an integrated fashion, but will focus on the structure, function and biology of plants and fungi.

Prerequisite: BIOL 1010 (C or better). Corequisite: BIOL 2024.

**BIOL 2080 - PSYCHOBIOLOGY (4)**

This is a one semester course that serves as an introduction to the biological bases of behavior. It includes ethology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior, and evolution and behavioral genetics. It presents basic structural and functional properties of the nervous system.

Prerequisite: 4 credits of BIOL or PSYC. Corequisite: BIOL 2081.

**BIOL 2310 - FIELD SCIENCE RESEARCH (4)**

Field Science Research emphasizes outdoor field research projects, utilizing field data collection techniques, associated scientific concepts, literature research, and interaction with regional scientific professionals. Projects span biological, physical, and service to community topics. The majority of final reports are presented in digital multimedia format.

**BIOL 2390 - INTRODUCTION TO SCIENCE RESEARCH II (4)**

This course is a continuation of Introduction to Science Research I. It allows motivated students to continue to perform scientific research, at a higher level 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: Take BIOL 1010. 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. 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. Offered: Even Spring Semesters.
BOTK - BUSINESS OFFICE TECH

BOTK 1520 - BUSINESS MATHEMATICS (3)
This course develops math skills applicable to business including percentages, interest, payroll, inventory, depreciation and taxes.

BOTK 1555 - BASIC OFFICE SKILLS (3)
Basic Office Skills is designed for persons who expect to be employed in an office environment. Modules of instruction include standard spelling, punctuation and grammar rules and standard business correspondence formats and procedures, operation of a ten-key calculator, and building speed and accuracy on a computer keyboard.
Prerequisite: Concurrent enrollment in BOTK 1640 or typing skills.

BOTK 1640 - KEYBOARDING APP I (3)
The beginning keyboarding course is for students who have no background in typing/keyboarding. It consists of two parts. In the first part, students gain the basic theory and develop keyboarding skills through hands-on experience. The second part develops speed and accuracy on the keyboard and introduces basic document formats.

BOTK 1650 - KEYBOARDING APPLICATIONS II (3)
This course is designed to improve a student’s keyboarding speed, accuracy, and formatting skills. Upon completion of this course, students should be able to: key 45 to 60+ wpm for five minutes; key various styles of letters and reports, memorandums, tables, business forms, and basic desktop publishing documents using word processing software. Marketable skills are expected.
Prerequisite: BOTK 1640 or Instructor Permission.

BOTK 2750 - RECORDS & INFORMATION MANAGEMENT (3)
The purpose of this course is to provide the student with basic knowledge of the principles of records management. Emphasis will be placed on the cycle within which information functions are developed in the office. The rules of four storage and retrieval methods along with the equipment and materials necessary to maintain these systems will be covered in detail. The manual records systems will be emphasized so that conversions to automated systems will be simplified once the basic rules have been implanted into a system.

BOTK 2800 - OIS PORTFOLIO/CAPSTONE (2)
This course is a capstone course for students working toward an AAS in Office Information Systems or an AAS in Office Information Systems with emphasis in Medical Office Assistant. The course will provide students with the opportunity to prepare a comprehensive portfolio which may help them gain employment. In this course, students will gather documentation of their abilities to demonstrate their accomplishments in the WWCC Goals for Student Success.
Prerequisite: Minimum 45 credits towards an AAS in Office Information Systems or AAS in OIS with an emphasis in Medical Office Assistant.

BOTK 2810 - ACCOUNTING PROCEDURES I (3)
This 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 OIS student in-depth discussion and application of the procedures they will be expected to perform upon entering the world of work in the electronic office. This course is designed to tie together previously learned skills and knowledge as well as present new subject matter. Modules such as the following will be included: technology in the office, time management, communications, administrative support functions and preparing for employment.
Prerequisite: BOTK 1555 and OOSC 1200 or Instructor Permission.

BOTK 2970 - OIS INTERNSHIP (1 - 3)
This course enhances an academic program of study by providing students with an opportunity to increase their general understanding of business office procedures. Students will be expected to apply concepts from the prerequisite courses to problems and situations in a real-world office environment.

BUSN - BUSINESS

BUSN 2000 - INTRODUCTION TO INTERNATIONAL BUSINESS (3)
This course is a broad survey of the field of international business which introduces the basic concepts of international business activity and theory. Students will be introduced to the major foreign environmental forces - financial, economic, and socioeconomic, physical, sociocultural, political, legal, labor, competitive and distributive - within the context of strategic management issues.

CHEM - CHEMISTRY

CHEM 1000 - INTRODUCTORY CHEMISTRY (4)
A one semester course that provides an introduction to chemistry and its impact on contemporary society. This course is designed for students in home economics, nursing, education, general arts and sciences, and agriculture. Students cannot receive duplicate credit for CHEM 1000 and CHEM 1020.
Prerequisite: MATH 0920 (maybe taken concurrently) or equivalent Math Placement Test, Corequisite: CHEM 1001.

CHEM 1001 - INTRODUCTORY CHEMISTRY LAB (0)
Corequisite: CHEM 1000.

CHEM 1009 - CRITICAL SCIENCE SKILLS (3)
This course is intended to develop the logical skills necessary for success in the Natural Sciences. Key concepts may include: reading a science article, writing as a scientist, scientific math and statistics skills (including computation, units conversion, concepts of probability and statistical significance, and significant digits), science study skills, the language of science, lab equipment and safety skills, lab note-taking and reading and following directions.
CHEM 1020 - GENERAL CHEMISTRY I (4)
This course is the first semester of a two semester sequence. It is designed for science majors. The fundamental principles of chemistry with emphasis on atomic structure, periodicity, stoichiometry, bonding, chemical changes and gas laws are discussed.
Prerequisite: MATH 1400 (C or better), 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 COMPASS Algebra score of 45 or higher, COMPASS Reading Score of 71 or higher AND COMPASS English score of 40 or higher. Corequisite: CHEM 1021.

CHEM 1021 - GENERAL CHEMISTRY I LAB (0)
Corequisite: CHEM 1020.

CHEM 1030 - GENERAL CHEMISTRY II (4)
This course is a continuation of General Chemistry I. This semester emphasizes chemical equilibrium, chemical kinetics, redox reactions, energy changes, nuclear chemistry and acid/base chemistry. Also included is organic and biochemistry.
Prerequisite: CHEM 1020 (C or better) and MATH 1400.
Corequisite: CHEM 1031.

CHEM 1031 - GENERAL CHEMISTRY II LAB (0)
Corequisite: CHEM 1030.

CHEM 2230 - QUANTITATIVE ANALYSIS (5)
General principles of analytical chemistry. Topics include quantitative separations, equilibria, ionization and solubility. Semimicro techniques for quantitative cation and anion analyses are included.
Prerequisite: CHEM 1020 and 1030. Corequisite: CHEM 2231.

CHEM 2231 - QUANTITATIVE ANALYSIS LAB (0)
Corequisite: CHEM 2230.

CHEM 2320 - ORGANIC CHEMISTRY I (4)
The chemistry of carbon compounds. This course emphasizes alkanes, alkenes, alynes and aromatic compounds. The nomenclature, structure and reactivity of these and various functional groups is discussed.
Prerequisite: CHEM 1020 and 1030. Corequisite: CHEM 2321.

CHEM 2321 - ORGANIC CHEMISTRY I LAB (0)
Corequisite: CHEM 2320.

CHEM 2340 - ORGANIC CHEMISTRY II (4)
This course is a continuation of CHEM 2320. More functional groups are discussed as well as carbon rearrangements. Spectroscopy (i.r., n.m.r., u.v.) is discussed in lecture and laboratory. An introduction to biochemistry is included.
Prerequisite: CHEM 2320. Corequisite: CHEM 2341.

CHEM 2341 - ORGANIC CHEMISTRY II LAB (0)
Corequisite: CHEM 2340.

CMAP COMPUTER APPLICATIONS OIS

CMAP 1500 - COMPUTER KEYBOARDING (1)
Computer Keyboarding is designed for students who wish to learn the computer keyboard by touch. It covers the alphabet, number, and symbol keys. Upon completion of Computer Keyboarding, the student will type from 25 to 35 words per minute accurately, proofread keyboarded copy, and demonstrate knowledge of basic keyboarding techniques and conventions. Some students use this course to improve keyboarding speed and accuracy.

CMAP 1610 - WINDOWS I (1)
Upon completion of this course you will know the terms, concepts and components associated with the Windows operating system. Topics include: file management, using help, and customizing windows. The focus will be on hands-on instruction that meets employee needs in the workplace.

CMAP 1705 - WORD PROCESSING APPLICATIONS: (3)
This course offers the student individualized instruction on word processing software such as Microsoft Word or WordPerfect. Emphasis will be on documents applicable to business, government and industry. Some of the topics include: creating, editing, and formatting documents; desktop publishing; styles; tables; merges (form letters); integrating with other applications; macros; templates; and on-screen forms. Students successfully completing this course in Microsoft Word should be prepared to take the Word Expert Level Microsoft Office Specialist exam.
Prerequisite: Keyboarding Competency.

CMAP 1716 - WORD PROCESSING BASICS: (1)
The purpose of this class is to provide the student with the basic features of a software package. This course is recommended for students who want to learn the basics; however it is not recommended for those students interested in the secretarial field.
Prerequisite: Keyboarding Competency.

CMAP 1750 - SPREADSHEET APPLICATIONS: (3)
This course offers the student individualized instruction on spreadsheet software such as Excel. Emphasis will be on spreadsheets applicable to business, government, and industry. Some of the topics include: creating, and maintaining databases; creating queries to locate information; creating professional-looking reports and forms; integrating with other applications; creating macros; and using Visual Basic. Students successfully completing this course in Excel should be prepared to take the Excel Expert Microsoft Office Specialist exam.
Prerequisite: Keyboarding Competency.

CMAP 1800 - DATABASE APPLICATIONS: (3)
This course offers the student individualized instruction on database software such as Microsoft Access. Emphasis will be on databases applicable to business, government and industry. Some of the topics include: planning, creating, and maintaining databases; creating queries to locate information; creating professional-looking reports and forms; integrating with other applications; creating macros; and using Visual Basic. Students successfully completing this course in Microsoft Access should be prepared to take the Access Expert Level Microsoft Office Specialist exam.
Prerequisite: COSC 1200.
CMA P 1850 - DESKTOP PUBLISHING I: (1)

Desktop publishing has become an important tool for communicating in today's office. Upon completion of this course, the student will accurately use page layout software, such as Publisher, to apply desktop publishing concepts in various personal and business applications. Students will produce professional-looking publications such as newsletters, brochures, and flyers.

Prerequisite: Keyboarding Competency.

CMA P 1860 - INTRO TO DIGITAL DESIGN TECHNOLOGIES (3)

This introductory course will cover topics related to living and working in the digital world. Students will learn basic skills to develop various layouts as related to digital media and digital visual communication using today's technology. Topics to be covered include ethical issues awareness and responsibilities related to digital document design, literacy in generalized digital design software tools and uses, and the development of basic skills to develop various layouts as related to digital media and visual communication. Hands-on activities and case studies will prepare students for advanced courses. A computer literacy course, such as COSC 1200, is recommended, but not required.

CMA P 1865 - DIGITAL PAGE LAYOUT DESIGN: (3)

In this course, students will learn basic terminology, tools, and uses related to digital page layout design using the industry-standard professional page layout software. As they become educated designers in the field of digital page layout, students will develop publications, Web pages, brochures, and other digital documents and identify appropriate file formats for different means of presentation and media for such digital layouts. Hands-on case problem-solving for real-world scenarios and clients will give the opportunity to demonstrate the interface between digital page layout software, digital illustration software, and image editing software. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMA P 1870 - DIGITAL ILLUSTRATION DESIGN: (3)

Throughout this course, students will learn basic terminology related to digital illustration and gain practical experience with the industry-standard professional digital illustration program. Through hands-on learning, students will experience the various general tools and uses of digital illustration creation and become educated designers in the field of digital illustration. An awareness of the ethical responsibilities while creating digital illustrations will be developed as real-world scenarios and clients will be investigated and solved. Students will learn and identify various file formats for various purposes as well as the presentation of completed digital illustration projects in various media. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMA P 1875 - DIGITAL MULTIMEDIA DESIGN: FLASH & FIREWORKS (3)

Students in this course will learn the basic terminology related to digital multimedia development using industry-standard digital multimedia creation software programs. Static designs, animations, and different web technologies will be developed by students and then presented in appropriate formats and media such as web pages and videos. Through hands-on case problems and real world scenarios, students will become educated designers in the field of digital multimedia. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMA P 1880 - INTERNET (1)

This course will provide instruction and hands on practical experiences to accomplish a review of the terminology, history and services of the Internet. Students will gain a knowledge of search, chats, e-mail and home pages.

Prerequisite: Basic Typing Skills.

CMA P 1885 - DIGITAL DESIGN PUBLISHING: (1)

This course provides an in-depth overview of the industry standard software for publishing digital documents for digital display and print. Students will be introduced to the program's tools and uses and will learn basic terminology related to digital document publishing. Through hands-on case studies and real world activities, students will develop and demonstrate different digital publications and present them for viewing and use. A computer literacy course, such as COSC 1200 is recommended, but not required.

CMA P 1890 - WWW AUTHORING: DREAMWEAVER (1-3)

This course is an introduction to web page authoring. Students will learn basic skills in: designing, formatting, managing collections of related Web pages, finding online resources, and publishing to a server. Basic computer experience is recommended.

Prerequisite: Keyboarding Competency.

CMA P 1905 - INTEGRATED APPLICATIONS: (3)

This course offers individualized instruction on integrated software common in the business world. Lessons start at a beginning level and build to an intermediate level using an integrated software suite, such as Microsoft Office. Applications will include: work processing, spreadsheets, database, presentations, and several lessons that integrate two or more applications.

Prerequisite: Keyboarding Competency.

CMA P 2600 - COMPUTER GRAPHICS: PHOTOSHOP (1-3)

This course offers the beginning student instruction on current popular computer graphics software programs such as: presentation software, web authoring software, and photo editing software. The focus will be on applications that meet employee needs in the workplace.

CMA P 2605 - COMPUTER GRAPHICS II: (3)

This course offers advanced student instruction on current popular computer graphics software programs such as: presentation software, web authoring software, and photo editing software. The focus will be on applications that meet employee needs in the workplace.

Prerequisite: CMA P 2600 or Instructor Permission.

CMA P 2630 - COMPUTER GRAPHICS: POWERPOINT (1-3)

This course offers the beginning student instruction on current popular presentation software programs such as: Microsoft PowerPoint. Applications will include: creating and developing a presentation of slides, manipulating 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.
Prerequisite: CMPT 1520.

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.

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.

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.

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.

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.

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.

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.

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.

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.

This course is a practical performance course in public speaking. The course combines readings, lectures, discussion, and presentations to help the student become a more competent, confident and effective public speaker. The main topics covered include: researching and organizing a speech, audience analysis, using visual aids, effective delivery, handling stage fright, proposing arguments and making persuasive appeals.
COMM 1030 - INTERPERSONAL COMMUNICATION (3)
This course combines reading, discussions, lectures and exercises to explore a wide variety of topics and skills in face-to-face interaction. The student will become aware of current research in the human communication field as well as become more effective communicators in their relationships with friends, family, co-workers, and intimates. Here is a sampling of topics and skills included in the course: nonverbal communication, male female communication problems, handling interpersonal conflict, improving listening and response skills, and enhancing communication in intimate relationships.

COMM 1040 - INTRODUCTION TO HUMAN COMMUNICATION (3)
From ancient Greece to the present day, scholars have studied human communication. This course considers a variety of theories that help us better understand 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 manager our conflicts. Additionally, this course offers guidance for those who sometimes find themselves playing the role of mediator; a neutral third party who assists disputants create their own solutions. Conflict is a natural, inevitable, and potentially beneficial event in our personal and professional lives. Yet few of us take time to formally study and explore conflict. Managing conflict well requires skills, energy, wisdom and creativity.

COMM 1070 - EFFECTIVE LISTENING (3)
Listening is the process of hearing, attending to, interpreting, remembering, and responding to spoken messages. This course will explore listening theories and research, the listening process, listening challenges, various listening contexts; and essential listening skills.

COMM 1200 - SIGNING EXACT ENGLISH I (2)
This course is designed to familiarize students with the language of Signing Exact English. This language was developed to teach hearing impaired individuals the mechanics of the English language while allowing them to use signed communication. Classes will include signing practice, learning new words, quizzes, finger spelling practice and games. New vocabulary will be introduced each session for practice in the classroom and at home. Students who complete this course will be able to sign approximately 700-1000 words, the alphabet, numbers, time and money, using these in sentences and conversations.

COMM 1230 - AMERICAN SIGN LANG I (4)
American Sign Language is a true language that is used within the deaf community. This course will introduce students to basic expressive and receptive skills in American Sign Language, including conversation strategies, body language, facial expressions, and fingerspelling. Students who complete this course should be able to produce 1500 words with signs learned in class, along with having an awareness of deaf culture.

COMM 1240 - AMERICAN SIGN LANGUAGE II (4)
American Sign Language is a true language that is used within the deaf community. This course will enable students to continue to develop expressive and receptive skills, along with conversational skills in ASL. Students will build their vocabulary, linguistic features, and continue to study deaf culture. Students who complete this course should be able to produce an additional 1500 words with signs learned in class along with having an awareness of deaf culture.
Prerequisite: COMM 1230.

COMM 1370 - PUBLICATIONS PRODUCTION I (1-3)
This course provides practical experience for students interested in producing student publications such as a student newspaper or newsletter, a magazine or a web page. Areas for participation include writing, editing, photography, design and layout depending upon the medium. The goals are 1) to provide the student with hands-on training and instruction in the various areas of production; and 2) to produce a student publication.

COMM 1375 - PUBLICATIONS PRODUCTION II (1-3)
This course provides practical journalistic experience for students interested in producing the college newspaper. Areas for participation include newswriting, editing, photography, advertising sales and design, and layout. The goals are 1) to provide the student with hands-on training and instruction in the various areas of production, and 2) to produce a quality college newspaper.

COMM 2060 - FORENSICS PRACTICUM (1)
Develops basic skills in competitive and public speaking by refining the speaking and thinking competence of students. This course requires attendance at three competitive tournaments per semester in parliamentary debate and/or interpretive events. Students of this course must be a member of the WWCC Forensics Team. Course may be taken twice for credit.

COMM 2080 - INTRODUCTION TO FORENSICS RESEARCH (2)
This course is designed to provide instruction and assessment in research, study, and competition in speech events. Focus in this course will be on the research and development of interpretive and original (oratory) speeches to be used in college competition. Course may be taken twice for credit.

COMM 2085 - INTRODUCTION TO PARLIAMENTARY DEBATE (2)
This course introduces students to the vocabulary, structure, and strategy of competitive parliamentary debate. The student will show development of basic skills in competitive debate and public speaking by refining their speaking and thinking competence through this debate style. This course requires attendance at three competitive tournaments per semester in parliamentary debate. Course may be taken twice for credit.

COMM 2090 - INTRODUCTION TO PERSUASION (3)
Persuasion is communication intended to influence the beliefs, values and/or behaviors of other people. This course is designed to make the student aware of major theories and research in persuasion; to help the student become a more critical receiver of persuasive messages; and help the student become a more competent persuasive speaker. As a result of the course, the student should have an understanding of how persuasion happens interpersonally, in advertising, in political campaigns and in public speech.
COMM 2100 - REPORTING & NEWSWRITING I (3)
A study of the fundamentals of writing the news story through practice in writing and analysis of the form. Second semester continues with a study of news gathering techniques and procedures and specialized journalism.

COMM 2110 - NONVERBAL COMMUNICATION (3)
This course surveys research findings in the study of human nonverbal behavior. Topics include: physical appearance, touch, distance, face and eye behavior, scent, time, gestures, and other nonverbal cues. The student will gain a deeper understanding of nonverbal's impact in our daily lives. Attention will be given to nonverbal's impact on relationships between superiors and subordinates, women and men, teachers and students, and members of different cultures.

COMM 2200 - BROADCAST PRODUCTION (3)
This course focuses on producing broadcast media with emphasis on actual experience with equipment and understanding of its operation. Students will learn how to create news for broadcasting by utilizing the on-campus radio station, campus monitors, and the webcasting system. Students will produce audio and/or video news stories for radio and television broadcast as well as Web distribution. Incorporated into this class is broadcasting Mustang Athletic events for live Internet feed. Course may be taken twice for credit.

COMM 2210 - BROADCAST PRACTICUM (2)
This practicum will continue the learning process from the prerequisite course by further focusing on broadcast media in depth, and allowing students to experiment with various types of equipment used in broadcast journalism. Course may be taken twice for credit.

Prerequisite: COMM 2200.

COMM 2270 - PUBLIC RELATIONS (3)
This course is designed to introduce students to the field of public relations - the profession, its processes, its publics, the kinds of organizations in which it is practiced, and the critical issues that confront it. It also addresses a variety of public relations theories, case studies, and tactics, including those involving print, broadcast, and electronic media. It is designed to increase competence and build confidence in students interested in the public relations field, and to build skills in writing, speaking, listening, research, critical thinking, and creative thinking. Lectures, videos, issue and case study debates and analyses, practice exercises and projects, readings and discussions are incorporated into the class.

COMM 2300 - GRAPHIC DESIGN I (3)
This course introduces the fundamentals of graphic design to students interested in desktop publishing. Students learn to use type, layout and other design elements to produce effective ads, brochures, newsletters and other documents on personal computers. Adobe PageMaker is used to design visually appealing and communicative artwork for print.

Prerequisite: Basic Computer Competency Windows or Mac environment.

COMM 2330 - GRAPHIC DESIGN II (3)
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 2102 or COMM 2300 or Instructor Permission.

COMM 2370 - PUBLICATIONS PRODUCTION III (1-3)
This course provides practical journalistic experience for students interested in producing the college newspaper. Areas for participation include newswriting, editing, photography, advertising sales and design, and layout. The goals are 1) to provide the student with hands on training and instruction in the various areas of production, and 2) to provide a quality college newspaper.

COMM 2375 - PUBLICATIONS PRODUCTION IV (1-3)
This course provides practical journalistic experience for students interested in producing the college newspaper. Areas for participation include newswriting, editing, photography, advertising sales and design, and layout. The goals are 1) to provide the student with hands on training and instruction in the various areas of production, and 2) to produce a quality college newspaper.

COMM 2485 - COMMUNICATION SEMINAR: (1-3)
This course will combine readings, lectures, discussions, films, and activities to explore a wide variety of topics and issues in the communication field, generally one theme per semester. Past topic offerings include listening, intercultural communication, and media literacy; future topics may vary from semester to semester.

COSC - COMPUTER SCIENCE

COSC 1010 - 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 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.)

COSC 1350 - WEB DEVELOPMENT I (3)
Students will learn some of the most important topics of a prominent web programming language, from the basics of creating Web pages with graphics and links, using tables, and controlling page layout with frames, to more advanced topics including cascading style sheets, programming objects and events, creating multimedia Web page, and creating a Web page with forms.
Prerequisite: COSC 1200.

COSC 1360 - PC SUPPORT TECHNICIAN: (4)
This course is intended to prepare students for a national certification exam to meet entry-level requirements for employment in areas closely related to the PC support industry. Examples include: small computer repair (A+ Certification), networking small computers (Network+ Certification), integrating the small computer with the internet (I-net Certification), and similar courses.

COSC 2350 - WEB DEVELOPMENT II (3)
The main purpose of this course is to provide students with a strong understanding of Web design principles in the planning, building, publishing, maintaining, and publicizing of a Web site. This course focuses on the complete Web development cycle from the conception of the idea of a site through the building and publishing of the site. Construction components for this course will focus on the prominent programming language(s).

COSC 2360 - WEB PAGE DYNAMICS & SCRIPTING (3)
In this course, students will take an in-depth look at programming concepts and techniques for web page design. Students will examine theoretical concepts that make the world of script programming unique. In addition, this course will adopt a practical hands-on approach when examining programming styles. Along with examining different coding, this course will explore the advancement of programming, as well as, timeless problem solving strategies.

COSC 2409 - PROGRAMMING (VISUAL BASIC) (3)
This course studies modern programming languages that are geared primarily toward graphical user interfaces and interactive processing. An activity course that introduces students to the concepts of end-user computing, human factors in interface design, graphical programming environments and event-driven programming.
Prerequisite: MATH 1400 or higher (C or better) or Instructor Permission.

COSC 2800 - COMPUTER SCI PORTFOLIO/CPSTN (2)
This course is a capstone course for students working towards an AS in Computer Information Systems. The course will enable students to prepare a comprehensive portfolio to demonstrate their accomplishments in meeting WWC's Goals for Student Success. Students will also prepare an in-depth project with respect to the area of computer science.
Prerequisite: Students must have completed 45 credit hours toward intended degree.

CRMJ - CRIMINAL JUSTICE
CRMJ 1015 - HOMELAND SECURITY: (3)
This course will examine some of the methods of responding to emergencies, whether they are natural or manmade, as well as why we need to discuss these issues today in a Post 9/11 World. Topics will vary from semester to semester and may include critical infrastructure, terrorist groups, suicide bombers, and natural disasters.

CRMJ 1550 - COMMUNITY RELATIONS (3)
This course is concerned with problems which polarize law enforcement and the community. The study of these problems and how to solve them through improved public relations. An overview of several public relations programs presently in use in the law enforcement field.

CRMJ 1900 - INTRODUCTION TO LAW ENFORCEMENT (3)
This introductory course is intended for those students seeking a career in law enforcement and those wishing a basic overview of the role of police in American society. It will provide an overview of the expectations and realities of police work. The course provides an overview of the role of police officers in society, their basic duties and responsibilities, career options, and current topics on special problems facing law enforcement.

CRMJ 2120 - INTRODUCTION TO CRIMINAL JUSTICE (3)
This course provides the criminal justice student with an overview of the institutions and procedure of the criminal justice system. Historical and theoretical perspectives on law enforcement, the courts and corrections will be examined. Emphasis is placed on current political issues facing the criminal justice system.

CRMJ 2210 - CRIMINAL LAW I (3)
This is a survey course that provides a basic understanding of the criminal law it developed and as it presently exists throughout most of the United States.

CRMJ 2220 - CRIMINAL LAW II (3)
Provides the knowledge, both legal and procedural, as to how criminal evidence is handled and maintained for the court process. The student will receive an overview of the procedures available to the law enforcement investigator for the laboratory, both field and in-house, processes which will aid in yielding criminal evidence.
Prerequisite: CRMJ 2210.

CRMJ 2250 - POLICE ADMINISTRATION I (3)
This course provides the student an understanding of law enforcement organization and an introduction to the administration mechanics required in the operation of a law enforcement agency. The student will be exposed to a wide variety of state-of-the-art activities and structures which become the necessary daily operations of a police agency.

CRMJ 2280 - CRIMINAL PROCEDURES (3)
This 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 2460 - POLITICAL CRIME (3)
This course is designed to provide the student with an overview of the three categories of political crime: crimes against the state (government, treason, etc.); crimes committed by the state (government, denial of civil rights, etc.); and crimes against other groups (hate crimes, etc.). Students will be exposed to the role of the criminal justice system when confronted with these crimes and activities. Due to recent concern about government abuses and growth of militia groups, a large portion of the course will be spent studying these groups, their beliefs and tactics. Also major hate groups such as the Aryan Nation and the Ku Klux Klan will be discussed as groups involved in crimes against other groups. Students will be exposed to widely varying viewpoints from assigned readings, debates and guest speakers. The subject of this course is very controversial to many. Various topics may be presented by either the instructor or guest speakers in a manner that may be offending to some. The student should be aware that the treatment of many subjects will be for the purpose of provoking discussion rather than personal beliefs of the instructor.

CRMJ 2510 - PATROL PROCEDURES (3)
Course is designed to familiarize the student with patrol operations in the community with emphasis on the police patrol officer and the accomplishment of his duties. The student will be exposed to several methods of aggressive and proactive patrol tactics and techniques.

CRMJ 2550 - CRIMINAL INVESTIGATION I (3)
The course will familiarize the criminal justice student with the basic principles of the investigative technique. To correlate legal information into effective data necessary to the process of legal prosecution. Also, to familiarize the student with methods of operation, character of criminals and the aspect of state-of-the-art criminal detection methods.

CRMJ 2560 - CRIMINAL INVESTIGATION II (3)
Course designed to acquaint the criminal justice student to people who are witnesses or suspects through mental and physical characteristics, and various methods of questioning, therefore strengthening the student’s background in obtaining information. Various cases will be reviewed throughout the semester to introduce the student to actual effective techniques presently in use by law enforcement investigators.

CRMJ 2580 - CRISIS INTERVENTION MANAGEMENT (3)
Provides the criminal justice student knowledge as to the skills he must develop in order to effectively perform the law enforcement function as related to highly volatile, and extremely stressful, human emergency situations.

CRMJ 2590 - DRUGS & CRIMINAL JUSTICE (3)
Provides the history and tentative identification of the abused drugs, their physical and mental characteristics when inhaled, their effects and relationship on the individual, education, society and the courts. The second portion of this course deals with prostitution and gambling, its impact upon the individual, law enforcement and society. The student will be exposed to the history, profiteering and control of violations of vice and narcotics-types crimes.

DESL - DIESEL TECHNOLOGY

DESL 1500 - DIESEL ENGINE FUNDAMENTALS (1)
This class will cover the terminology directly related to diesel engines, the theory of basic diesel engine operation, and engine components will be covered. This class will also cover the theory and operation of a mechanical diesel engine fuel injection system. The students will be instructed in troubleshooting, diagnosis and repair procedures for these systems. The students will also be introduced to electronic injection system theory and operation.

DESL 1590 - HEAVY DUTY POWER TRAINS (6)
This course is designed to introduce the students to the fundamentals, theory, and applications of heavy duty drivetrains. The course will cover all components of heavy duty drivetrains including twin disc clutches, twin counter shaft manual transmissions, Allison and Caterpillar automatic transmissions, 5000 and 6000 series driveline components and double and single reduction differentials. Methods of disassembly, repair and diagnostics will be covered as well as safe and correct procedures for removal and replacing these components in heavy duty vehicles.

DESL 1595 - DIESEL FUNDAMENTALS (3)
This course will cover the terminology, 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 inspection 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 1625 - DIESEL ENGINE FUEL EMISSIONS & ELECTRONIC CONTROLS (3)
This course will expand student knowledge 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 1645 - ADVANCED DIESEL ENGINE & ELECTRONICS (1)
This course is intended to further the understanding of diesel engines by discussing the theory of electronic controlled diesel engines. The course will introduce the student to basic computer control systems and components as related to a modern diesel engine and to scan tools and diagnostic software for electronic fuel injection control systems as well as electronic troubleshooting, diagnosis and emissions reduction and controls.
Prerequisite: DESL 1500.

DESL 1680 - HD BRAKE & SUSPENSION (3)
This course is designed to introduce the students to the fundamentals, theory, and applications of heavy duty brakes and suspensions systems. The course will cover all components of heavy duty brakes and suspension including Air brake systems, heavy duty steering; both manual and power, conventional suspension and air ride suspension. Methods of disassembly, repair and diagnostics will be covered as well as safe and correct procedures for removing and replacing these components in heavy duty vehicles.

DVST - DEVELOPMENTAL STUDIES
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 1010 - MACROECONOMICS (3)
A beginning study of how the economic society is organized and uses scarce resources to provide for its material wants. Topics to be covered include national income analysis, business cycles, the banking system, monetary and fiscal policy, inflation, and unemployment.

ECON 1020 - MICROECONOMICS (3)
How the economic society is organized and uses scarce resources to provide for its material wants. Second semester will cover value and price theory, monopoly and public policy, markets for productive goods and services, labor economics, alternative forms of economic organizations.
Prerequisite: ECON 1010 (C or better).

ECON 1200 - ECONOMICS, LAW & GOVERNMENT (3)
Markets and free enterprise depend on supportive legal and political institutions. This course investigates the influence of these governmental and legal institutions on markets and individual economic decisions. By exposing students to the US political economy, they will see important relationships between market development, the legal framework, and the political system. The US and Wyoming constitutions are studied to show their importance to free enterprise. Alternative views of the appropriate roles of government in the economy will be discussed. This knowledge of economics, law, and government will then be applied to the study of current issues.
Prerequisite: BADM 1000, may be taken concurrently.

EDCI - EDUCATION, CURRICULUM & INSTRUCTION
EDCI 1000 - EDUCATION EXPERIENCE PROSPECTIVE TCHRS (2)
This course is designed to assist freshman education majors in making the transition to college life. Involvement in the college as a whole with knowledge of the resources available is central. An understanding of the academic requirements of continuing in the field of education is incorporated.

EDCI 2440 - INTRODUCTION TO CLASSROOM MANAGEMENT (1)
This course is designed to meet the needs of education majors as an introduction to methods of classroom management. Broad areas to be addressed include strategies to promote a positive and constructive classroom climate and techniques for addressing concerns specific to varied student populations.
Corequisite: EDFD 1010.

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 programs, 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.
Prerequisite: MATH 1100.

EDEL 1430 - LIFE SCIENCE IN THE ELEMENTARY SCHOOL (1)
Intended for elementary education majors, this course is the application component of BIOL 1003 and BIOL 1010. The course covers basic life science concepts of the fundamental principles of biology, materials, and curricula appropriate for elementary school students, with an emphasis on teaching critical thinking and problem-solving application skills.
Prerequisite: BIOL 1003 or BIOL 1010 (may be taken concurrently).

EDEL 2410 - MATH FOR ELEMENTARY SCHOOL TEACHERS II (1)
This course covers selection of basic mathematics concepts, materials and curricula appropriate for elementary schools. This course parallels the content of MATH 2120 and concurrent enrollment in MATH 2120 is expected.
Prerequisite: MATH 1105 (C or better). Corequisite: MATH 2120.

EDEX - EDUC EXCEP CHILD
EDEX 2190 - THE GIFTED STUDENT (1)
Students will demonstrate knowledge and understanding of the characteristics, identification, and unique needs of gifted and talented learners. Appropriate curriculum and instruction will be explored with special emphasis placed on effective instructional methods for teaching gifted and talented learners in the regular classroom.
Prerequisite: EDCI 1000 or other introductory education course or Instructor Permission.

EDEX 2484 - INTRODUCTION TO SPECIAL EDUCATION (3)
This course is designed to meet the needs of education majors for a required course in Special Education. Broad areas to be addressed include major trends and issues in special education, the unique educational and life needs of children with disabilities, and the roles of general and special class teachers, family, and the community in serving these children. Students will also focus on collaboration with other professionals and inclusion of students with disabilities in the general classroom as a basis for providing for student classroom success by implementing interventions and adaptations.
Prerequisite: EDCI 1000 or other introductory education course or Instructor Permission.

EDFD - EDUCATION FOUNDATIONS
EDFD 1010 - FIELD EXPERIENCE (2)
This is an introductory course that provides an opportunity for students considering a profession in education to observe and reflect upon some basic activities in teaching from the perspective of teacher rather than student. An initial practicum in various level classrooms is included.
Prerequisite: EDCI 1000 (C or better). Visits to educational settings included. Corequisite: EDCI 2440.

EDFD 2020 - FOUNDATIONS OF EDUCATION (3)
This course is designed to acquaint the student with a survey of educational thought and practice in the United States. An understanding of the history and philosophy of instruction and the laws and court cases that affect it helps lay a foundation for analyzing contemporary problems in education. Governance, finance and the role of personal educational philosophy are included.
Prerequisite: EDFD 1010 (C or better). Corequisite: EDUC 2100.

EDFD 2100 - EDUCATIONAL PSYCHOLOGY (3)
Students will demonstrate knowledge and understanding of psychological concepts, principles, and research relevant to teaching and learning with emphasis on the school setting.
Prerequisite: EDFD 2020 (C or better), EDUC 2100 (C or better), and PSYC 1000. Corequisite: EDUC 2110.

EDFD 2451 - LIFE SPAN: ADULTHOOD (1)
This course offers a psychosocial overview of human change following adolescence to old age. To understand how and why people function as they do. Physical, cognitive, social and emotional aspects of how goals, interests and roles in life change over this span of life will be examined.

EDUC - EDUCATION GENERAL
EDUC 1040 - ESSENTIAL SKILLS FOR THE CLASSROOM (1)
This course will teach skills to create a classroom that stimulates responsible behavior and high levels of academic achievement. Techniques reviewed will be preventing misbehavior and increase time on tasks, avoiding power struggles while setting limits, teaching character through the application of logical sequences, and developing cooperative relationships with teacher and parents. Students will also experiment with preserving the learning environment when one or more students become disruptive and unresponsive to preventative discipline. Offered at Outreach Only.

EDUC 1520 - SUBSTITUTE TEACHER TRAINING (2)
This course provides the training needed for the Wyoming Professional Teaching Standards Board Classroom Substitute Permit and is for those who do not have the Substitute Teacher Permit. Students will work to demonstrate competence in age level communication skills, use and application of lesson plans, use of instructional technology and professional attitudes and behaviors. Upon completion of this class students must make application to the WPTSB for the permit. Note: In order to qualify for a Classroom Substitute Permit, students must complete 10 hours of classroom observation in each level in which they wish to serve as a classroom substitute. (Elementary, junior high/middle school, high school). These observations will not be part of this class. Students will need to arrange the observations with their school districts.
Prerequisite: High School Diploma or GED Certificate.
EDUC 2100 - PRACTICUM IN TEACHING I (1)
Students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a classroom teacher. This practicum, taken concurrently with Foundations of Education, provides an opportunity to tie course concepts to actual field experience. A minimum of thirty hours of classroom time will be spent in a classroom at the teaching level being considered by the student.
Prerequisite: EDFD 1010. Corequisite: EDFD 2020.

EDUC 2110 - PRACTICUM IN TEACHING II (1)
Students will participate in an extensive practicum experience for prospective educators in an accredited school under the supervision of a classroom teacher. This practicum, taken concurrently with Educational Psychology, provides an opportunity for the student to tie concepts of learning, classroom management, and discipline to actual field experience. A minimum of thirty hours of classroom time will be spent in a different classroom level and style than Practicum in Teaching I.
Prerequisite: EDUC 2100 (C or better), EDFD 2020 (C or better), and PSYC 1000. Minimum Classroom Practice of 30 hours.
Corequisite: EDFD 2100.

ELAP - ELECTRICAL APPRENTICESHIP

ELAP 1515 - ELECTRICAL APPRENTICESHIP I (3)
This course is designed to provide the beginning electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, introduction to the National Electrical Code, basic electrical theory, lighting and appliance circuits and wiring methods.

ELAP 1525 - ELECTRICAL APPRENTICESHIP II (3)
This course is designed to provide the first year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include series/parallel circuits, electric power, electrical theorems, special outlets, service calculations and applications of the National Electrical Code.
Prerequisite: ELAP 1515 or Instructor Permission.

ELAP 1535 - ELECTRICAL APPRENTICESHIP III (3)
This course is designed to provide the second year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, AC electricity, inductance, capacitance, transformers, motors and application of the National Electrical Code.
Prerequisite: ELAP 1525 or Instructor Permission.

ELAP 1545 - ELECTRICAL APPRENTICESHIP IV (3)
This course is designed to provide the second year apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include wiring methods, branch and feeder circuits, motor calculations, transformer sizing and applications of the National Electrical Code.
Prerequisite: ELAP 1535 or Instructor Permission.

ELAP 1555 - ELECTRICAL APPRENTICESHIP V (3)
This course is designed to provide the third year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, blueprint reading, construction procedures, grounding and ground fault calculations, and service calculations based on the National Electrical Code.
Prerequisite: ELAP 1545 or Instructor Permission.

ELAP 1565 - ELECTRICAL APPRENTICESHIP VI (3)
This course is designed to provide the third year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include industrial and commercial services, alarm systems, hazardous locations and application on the National Electrical Code.
Prerequisite: ELAP 1555 or Instructor Permission.

ELAP 1575 - ELECTRICAL APPRENTICESHIP VII (3)
This course is designed to provide the fourth year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, motor controls, power distribution, solid state controls and programmable controllers.
Prerequisite: ELAP 1565 or Instructor Permission.

ELAP 1585 - ELECTRICAL APPRENTICESHIP VIII (3)
This course is designed to provide the fourth year electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include advanced motor controls, branch and feeder circuits, service entrance and grounding calculations based on the National Electrical Code and review for the state exam.
Prerequisite: ELAP 1575 or Instructor Permission.

ELTR - ELECTRICAL TECHNOLOGY

ELTR 1030 - PROGRAMMABLE LOGIC CONTROLLER FOR INDUSTRY: (1-3)
This course is designed to help students learn to use the vendor software to communicate with, program, and troubleshoot the programmable logic controller covered in this course. The course will also cover the command structure and functions in building programs to run on the programmable logic controller. Other topics will include establishing communication links, uploading and downloading programs using the personal computer, addressing I/O, program monitoring and program documentation.

ELTR 1035 - PROCESS CONTROL TECHNIQUES: (1-3)
This course is designed to teach students the basic techniques necessary to evaluate process control loop operation and make changes to controller settings to achieve an acceptable loop response. Students will be working with functioning process loops using industrial control components such as digital controllers, smart transmitters, and control valve/positioner final control elements. Techniques for setting up and calibrating components will be utilized. Tuning results will be documented with strip chart recordings of the process response.
**ELTR 1501 - ELECTRICAL Sfty 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 protection. This course is for participants in industry such as Operators, Supervisors, New Hires, or any other personnel that could be in the proximity of an electrical hazard 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 1502 - ELECTRICAL Sfty 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)**
This course is offered as both a day or evening class, and students employed in shift-work may attend either session. Topics of study include electrical safety, conductors, grounding, soldering, methods of securing electrical connections, fabrication of printed circuit boards, component replacement, common electrical schematic symbols, and use of common electrical test equipment and electrical hand tools. The student will demonstrate the ability to solder, make electrical connections, and safely use various types of measurement equipment upon completion of this course.

**ELTR 1520 - BASIC ELECTRICITY, DC (3)**
This course is offered as both a day and evening course, and students employed in shift-work may attend either session. The student will develop electrical safety and good shop practice skills. Topics of study include DC electricity theory, units of electricity, Ohm’s Law, Kirchhoff’s Laws, power, resistance, series-parallel circuits, electrical math and the use of formulas, and the use of basic meters. The student must demonstrate the ability to trouble-shoot a complex DC series-parallel circuit upon completion of this course.
Prerequisite: TECH 1000, MATH 0920, ELTR 1505 or Instructor Permission.

**ELTR 1521 - BASIC ELECTRICITY, DC - INDUSTRY (1)**
The student will develop electrical safety and good shop practice skills. Topics of study include DC electricity theory, units of electricity, Ohm’s Law, Kirchhoff’s Laws, power, resistance, series-parallel circuits, electrical math and the use of formulas, and the use of basic meters. The student must demonstrate the ability to trouble-shoot a complex DC series-parallel circuit upon completion of this course.

**ELTR 1530 - BASIC ELECTRICITY, AC (3)**
This course is offered as both a day and evening course, and students employed in shift-work may attend either session. Topics of study include AC electricity theory, magnetism, inductance, capacitance, reactance, impedance, resonance, AC series-parallel circuits, electrical math and the use of formulas, and the use of the oscilloscope and AC test equipment. The student must demonstrate the ability to trouble-shoot a complex AC series-parallel circuit upon completion of this course.
Prerequisite: Take ELTR 1520 or instructors permission.

**ELTR 1531 - BASIC ELECTRICITY, AC - INDUSTRY (1)**
Topics of study include AC electricity theory, magnetism, inductance, capacitance, reactance, impedance, resonance, AC series-parallel circuits, electrical math and the use of formulas, and the use of the oscilloscope and AC test equipment. The student must demonstrate the ability to trouble-shoot a complex AC series-parallel circuit upon completion of this course.

**ELTR 1681 - ELECTRICAL PRINT READING FOR INDUSTRY (0.5)**
This course is designed to instruct students on the reading and interpretation of electrical shop drawings as well as the symbols used in these types of blueprints. Topics may include an introduction to electrical schematics and symbols; guidelines for reading electrical schematics, symbols, and diagrams; and logic applied to electrical line diagrams.

**ELTR 1700 - INTRODUCTION TO SOLID STATE ELECTRONICS (4)**
This self-paced course is offered all semesters as both a day and evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of semiconductors, methods of testing diodes and bipolar transistors power supplies and basic amplifiers. The student must demonstrate the ability to properly connect and troubleshoot basic solid state power supplies and amplifiers upon completion of this course.
Prerequisite: ELTR 1530 or Instructor Permission.

**ELTR 1703 - VARIABLE FREQUENCY DRIVES, FOR INDUSTRY (1)**
This lecture and hands-on course is designed to introduce technicians, operators, and mechanics to common installation, operation and troubleshooting practices typical of variable frequency drives. VFD operation principles, system descriptions, operation and available power ratings will be presented. An overview of electrical blue prints and solid state electronics, will be presented. This course can be used as the industry training part of the electrical recertification.

**ELTR 1760 - INTRO TO DIGITAL ELECTRONICS (4)**
This self-paced course is offered spring semesters as both a day and evening class and students employed in shift-work may attend either session. Topics of study include safety, principles of digital circuits, logic gates, counting circuits, registers, and A/D converters. The student must demonstrate the ability to properly connect and troubleshoot a basic logic control system upon completion of this course.
Prerequisite: ELTR 1700 or Instructor Permission.

**ELTR 1840 - INSTRUMENTATION I (3)**
This self-paced course is offered both as a day and evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of control systems, methods of measurement and control elements. The course covers various instrumentation methods to measure flow, temperature level, and pressure. The student must demonstrate the ability to properly connect and troubleshoot a basic instrumentation system upon completion of this course.
Prerequisite: TECH 1000 or MATH 0920 or Instructor Permission.
ELTR 1841 - INSTRUMENTATION I FOR INDUSTRY (2.5)

This condensed course will introduce the student to basic principles of control systems and provide a basic and functional knowledge of typical instrumentation involved in process control. Topics of study include safety, methods of measurement, and control elements. The course covers various instrumentation methods to measure temperature, pressure, level, and flow.

ELTR 1850 - INSTRUMENTATION-OIL & GAS PRODUCTION (3)

This course will familiarize the student with operation and maintenance of instrumentation used for process control at a typical oil and natural gas well site. Topics of study include safety, methods of measuring and controlling flow, temperature, level, and pressure. The student will be required to demonstrate the ability to identify and solve basic problems relative to well site instrumentation upon completion of this course.

Prerequisite: TECH 1000, or MATH 0920, or Instructor Permission.

ELTR 2620 - CONTROL 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 2815 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 2840 and 2885, or Instructor Permission.

ELTR 2820 - POWER DISTRIBUTION (3)

This course is a practical study of theory, operation, and service of power distribution systems. Coursework will provide training in DC and AC (both single phase and 3 phase) power systems. Students will study power distribution fundamentals, equipment, and maintenance of these systems.

Prerequisite: ELTR 1530, ELTR 2840, or Instructor Permission.

ELTR 2821 - POWER DISTRIBUTION FOR INDUSTRY (1)

This course is intended for the Electrical Technology student. Instruction provides training in the performance of tasks related to high voltage industrial power distribution and control systems. This course is approved for S/U grading.

ELTR 2825 - 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 1840, ELTR 2815 and ELTR 2820 or Instructor Permission.

ELTR 2840 - 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 and programmable logic controller applications. The student must demonstrate the ability to connect and troubleshoot motor control circuits.

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 2844 - REMOTE TERMINAL UNIT PROGRAMMING (3)

This course will teach the methodology for programming the various IEC-61131 languages. The course will include classroom lecture that will be reinforced with lab work using industry standard software and hardware. Topics of learning may include safety, establishing communication between a PC and a controller, database creation, I/O selection and configuration, MODBUS addressing, and the IEC-61131 programming languages: 1) ladder logic, 2) function block diagrams, 3) structured text and 4) sequential function charts. The student must demonstrate the ability to connect to, program and troubleshoot a controller.

Prerequisite: ELTR 2815 and ELTR 2885, or Instructor Permission.

ELTR 2846 - HUMAN MACHINE INTERFACE PROGRAMMING (3)

This course will teach the methodology for programming human machine interfaces (HMI’s). The course will include classroom lecture that will be reinforced with lab work using industry standard hardware and software. Topics learning may include safety, HMI communication to a controller, database creation, window creation using programming objects, parameter files, animation and alarming. The student must demonstrate the ability to connect an HMI to a controller, create an HMI project and troubleshoot an HMI.

Prerequisite: ELTR 2815 or Instructor Permission.
ELTR 2855 - 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)

A continuation of ELTR 1840 (Instrumentation I) in the study of instrumentation techniques. This course focuses on the techniques and laboratory practice for adjustment, calibration, and testing of instrumentation components and control loops.

Prerequisite: ELTR 1840, or ELTR 1841, or Instructor Permission.

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. Students will practice the techniques of system calibration using industrial process simulators in the laboratory.

Prerequisite: ELTR 2885 or Instructor Permission.

ELTR 2980 - CO-OP WORK EXPERIENCE: ELECTRICAL & INSTRUMENTATION (1-3)

EMGT - EMERGENCY MANAGEMENT

EMGT 1500 - PRINCIPLES OF EMERGENCY MANAGEMENT (3)

This course introduces the student to the field of Emergency Management. Students will learn methods emergency managers can use to identify hazards, as well as to coordinate disaster planning and response within any jurisdiction.

EMGT 1530 - EMERGENCY PLANNING FOR DISASTER (3)

Students in this course will develop an emergency operations plan. They will use team approaches to create an effective, up-to-date emergency plan that meets local, state, and federal requirements when it comes to disasters, whether weather, natural, or manmade emergencies.

EMGT 1630 - EMERGENCY OPERATIONS CENTER (3)

Students will gain the knowledge and skills necessary to find a safe location for, design, activate, and operate an Emergency Operations Center (EOC). Students will also study the functions of the EOC and preparing officials for their roles and purpose in an EOC environment.

EMGT 1650 - EMERGENCY RESOURCE MANAGEMENT (3)

This course provides students with the knowledge and skills required to effectively identify, develop, and manage a resource management system.

EMGT 2610 - DISASTER EXERCISE DESIGN & EVALUATION (3)

This course will introduce students to the fundamentals of exercise design and evaluation. Students will learn to identify the need for a small functional exercise, how to design and conduct an exercise, and how to evaluate an exercise for the government and the private sector.

EMGT 2640 - DISASTER RESOURCE & RECOVERY OPERATIONS (3)

Students of this course will be introduced to basic concepts and operations of a disaster environment, especially in terms of major disaster incidents. Students will also learn to broaden and enhance their understanding of state and local roles, their responsibilities, and their importance to overall response and recovery efforts. The course will also address the coordination and problem-solving aspects of disaster operations.

ENGL - ENGLISH

ENGL 0950 - BASIC ENGLISH I (3)

This beginning writing course helps students create complete and interesting paragraphs with topic sentences, supporting details, correct grammar, punctuation, and usage. Students will also study grammar and sentence skills.

Prerequisite: English Placement Exam score of 38 or lower.

ENGL 0955 - BASIC ENGLISH II (3)

This course prepares students for writing in college-level courses. The course emphasizes the writing of clearly organized, well-developed five-paragraph essays with as few grammar, spelling, and/or punctuation errors as possible.

Prerequisite: English Placement Exam score of 39-74 or ENGL 0950.

ENGL 1010 - ENGLISH COMPOSITION I (3)

This freshman English course is designed to develop writing skills. The course has two objectives: for students to understand the various stages of the writing process, such as pre-writing, revising, and proofreading and for students to write clear, well-ordered essays.

Prerequisite: English Placement Exam, ACT Score of 21 or higher.

ENGL 1020 - ENGLISH COMPOSITION II (3)

A continuation of English I, this course emphasizes writing, research, and analytical reading.

Prerequisite: ENGL 1010.

ENGL 1111 - ADVANCED COMPOSITION (3)

A course intended to increase the students' skill in expository writing through practice in writing and analysis of examples of successful writing. Particular emphasis is placed on organization and on clarity and persuasiveness.

Prerequisite: ENGL 1010.
ENGL 2010 - TECHNICAL WRITING (3)
This course emphasizes professional writing and research that students can expect to use in science, business, industry and/or government. Examples include memos, letters, instructions, proposals, resumes, and reports. Students will learn how to write clearly and concisely, how to shape a message for a particular audience, how to design a document, and how to create visuals.
Prerequisite: ENGL 1010.

ENGL 2040 - CREATIVE WRITING: (3)
This course is intended for writers who want to learn to write and improve their journaling, performance poetry, short fiction, creative non-fiction genres of creative writing, and other genres of creative writing. The specific topic will vary each semester. The course has two main objectives: 1) To assist writers in drafting work of artistic intention and merit, and; 2) To further develop each author's abilities as a reader, audience member, and critic of serious contemporary creative work.

ENGL 2050 - CREATIVE WRITING: PROSE I (3)
An introductory course in creative prose writing. An analysis of the forms of fiction and the practice of creative writing at the introductory level.

ENGL 2060 - CREATIVE WRITING: PROSE II (3)
Further study in introductory prose fiction, including round table discussion of the elements of the genre, the sharing of students' works and submission of finished works.

ENGL 2064 - CREATIVE WRITING: JOURNALING (3)
This English course is designed to develop journal writing skills. The course has two overall objectives: (1) for students to understand and write various styles of journals, and (2) for students to submit a portfolio with a reflective paper and completed individual journals consisting of one or more styles of journals.

ENGL 2065 - CREATIVE WRITING: MEMOIR WRITING (3)
Participants will write stories based on their own experiences and observations. We will practice the process of writing, from idea-gathering exercises designed to give participants strategies to begin writing their own stories, to drafting and presenting these rough drafts to the other class members for feedback and revision.

ENGL 2080 - CREATIVE WRITING: POETRY I (3)
An introductory course in creative poetry writing. An analysis of the forms of poetry and the practice of creative writing at an introductory level.

ENGL 2090 - CREATIVE WRITING: POETRY II (3)
Further study in introductory poetry writing, including round table discussion of the elements of the genre, the sharing of students' works and submission of finished works.
Prerequisite: ENGL 2080.

ENGL 2091 - CREATIVE WRITING: PUBLISHING YOUR WORK (1)
This course will provide students with tools and techniques for pursuing publication of their creative work. Students will learn how to conduct market research using online resources, prepare manuscripts for publication, write query letters and cover letters, establish a record-keeping system, and submit their work for publication to journals and magazines (both online and print) and to book publishers.

ENGL 2140 - WORLD LITERATURE I (3)
Ancient through Medieval: Reading and study of major works that are representative of significant periods or literary forms in the history of literature from Homer through the medieval period.
Prerequisite: ENGL 1010.

ENGL 2150 - WORLD LITERATURE II (3)
Renaissance through 19th Century: Continuation of ENGL 2140.
Prerequisite: ENGL 1010.

ENGL 2250 - WOMEN IN LITERATURE (3)
This literature course will explore texts by and about women. These texts will come from various eras; they will primarily be fiction, literary nonfiction, and poetry, but other genres may be included as well.

ENGL 2310 - AMERICAN LITERATURE I (3)
A study of the literature of the early American settlers, of wilderness trials, of the Indian wars, and secret diaries. The course also covers the American Age of Reason and the Revolutionary War including Thomas Paine, Benjamin Franklin, and Thomas Jefferson. It concludes with the American Romantic Era with Thoreau's "Walden Pond", the philosophical essays of Emerson, the stories of Hawthorne, Melville and Poe and the poetry of Whitman and Dickinson.

ENGL 2320 - AMERICAN LITERATURE II (3)
Beginning with the works of Mark Twain, the literature of this course covers the influence of Darwinism, America's shifting from a nation of farmers to a nation of factory workers, the disillusionment after WWI, the frantic values of the Roaring Twenties, the intellectual struggles of the Great Depression, and the efforts to define a modern literature.

ENGL 2340 - NATIVE AMERICAN LITERATURE (3)
A study of the literatures of American Indian peoples, including legends from the oral traditions, songs, poetry, stories, and novels. A selection of literature from various times will be read, ranging from early legends to modern novels written by such Native American writers as Momaday, Silko, Welch and Erdrich.

ENGL 2370 - WESTERN AMERICAN LITERATURE (3)
This course introduces the best of Western literature. The works chosen for study depict the western experiences from a variety of perspectives. Students will consider each work's literary merit, historical reliability and Western themes. Students will discuss the role Western literature has played in creating stereotypes about the West and how those stereotypes have affected the development of American literature and culture.

ENGL 2390 - LITERATURE OF WYOMING (3)
This course proceeds from the premise that examining texts about and from a place, in this case the state of Wyoming, can yield valuable insights to learners and forms a compelling basis for literary study. This course examines literary texts and films that feature Wyoming as subject, and/or texts written by writers from or living in Wyoming. The course seeks to examine ways in which the following themes or ideas are presented: the myth and the mythic, common traits, boom and bust cycles, new and old west, archetypes, regionalism, and revisionism in books and movies.
Prerequisite: Take ENGL 1010.
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**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 - ENTOMOLOGY**
**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 1010, may be taken concurrently. 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 1080 - SOLID MODELING II (3)**
This course will provide further study into solid modeling concepts, focusing on the construction of virtual parts. Many of the skills learned in Solid Modeling I will be further developed using advanced techniques. The course will be taught as a combination of both lectures to introduce a concept and labs to allow the application and practice of the concepts. Familiarity with dimensions, drafting, and working drawings is recommended
Prerequisite: ES 1070 or Instructor Permission.

**ES 2110 - STATICS (4)**
A course in the problems and vector analysis of forces on particles and rigid bodies in equilibrium. Topics included are forces, movements couples, centroids, moments of inertia, distribution forces and friction.
Prerequisite: Take MATH 2205 (may be taken concurrently), PHYS 1310, or Instructor Permission. Corequisite: ES 2111.

**ES 2111 - STATICS LAB (0)**
Corequisite: ES 2110.

**ES 2120 - DYNAMICS (4)**
Vector dynamics of particles and rigid bodies, including rectilinear and curvilinear motion, Newton's laws of motion, impulse-momentum, and work-energy methods.
Prerequisite: ES 2110, PHYS 1310, MATH 2205 or Instructor Permission. Corequisite: ES 2121.

**ES 2121 - DYNAMICS LAB (0)**
Corequisite: ES 2120.

**ES 2211 - ELECTRIC CIRCUIT THEORY (4)**
This course will begin the study of linear circuit analysis, including resistor, capacitor, and inductor elements in circuits with both constant voltage and current sources, as well as sinusoidal sources. The student will study several techniques for circuit analysis and the descriptions of power and energy in electrical circuits.
Prerequisite: MATH 2205, may be taken concurrently. Corequisite: MATH 2205.

**ES 2220 - 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 drafter 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, autocad, 3D, screen and tablet menus, slides and icon menus.
Prerequisite: ES 2230.

**ES 2410 - MECHANICS OF MATERIALS I (3)**
Analysis and design of deformable bodies subjected to loads, including energy methods.
Prerequisite: ES 2110 or Instructor Permission.

**FIN - FINANCE**

**FIN 1000 - PERSONAL FINANCE (3)**
This course addresses the fundamentals of personal financial planning. Topics will include personal budgeting, retirement planning, investment strategies, personal financial assessment, insurance, tax planning and estate planning.
FIN 2100 - MANAGERIAL FINANCE (3)
This course deals with management of capital in a business firm. It treats policies and actions relating to asset structure, risk, income and cash flows. Operating and financial analysis is introduced.
Prerequisite: ACCT 2010 and STAT 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.

GEOL - GEOLOGY
GEOL 1026 - GEOLOGY OF SOUTHWEST WYOMING (3)
This course is designed for students interested in gaining an understanding of the geologic history of Southwestern 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. 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.
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 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.

GEOL 2150 - GEOMORPHOLOGY (4)
This course is a broad survey of landforms and the processes that modify them, encompassing space and time scales ranging from the instantaneous motion of sand in rivers during floods to the uplift of mountain ranges over millions of years. Studied in depth are the processes, effects, and results of streams, rivers, landslides, weathering, glaciers, deserts, shorelines, oceans, and volcanism. Students will develop critical thinking abilities and problem solving skills in weekly labs.
Prerequisite: GEOL 1100 or Instructor Permission. Corequisite: GEOL 2151.

GEOL 2151 - GEOMORPHOLOGY LAB (0)
Corequisite: GEOL 2150.

GERM - GERMAN
GERM 1010 - FIRST YEAR GERMAN I (4)
This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. NOTE: A student who has successfully completed two or more years of high school German with a "B" or better should not enroll in this beginning class.

GERM 1020 - FIRST YEAR GERMAN II (4)
This course continues the study of the fundamentals of grammar, composition, conversation and reading introduced on First Year German I.
Prerequisite: GERM 1010 or Instructor Permission.

G&R - GEOGRAPHY & RECREATION
G&R 1000 - INTRODUCTION TO GEOGRAPHY (3)
An introduction to fundamental geographical concepts. Topics surveyed include the earth's physical processes, selected examples of differing cultural attitudes and perceptions of the environment, and the distribution, production and utilization of renewable and non-renewable resources.
G&R 1050 - INTRODUCTION TO NATURAL RESOURCES (3)
An introduction to man's role in environmental quality; provides a foundation for understanding environmental impact, the functioning of natural systems, the cycling of life's essential elements and the role of society and the individual in environmental management. An interdisciplinary course.

HIST - HISTORY

HIST 1110 - WESTERN CIVILIZATION I (3)
A survey of ideas and institutions of European civilization, from earliest times to about 1660. Topics include ancient Athens, Christian beginnings, medieval feudalism, Italian Renaissance and the religious Reformation. Can be used to fulfill Humanities requirement.

HIST 1120 - WESTERN CIVILIZATION II (3)
A survey of ideas and institutions of European civilization, from about 1660 to the present. Topics include the Baroque, Enlightenment, Revolutions (American, French, Industrial) and Contemporary civilizations. Can be used to fulfill Humanities requirement.

HIST 1211 - US HISTORY I: TO 1865 (3)
This course is a survey of United States history through 1865, with an emphasis on ideas and the development of institutions, and the role minorities and women played in the development of American society. Instruction in the provisions and principles of the United States and Wyoming Constitutions will also be provided. United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming) will be the focus of this course.
Prerequisite: COMPASS Reading Score of 74 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1221 - US HISTORY II: FROM 1865 (3)
This course will focus on United States history, culture, diversity, government, and Constitution (both U.S. and Wyoming). Instruction will be provided in the provisions and principles of the United States and Wyoming Constitutions. United States history from 1865 to the present will be surveyed, with emphasis on ideas and the development of institutions and the role minorities and women played in the development of American society.
Prerequisite: COMPASS Reading Score of 74 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1251 - WYOMING HISTORY (3)
This course is a survey of Wyoming history with an emphasis on ideas and the development of institutions, and the role minorities and women played in the development of the state. Instruction will be provided on the provisions and principles of the United States and Wyoming Constitutions. Focus will be on Wyoming history, culture, diversity, government, and Constitution (both U.S. and Wyoming).
Prerequisite: COMPASS Reading Score of 74 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

HIST 1290 - HISTORY OF THE US WEST (3)
This course deals with the West in general with emphasis placed on the trans-Mississippi west. Particular attention will be paid to comparative frontiers, the influence of the frontier on the development of the American character, and to the post-frontier West.

HIST 1340 - SWEETWATER COUNTY HISTORY (2)
This course is designed to acquaint the student with the history of Sweetwater County using historic photographs, literature and oral interviews. The student will gain an understanding about this area's cultural diversity and development.

HIST 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 2050 - INTRODUCTION TO PUBLIC HISTORY (3)
This course introduces the student to the non-teaching, professional uses of history. Topics for consideration include archival work, museum management, public information and publication, 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)
This course is a survey of the destruction of European Jewry, 1933-1945.

HIST 2290 - HISTORY OF AMERICAN INDIANS (3)
The course is a survey of Native Americans in North America and their responses to the North American environment, European settlement, and later to American expansion. The purposes of the course is to acquaint the student with the native American world view and the dynamics of cultural contact. The student will come away with a better understanding of the cultural transformations native Americans have experienced and their impact on the literature and policy of the United States.
HIST 2310 - AMERICAN WOMEN’S HISTORY (3)
This lecture course is a survey class that discusses the historical contributions women have made in the development of the United States from the Paleo-Indian times to the present. In this course we will show the active roles women played in shaping the nation. Women's political, social, economic and intellectual contributions will be charted from the arrival of native Americans to the present. The course will also provide the student with a clear understanding of how women shaped America as active participants in the development of the United States.

HIST 2389 - HISTORY OF WOMEN IN THE AMERICAN WEST (3)
This course surveys the roots of society’s marginal historical depiction of women in the American West from the colonial period through the twentieth century. From the perspective of race, class, ethnicity, and gender, the course focuses on the development of a multi-dimensional understanding of women’s roles using an interdisciplinary approach.

HLED - HEALTH EDUCATION

HLED 1003 - WELLNESS (3)
"Wellness" does not simply mean the absence of disease. It is a term that defines the total person. This course will explore the mental, emotional, and physical health of the individual. This is a self-learning course that includes evaluating thoughts, feelings and attitudes as well as the physical health and well-being of each student. Students will learn various techniques in relaxation and stress management, strategies for disease prevention, current information on AIDS and AIDS prevention, and many useful tools for achieving optimal health and well-being.

HLED 1225 - FIRST AID AND CPR (2)
This course is designed to help train people in current first aid and cardiopulmonary resuscitation procedures. Issues of accident prevention, legal considerations, recognizing emergencies and victim assessment will provide the student with the necessary knowledge and skills to meet the demands of a real life emergency situation that maybe life threatening. Students will have the option of obtaining adult cardiopulmonary resuscitation and first aid certification.

HLTK - HEALTH SCIENCE GENERAL

HLTK 1200 - MEDICAL TERMINOLOGY (2)
In this course the student will familiarize himself with basic objectives to learn to divide medical words into component parts; learn basic combining forms; prefixes and suffixes of the medical language; and use these combining forms, prefixes and suffixes to build medical words.

HLTK 1501 - ADV CARDIAC LIFE SUPPORT PROVIDER CORE (0.5)
The ACLS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a patient, either in or out of a hospital setting. Students will practice essential skills both individually and as part of a team. An American Heart Association ACLS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1501 and HLTK 1502.
Prerequisite: Instructor Permission.

HLTK 1502 - ADV CARDIAC LIFE SUPPORT PROVIDER (1)
The ACLS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a patient, either in or out of a hospital setting. In addition to intense instruction of ECG Rhythms and ACLS pharmacology, students will practice essential skills both individually and as a team. An American Heart Association ACLS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1501 and HLTK 1502.
Prerequisite: Instructor Permission.

HLTK 1503 - PEDIATRIC ADV CARDIAC LIFE SUPPORT CORE (0.5)
The PALS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a Pediatric patient, either in or out of a hospital setting. Students will practice essential skills both individually and as a 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 a 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 - PHTLS: PRE-HOSPITAL TRAUMA LIFE SUPPORT (1)
The Pre-Hospital Trauma Life Support Course combines both basic and advanced trauma skills and concepts and is open to all pre-hospital health care providers (first responders, fire, police, search and rescue, EMTs, paramedics, nurses, physicians, and physician assistants) who will be involved in treating a trauma or multi-symptom patient. Some approaches taught will vary from traditional treatment modalities. Upon successful completion of the course, students will receive a PHTLS Card from the National Association of EMT’s. A PHTLS Card will be issued to student who successfully complete the course with a B or better.

HLTK 1530 - INTRODUCTION TO PROBLEM BASED LEARNING (3)
This course gives the student the opportunity to learn using Problem Based Learning methodology. Students will develop skills in group learning, independent research, application of critical thinking skills, and self-evaluation.
HLTK 1650 - ADVANCED CPR/AED FOR PROFESSIONALS (1)

This course builds upon the current Lay-Rescuer CPR certification, which includes Adult, Child and Infant. This course prepares you to fulfill the role as a professional rescuer. This Advanced CPR course is required for ALL Professional Rescuers AND Health Care Providers. Adult, Child and Infant skills will be reviewed and practiced. This course includes 2-man training, mask practice and the proper use of the BVM (Bag Valve Mask). The student will be able to pass ALL skills taught in the course in addition to a written exam. A CPR for the Professional Rescuer Certification Card will be issued upon successful completion of requirements according to the American Red Cross. A BLS-for Health Care Providers Card will be issued upon successful completion of requirements according to the American Heart Association. This course includes AED (Automated External Defibrillation) training and certification.

HLTK 1655 - INT TO ELECTROCARDIOGRAPHY (ECG) INTRPT (2)

This basic course is designed as an introduction to basic electrocardiography interpretations. To prepare providers, a competency based educational program of didactic and practical instruction in basic ECG interpretation was developed. This course prepares the student to recognize cardiac arrhythmias, and allows the student to begin to differentiate and interpret cardiac rhythms generated from various locations in the heart.

Prerequisite: Must be a practicing nurse, nurse student, EMT or Instructor Permission.

HLTK 1670 - BASIC EMERGENCY CARE (3)

This is an introductory course in emergency response. It is for individuals who are likely, in the course of their normal duties, to be the first individual on scene of an emergency. It is also for individuals who work with the fire department, ambulance, search and rescue or other public service which provides basic emergency medical care. The course will cover what should be done until the ambulance unit arrives and will include CPR, an overview of EMS Systems, basic airway management, patient assessment, circulation and automatic defibrillation, illness and injury assessment and treatment, child birth and scene operations.

HLTK 1690 - EMERGENCY MEDICAL TECHNICIAN (6)

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.

HMDV - HUMAN DEVELOPMENT

HMDV 0550 - U.S. CULTURE/COMMUNICATION (2)

This course serves as a bridge for students from the open-ended English Language classes, or international students just entering the US, to become acquainted with American college classes. International students will have the opportunity to learn from non-native English students that live here and discuss the challenges and rewards of living and learning in the US. Students will be required to speak only in English, and to continue to develop the communication skills of reading, writing, speaking, and listening that will aid in student success in academic college classes.

HMDV 1000 - COLLEGE STUDIES (2)

Students will learn methods to support their education and other areas of their life through the application of core life and academic skills to various content areas.

HMDV 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.

HMDV 1025 - INTRO TO ONLINE LEARNING (1)

This course will provide beginning instruction and hands-on practical experiences to accomplish an introductory review of online learning and the terminology involved. Students will practice using Internet browsers, e-mail, and file management; downloading programs and using all tools within the WWCC course Management System. Students will complete and submit assignments and tests online. Students will participate in a group discussion, know where to go for help, understand how to use blackboard and how to succeed online.

HMDV 1100 - SPEED READING (1)

Students learn to increase their pace of reading without sacrificing understanding. This course is designed for those students who already have good comprehension and vocabulary skills.

HMDV 1110 - COLLEGE VOCABULARY (1)

This course is recommended for students who have good reading skills and want to expand their knowledge of words.

HMDV 1270 - STRESS MANAGEMENT & REDUCTION (1)

The one credit class is designed to help students identify what stress is and how it impacts them emotionally and physically. Students will learn and utilize various relaxation skills as a means of effectively managing and/or reducing the negative impact of stress.

HMDV 1280 - EXPLORATIONS IN PERSONALITY (1)

This course offers students the ability to understand and explore personality differences by combining several methods of learning in a relaxed environment. Students will develop an understanding of their own personality and learn how to identify possible areas for personality growth within their life.
HMDV 1502 - ENGLISH AS A SECOND LANGUAGE (3)
This course emphasizes writing practice. One part of this course focuses on writing improvement through daily assignments, the development of the paragraph and essay, and the study of grammar. Students will also develop writing skills through listening to, sharing, and commenting on fellow students' paragraphs and essay(s) by the peer exchange or workshop method. The structure of the formal essay will be introduced. However, discussion, role play, viewing or reading media sources, field trip (for a descriptive paragraph), pronunciation, and other activities will also be used in order to use the full range of English skills.

HMDV 1503 - NON-NATIVE CONVERSATION (3)
This course is designed to provide non-native students with the opportunity to practice speaking and listening skills, and to develop fluency in English. Students who need to improve basic communication and practice speaking the English language will benefit from this course. Every activity in this course emphasizes listening and speaking English. Students are also prepared for the expectations of college courses.

HMDV 1515 - CAREER DEVELOPMENT (2)
This course is designed to help students navigate the career decision making process. Through the use of assessments, self-evaluation and discussions, students will explore their career interests and chart a career path for the future.

HMDV 2410 - ASSESSMENT PORTFOLIO (1)
This course will provide students with the opportunity to prepare a comprehensive portfolio which may help them transfer to another college or gain employment. In this course students will gather documentation of their abilities to demonstrate the WWCC Goals for Student Success.
Prerequisite: Completion of 45 credit hours towards graduation.

HMDV 2411 - ASSESSMENT REQUIREMENT (0)
This course indicates with a Satisfactory grade that the student has completed the WWCC Assessment Requirement. The assessment is completed as a part of an Academic Portfolio/Capstone course.

HMDV 2475 - INTERNSHIP: TUTOR TRAINING (1)
This course introduces students to the issues, methodology and practice of tutoring adult learners. This course is required for employment as a tutor and is recommended for students in Education or Special Education.
Prerequisite: Instructor Permission. Contact the Peer Tutor Center.

HOEC 1140 - NUTRITION (3)
This course explores the relationship of food and nutrition in health maintenance and disease prevention. Topics include the basic nutrients, fitness and exercise needs, energy balance and weight control, dietary analysis, and personal application of nutrition concepts learned in the course.

HUMN - HUMANITIES

HUMN 1010 - INTRO TO HUMANITIES (3)
This Honors Colloquium is organized with a humanities focus but with a contemporary vision. The goal of the class is to model the intellectual life, not through reading and study only, but through participation in intellectual activities whenever they arise. The content will vary depending on community, state and world events. The class will attempt to make students aware that events around them are not isolated from their education, but are content and cause for dialogue. The class will be able to participate in a wide variety of intellectual opportunities: the symphony, plays, opera, ballet productions, art gallery shows, distinguished lecturers in humanities, science, politics, etc.
Prerequisite: Admission to the Honors Program.

HUMN 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 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 explore the humanities, not 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.

IMGT - INFORMATION MANAGEMENT

IMGT 2400 - INTRODUCTION TO INFORMATION MANAGEMENT (3)
This is a rigorous course focused on the role of information systems in the management of organizations. The primary focus will be on making businesses more competitive and efficient. Specific topics include organizational and technical foundations of information systems and building and managing systems.
Prerequisite: COSC 1200 (or minimum score of 85% on the COSC 1200 Test-Out exam) or CMAP 1750 or Instructor Permission.

INDM - INDUSTRIAL MAINTENANCE

INDM 1510 - INDUSTRIAL MECHANICS I (3)
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)
This course will cover basic and advanced rigging; conveyor components of bucket, screw and flat belt conveyors; rolling and sliding bearings; terminology, types, fits and removal and installation of bearings; and characteristics of oil, grease and synthetic lubricants.

INDM 1524 - LUBRICATION PRINCIPLES & 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)
Topics of study include installation and maintenance of v-belt drives, timing and flat belt drives, roller and silent chains, reciprocating, rotary screw and sliding vane air compressors, liquid ring and dynamic compressors, boiler maintenance and heat exchangers.

INDM 1541 - MECHANICAL DRIVES (1)
The students will develop skills in the installation and maintenance of v-belt drives, timing belts (positive drive belts), and flat belts used in power transmissions in local industry; the installation and maintenance of chain drives, both roller and silent chains, as well as gears and gear drives will be covered.

INDM 1542 - INDUSTRIAL PUMPS (1)
This course will cover Centrifugal and positive displacement pumps, such as piston, internal gear, external gear, vane, and rotary pumps; this course will cover the operation, repair and troubleshooting of most of the pumps used in local industry. The course will also cover packing and mechanical seals used in these pumps.

INDM 1550 - INDUSTRIAL MECHANICS V (3)
This course will cover centrifugal and positive displacement pumps, and troubleshooting and repair of end suction and split housing pumps used in all types of process industries. This course will also cover the sealing devices used to seal different types of pumps including packing and mechanical sealing devices. This course also covers piping and valves used in industry.

INDM 1556 - VIBRATION ANALYSIS FOR INDUSTRY (1)
This course will introduce the student to basic machinery vibration, measurement, and analysis.

INDM 1560 - PREVENTIVE MAINTENANCE (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 1566 - VIBRATION ANALYSIS FOR INDUSTRY (1)

INDM 1567 - PRECISION MAINT BEST PRACTICES (0.5-3)
This course will cover the major areas related to current Best Practices/Precision Maintenance (BPM) in industrial maintenance. Topics may include measuring, principles of mechanical power transmission, mechanical fasteners, bearings, lubrication and oil analysis, belt drives, chain drives, gears, couplings, and vibration measurement.

INDM 1570 - 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, oneiston 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.
INSM 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: INSM 1580.

INSM 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.

INSM 1595 - SPECIAL TOPICS IN IND MAINT: (0.5-3)
This variable credit course will provide an introduction to a variety of Industrial Maintenance areas. Specific subject matter will vary each semester, and may include topics such as rigging, thermography, oil analysis, or pneumatics.

ITEC - INSTRUCTIONAL TECHNOLOGY
ITEC 2360 - TEACHING WITH TECHNOLOGY (3)
Introduction to effective utilization of computers for instruction; software/hardware selection; presentation software; integrated applications; databases; spreadsheets; word processing as applied to all areas of education.
Prerequisite: EDCI 1000, or other introductory education course or Instructor Permission. Experience with computers recommended.

ITEC 2365 - TECHNOLOGY TOOLS FOR THE CLASSROOM (2)
In this hands-on course, students will explore a variety of technology tools for use in the P-16 classroom. The course will provide opportunities for students to apply new skills to their educational setting, and reflect upon integrating technology to engage all learners. Note: This course does not fulfill the WWCC computer requirement or transfer requirement for education majors completing a bachelor's degree at a university fulfilled by ITEC 2360.

LIBS - LIBRARY SCIENCE
LIBS 2280 - LITERATURE FOR CHILDREN (3)
A survey course, the purpose of which is to prepare prospective elementary teachers and library-media generalists to provide knowledgeable service in the use of print and nonprint materials in the area of literature for children. This course includes study of evaluative criteria, wide reading, viewing and listening as well as discussion of literature for children in various formats.
Prerequisite: ENGL 1010.

MATH - MATHEMATICS
MATH 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: Instructor Permission.

MATH 0720 - ALGEBRA SKILLS I (2)
Introduction to elementary algebra with applications. Topics include operations with real numbers, operations involving algebraic expressions, solving linear equations, graphing linear equations and writing equations of lines. This course is designed for students who are not confident in their algebra skills or whose Compass math test places them at this level. The purpose of this course 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 the student to enter courses for which MATH 0920 is a prerequisite.
Prerequisite: MATH (DVST) 0900; or MATH (BAS) 0750; or appropriate Math Placement score 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 (BAS) 0710 (B or better) 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 (BAS) 0740 (B or better) 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 the student to enter courses for which MATH 0920 is a prerequisite.
Prerequisite: MATH (BAS) 0720 (B or better) and Instructor Permission.

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 (BAS) 0760 (B or better) 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 (BAS) 0770 (B or better) 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.

MATH 0920 - BEGINNING ALGEBRA (4)
Introduction to elementary algebra with applications. Topics include operations with real numbers, operations involving algebraic expressions, factoring, exponents, polynomials, solving linear equations and graphs.
Prerequisite: MATH (DVST) 0900 (C or better); or MATH (BAS) 0710 (B or better) and MATH (BAS) 0740 (B or better) and MATH (BAS) 0750 (B or better); or appropriate Math Placement Test score.

MATH 0930 - INTERMEDIATE ALGEBRA (4)
Techniques of algebra with applications. Builds upon the concepts and skills developed in MATH 0920. Topics include an introduction to functions and relations, solving quadratic equations, rational expressions and equations, radical expressions and equations, solving inequalities, and graphing.
Prerequisite: MATH 0920 (C or better); or MATH (BAS) 0720 (B or better) and MATH (BAS) 0760 (B or better); or appropriate Math Placement Test score, or Math ACT score of 21 or higher.

MATH 1000 - PROBLEM SOLVING (3)
The course focuses on the methods, processes and strategies one uses to analyze, understand and solve mathematical problems. It aims to develop skills in sorting, organizing and assimilating information. The problems are of a variety of types and may include problems involving puzzles or patterns, word problems, algebra problems, counting and probability problems, problems dealing with geometry, and other mathematical problems. The use of the hand calculator is an essential part of the course. This course is not designed to prepare students for precalculus or for calculus.
Prerequisite: MATH 0920 (C or better); or MATH (BAS) 0720 (B or better) and MATH (BAS) 0760 (B or better); or TECH 1000 (C or better); or appropriate Math Placement Test score; or ACT Math score of 21 or higher.

MATH 1100 - NUMBER & OPERATIONS ELEM SCHOOL 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 0930 (C or better); or MATH (BAS) 0770 (B or better) and MATH 0780 (B or better); or appropriate Math Placement Test score, or Math ACT of 23 or higher. 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 - PRECALCULUS ALGEBRA (4)
Emphasizes algebra topics which are important in preparation for the study of calculus, especially functions and their graphs. Topics include polynomial functions, exponential and logarithmic functions and equations, inequalities, and systems of equations. A graphing calculator may be required in some sections.
Prerequisite: MATH 0930 (C or better); or MATH (BAS) 0770 (B or better) and MATH 0780 (B or better); or appropriate Math Placement score; or Math ACT of 23 or higher.
MATH 1405 - PRECALCULUS TRIGONOMETRY (3)
Emphasizes trigonometry and other topics important in preparation for the study of calculus. Topics include angles, right triangle trigonometry, trigonometric functions and their graphs, trigonometric equations, trigonometric representation of complex numbers, and applications. Other topics may be included, as time permits.
Prerequisite: MATH 1400 (C or better) or Math ACT of 25 or higher, or appropriate Math Placement score.

MATH 2120 - GEOMETRY & MEASUREMENT ELEM SCH TCHR S (3)
This course is a continuation of MATH 1105 for prospective elementary teachers. Emphasis is asking and answering critical questions about spatial reasoning as evident in the real world. Includes investigations of two- and three-dimensional shapes and their properties, measurements, constructions, and transformations to prepare students to be competent in teaching these concepts.
Prerequisite: MATH 1105 (C or better). Corequisite: EDEL 2410.

MATH 2200 - CALCULUS I (5)
An introduction to calculus with analytical geometry. Topics include limits, continuity, derivatives and some applications of the integral.
Prerequisite: MATH 1405 (C or better) or Math ACT of 27 or higher, or Math Placement Exam.

MATH 2205 - CALCULUS II (5)
Topics include differentiation of transcendental functions, techniques of integration, indeterminate forms, improper integrals, and infinite series.
Prerequisite: MATH 2200 (C or better).

MATH 2210 - CALCULUS III (5)
Topics to include space and solid analytical geometry, vectors, differential calculus of functions of several variables and multiple integration with applications.
Prerequisite: MATH 2205 (C or better).

MATH 2250 - ELEMENTARY LINEAR ALGEBRA (4)
Topics include linear equations and matrices, vector spaces, linear transformations, determinants, orthogonality, eigenvalues and eigenvectors.
Prerequisite: MATH 2205 (C or better) or Instructor Permission.

MATH 2310 - APPLIED DIFFERENTIAL EQUATIONS (3)
Topics include methods of solution of ordinary differential equations with emphasis on applications. Transforms and applications are also included.
Prerequisite: MATH 2205 (C or better).

MATH 2350 - BUSINESS CALCULUS I (4)
Units of study include a review of functions, their graphs and their algebra; limits and continuity; derivatives and their applications, techniques of differentiation; and the calculus for the exponential and logarithmic functions with applications to business.
Prerequisite: MATH 1400 (C or better) or equivalent, or Math ACT of 26 or higher.

MATH 2355 - BUSINESS CALCULUS II (4)
Units of study include integrations and applications; techniques of integration; differential equations and applications; functions of several variables, partial derivatives, optimization; Lagrange multipliers; least squares, random variables, discrete and continuous distributions; linear systems and their solutions.
Prerequisite: MATH 2350 (C or better).

MCH - MACHINE TOOL TECHNOLOGY

MCH 2740 - MACHINE TOOL PROCESSES I (4)
This class is offered as an evening class primarily for employed industrial maintenance mechanics who wish to expand their capabilities as machinists. It covers fundamental lathe operations and special topics to meet the job needs.

MCH 2750 - MACHINE TOOL PROCESSES II (4)
This class is a continuation of MCH 2740 and is also offered as an evening class primarily for employed industrial maintenance mechanics who wish to expand their capabilities as machinists. It covers milling machine, shaper and surface grinder operation.
Prerequisite: 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.

MGT - MANAGEMENT

MGT 1000 - INTRODUCTION TO SUPERVISION (3)
This course will furnish the student with a knowledge of employer-employee relations from the standpoint of both the employee and the supervisor. Current practices of this type of human relations are studied and discussed in recognition of their importance to worker morale and productivity.

MGT 1040 - LEGAL ENVIRONMENT OF BUSINESS (3)
This is an introductory course that provides a broad overview of business-related legal topics including the U.S. court systems, alternative dispute resolution, constitutional law, tort and criminal law, intellectual property law, contract law, and business forms.

MGT 1200 - HUMAN RESOURCE MANAGEMENT (3)
This course is designed to explore issues related to organizing and staffing the work force and to employee relations. Major areas of focus will be human behavior, human resource planning, job analysis and design, training and development, compensation and benefits, employee relations, and legal issues.
MGT 2020 - FUNDAMENTALS OF LEADERSHIP I (2)
Leadership is the ability to influence a group of people toward a goal. In this course students will increase their own leadership capacities through knowledge of themselves and others and practice of leadership techniques. Students will review literature, take practical leadership inventories, class discussion, and hands-on exercises.
Prerequisite: Student Leader in ASG, RA's, Club Leaders. Others with Instructor Permission.

MGT 2100 - PRINCIPLES OF MANAGEMENT (3)
This course is an introduction to the theory and practice of management in its application to the public and private sectors. The basic idea of the course is to stimulate an awareness of management, management functions, and management in utilizing and coordinating human and physical resources. Scientific and quantitative techniques are emphasized in the decision making and the solving of decision problems involving alternatives.
Prerequisite: Take ENGL 1010.

MGT 2120 - FUNDAMENTALS OF LEADERSHIP II (2)
Leadership is the ability to influence a group of people toward a goal. In this course students will build upon leadership skills learned in Fundamentals of Leadership I, and will take a leadership role in facilitating exercises in the class. Students will review literature, take practical leadership inventories, participate in-class discussion, and hands-on exercises. Each student will develop an individual service leadership project.
Prerequisite: MGT 2020, Student Leader in ASG, PTK, RA, and Clubs. Others with Instructor Permission.

MINE - MINING TECHNOLOGY
MINE 1500 - INTRODUCTION TO MINING (3)
This course introduces the student or prospective underground and surface miner to general orientation to mining, safety and operator rights and responsibilities. State and federal laws, first aid, mine gases, fire prevention, ventilation and mine mapping, roof and rib control, haulage and equipment safety and general mine safety.

MINE 1600 - UNDERGROUND MINE FRM REVIEW (3)
This is a preparatory course for the Wyoming Mine Foreman exam that is given by the Wyoming Mine Examining Board each year. All phases of underground mining that may appear on the state exam will be addressed during the course. Successful completion of this course should prepare the student for the state exam, but does not guarantee state certification as a mine foreman or examiner. Please note that three years of mining experience are required to take the Wyoming Mine Foreman Exam.

MINE 1850 - MSHA SURFACE NEW MINER (1.5)
This course provides 24 hours of the mandatory Mine Safety and Health Administration training for surface mine workers. Onsite training must be completed at an actual mine site.

MINE 1855 - MSHA SURFACE ANNUAL REFRESHER (0.5)
This refresher course is offered annually to any individual who has prior certification of completion of a Surface New Miner training program. This course provides 8 hours of mandatory MSHA (Mine Safety and Health Administration) training for surface mine workers.
Prerequisite: Non-expired 5000-23, past proof of 5000-23, or signed agreement with employer as an experienced miner.

MINE 1870 - MSHA UNDERGROUND NEW MINER (2)
This course provides 32 of the mandatory 40 hours of Mine Safety and Health Administration for underground mine instruction. The remaining 8 hours of onsite training is the student's responsibility and must be completed at an actual mine site.

MINE 1875 - MSHA UNDERGROUND ANNUAL REFRESHER (0.5)
This refresher course is offered annually to any individual who has prior certification of completion of an Underground New Miner training program. This course provides 8 hours of mandatory MSHA (Mine Safety and Health Administration) training for underground mine workers.
Prerequisite: Non-expired 5000-23, past proof of 5000-23, or signed agreement with employer as an experienced miner.

MKT - MARKETING
MKT 1000 - SALES (3)
This is an introductory course in the field of professional selling. Students will study the different factors necessary for successful selling. Topics covered will include consumer buying incentives and motives, sales psychology, preparing oneself to sell, customer approach and sales techniques. Practical application of the sales skills will be done through sale demonstration. This course will be offered every other year.

MKT 1100 - RETAILING (3)
This introductory course in the area of retail store operation will survey the organization and functions of a retail business and the changes taking place in modern retailing. Topics covered include organization procedures, store location and lay-out, merchandising functions and policies, buying practices and policies, inventory control, pricing strategies and policies, law and regulations important in the field of retailing, franchising, and personnel functions. This course will be offered every other year.

MKT 1300 - ADVERTISING (3)
This course provides the student with general information concerning advertising and its role in business. Topics covered in this course will include the purposes of advertising, the different types of advertising and media, how advertisements are planned, prepared and delivered in the media, and how the effectiveness of advertising is measured and evaluated.

MKT 1400 - CUSTOMER SERVICE (2)
Providing world-class service is not simply a matter of smiling employees and saying “please” and “thank you”. It is an all-encompassing approach to making excellence a priority in everything the business does. This course will provide an overview of customer service topics and strategies. Students will get the opportunity to analyze and practice techniques.
MKT 2100 - MARKETING (3)
This course is an introduction to the marketing discipline. Emphasis is given to vocabulary, principles, and marketing strategies as each relates to products, pricing, distribution and promotion. Also included is a study of the practices and problems in national and international environments.

MOA - MEDICAL OFFICE ASSISTANT
MOA 1500 - MEDICAL OFFICE PROCEDURES (3)
A one-semester course introducing the student to the responsibilities and clinical procedures in the doctor's office. Includes preparing the patient for examination, obtaining vital signs, taking medical histories, assisting with examinations and treatment, performing routine office laboratory procedures and electrocardiograms, sterilizing instruments and equipment for office procedures and instructing patients in preparation for x-ray and laboratory examinations and becoming involved in purchasing and maintaining supplies and equipment.

MOLB - MOLECULAR BIOLOGY
MOLB 2210 - GENERAL MICROBIOLOGY (4)
A study of the structure, classification, physiology and distribution of micro-organisms, with emphasis on their technological and medical significance. Organisms studied include protozoa, algae, fungi, bacteria, rickettsia and viruses.
Prerequisite: Take BIOL 1010. Corequisite: MOLB 2211.
MOLB 2211 - GENERAL MICROBIOLOGY LAB (0)
Corequisite: MOLB 2210.

MUSC - MUSIC
MUSC 0200 - CONVOCATION (0)
Convocation is a listening and performing laboratory for music majors. Applied student soloists and department ensembles may perform. Besides biweekly convocations, attendance at five additional approved concerts is required. Music majors enrolled in applied lessons must also enroll in convocation.

MUSC 1000 - INTRO TO MUSIC (3)
This course is planned for the student who has little or no background 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.

MUSC 1035 - AURAL THEORY I (1)
The study of sight singing, ear training, keyboard harmony and diatonic harmony.
Corequisite: MUSC 1030.

MUSC 1040 - WRITTEN THEORY II (3)
Designed for the student interested in pursuing a major in music, this course uses an integrated approach toward the fundamentals of music and of written harmony.
Corequisite: MUSC 1045 & MUSC 1291.

MUSC 1045 - AURAL THEORY II (1)
The study of sight singing, ear training, keyboard harmony and diatonic harmony
Corequisite: MUSC 1040.

MUSC 1150 - GUITAR I (1)
A study of basic fundamentals and application of guitar technique.

MUSC 1290 - CLASS PIANO I (1)
This course is designed to teach the beginning piano student the following musical skills: technique, reading in many styles and keys, keyboard theory, harmonization, transposition, improvisation, ensemble playing, and composition.

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.

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 keyboard skills. The course material is coordinated with the written theory skills for each of the four semesters of under-graduate theory study. Students work in piano lab two hours per week with the instructor for a total of 30 contact hours per week
Prerequisite: MUSC 1291. Corequisite: MUSC 2030.

MUSC 1296 - CLASS PIANO IV (1)
Class piano is a four-semester course designed for the non-pianist as well as the person with some piano skills to provide a working understanding and a functional approach to basic keyboard skills. The course material is coordinated with the written theory skills for each of the four semesters of under-graduate theory study. Students work in piano lab two hours per week with the instructor for a total of 30 contact hours per week
Prerequisite: MUSC 1295. Corequisite: MUSC 2040.
MUSC 1375 - SYMPHONIC BAND (1)
Members of the community band will prepare, study and perform band literature from classical transcriptions to contemporary compositions. Emphasis will be directed toward correct performances of the literature which includes monitoring of student performance relative to note/tonal accuracy, rhythmic interpretation, dynamics, articulations and phrasing. Students will demonstrate knowledge of style and interpretation with performance of each music selection studied. This course may be taken four times for credit.
Prerequisite: Audition with Instructor.

MUSC 1390 - JAZZ ENSEMBLE I (1)
A select group of instrumentalists organized to provide continued music training and performance experience for its members, and to provide music for cultural and other activities on campus and within the community. May be taken four times for credit. Meets at least five hours per week.
Prerequisite: Instructor Permission.

MUSC 1400 - COLLEGIATE CHORALE (1)
A course offering applied music training and performance experience to its members, and including concert appearances before the college, the community and the area. This class may be taken four times for credit. Meets at least two hours per week.
Prerequisite: Instructor Permission.

MUSC 1430 - SYMPHONY ORCHESTRA (1)
A course offering applied music training and performance to its members. Concert appearances before the college, community, and the area will be included. This class may be taken four times for credit. Meets at least three hours each week.
Prerequisite: Instructor Permission.

MUSC 1450 - VOCAL ENSEMBLE (1)
An auditioned group of singers organized to provide music training and experience for its members, and to provide music for cultural and other activities. This class may be taken four times for credit. Meets at least three hours per week.
Prerequisite: Instructor Permission.

MUSC 1485 - INSTRUMENTAL ENSEMBLE (0.5-1)
Open to all students with instrumental proficiency wishing to participate in small instrumental ensembles. Students desiring to play in trios, quartets, or quintets are encouraged to consult with the instructor. Ensembles will be set up by the instructor depending on the instrumentation.
Prerequisite: Instructor Permission.

MUSC 1490 - PIANO ENSEMBLE (1)
A performance-oriented class that explores the ensemble piano literature from the duet and duo (two piano) repertoire. The student will work together with another student while on the keyboard.
Prerequisite: Intermediate or Advanced Piano student.

MUSC 2015 - INTRO TO THE MUSIC OF WORLD (3)
This course is an introduction to the music of the world's peoples. Students will study, hear, and research music from a wide variety of geographical areas of the world.
Prerequisite: MUSC 1000 or Instructor Permission.

MUSC 2030 - WRITTEN THEORY III (3)
A continuation of MUSC 1040 with added work in harmonic analysis and with some consideration of contrapuntal techniques.
Prerequisite: MUSC 1040. Corequisite: MUSC 2035.

MUSC 2035 - AURAL THEORY III (1)
A continuation of MUSC 1045 incorporating instruction in harmonic analysis and contrapuntal techniques.
Prerequisite: MUSC 1045. Corequisite: MUSC 2030.

MUSC 2040 - WRITTEN THEORY IV (3)
A continuation of MUSC 1040 with added work in harmonic analysis and with some consideration of contrapuntal techniques.
Prerequisite: MUSC 2030. Corequisite: MUSC 2045.

MUSC 2045 - AURAL THEORY IV (1)
A continuation of MUSC 1045 incorporating instruction in harmonic analysis and contrapuntal techniques.
Prerequisite: MUSC 2035. Corequisite: MUSC 2040.

MUSC 2050 - MUSIC HISTORY SURVEY I (3)
This course is designed as a survey of the history and literature of music in western civilization from ancient times to the present and relates epochs in music to corresponding periods in other arts. Class meets three hours each week.

MUSC 2055 - MUSIC HISTORY SURVEY II (3)
This course is designed as a survey of the history and literature of music in western civilization from ancient times to the present and relates epochs in music to corresponding periods in other arts. Class to meet three hours each week.

MUSC 2071 - APPLIED MUSIC GUITAR (1-2)
One private half-hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2073 - APPLIED MUSIC PIANO (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.

MUSC 2074 - APPLIED MUSIC VOICE (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.
Prerequisite: Instructor Permission.
MUSC 2075 - APPLIED MUSIC STRINGS (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.  
Prerequisite: Instructor Permission.

MUSC 2076 - APPLIED MUSIC BRASS (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.  
Prerequisite: Instructor Permission.

MUSC 2077 - APPLIED MUSIC WOODWINDS (1-2)
One private half hour or hour lesson per week in a specified area, with a required minimum preparation time. This class may be taken four times for credit.  
Prerequisite: Instructor Permission.

MUSC 2078 - APPLIED MUSIC PERCUSSION (1-2)
Prerequisite: Instructor Permission.

MUSC 2150 - GUITAR II (1)
This course provides instruction in more advanced guitar techniques.  
Prerequisite: MUSC 1150 or Instructor Permission.

MUSC 2330 - GUITAR III (1)
This course focuses on technical studies in chord progression types including 6th, 7th, 9th, and 13th chords. This course examines chord theory, construction, and substitutions as well as scale theory and construction including the modal system. Song construction and arranging are examined.  
Prerequisite: MUSC 2150 or Instructor Permission.

MUSC 2355 - GUITAR IV (1)
This course introduces students to more advanced melody reading, rhythm and strumming patterns, scales including harmonic and melodic minor scales, and modes. Chords built from minor scales and modes are studied. Songwriting techniques, arranging, and improvisation are explored.  
Prerequisite: MUSC 2330 or Instructor Permission.

MUSC 2410 - SOUND REINFORCEMENT I (2)
This course is the introduction to the theory, techniques, and equipment used in sound reinforcement. Skills will be developed through theory and application discussion, as well as hands-on training with professional sound equipment. Projects will include setting up and running an audio reinforcement system.  
Prerequisite: MUSC 2415.

MUSC 2420 - SOUND REINFORCEMENT II (2)
This course is an introduction to the theory, techniques, and equipment used in sound reinforcement. Skills will be developed through theory and application discussion, as well as hands-on training with professional sound equipment. Projects will include setting up and running an audio reinforcement system.  
Prerequisite: MUSC 2410.

MUSC 2425 - RECORDING ARTS II (2)
Second in a sequence of two recording arts courses, Recording Arts II introduces strategies and techniques for multi-track recording. Fundamental studio equipment is introduced, studied, and used in the context of multi-track recording. With the use of Pro Tools, the principals of recording are extended into a direct hard disk computer software environment.  
Prerequisite: MUSC 2415.

NRST - NURSING

NRST 1510 - NURSE ASSISTANT (4)
This course prepares a person to work as a Nursing Assistant. The course presents basic nursing assistant principles and skills with an emphasis on care of the elderly client. Opportunities are provided for practice and demonstration of skills in the laboratory related to client care. Students will participate in clinical experience at health care agencies. Satisfactory completion of the course entitles the student to take a competency exam to become certified in the State of Wyoming.  
Prerequisite: Health Care Provider CPR, TB Skin Test, Tdap, and MMR immunizations. Corequisite: NRST 1511.

NRST 1511 - NURSE ASSISTANT LAB (0)
Corequisite: NRST 1510.

NRST 1555 - PN NURSING I (10)
PN Nursing I students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing I students begin to apply the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive direction from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.  
Prerequisite: Admission to the Practical Nursing Program. Corequisite: NRST 1556.

NRST 1556 - PN NURSING I LAB (0)
Corequisite: NRST 1555.
NRST 1565 - PN NURSING II (10)
PN Nursing II students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing II students consistently use the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive assistance from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.
Prerequisite: NRST 1555 or NRST 1610. Corequisite: NRST 1566.

NRST 1566 - PN NURSING II LAB (0)
Corequisite: NRST 1565.

NRST 1575 - PN NURSING III (3)
PN Nursing III students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing III students consistently use the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive supervision from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.
Prerequisite: NRST 1565 or NRST 1620. Corequisite: NRST 1576.

NRST 1576 - PN NURSING III LAB (0)
Corequisite: NRST 1575.

NRST 1605 - INTRODUCTION TO NURSING (1)
This course is designed to aid students as they transition into the Nursing Program. This course will introduce students to Problem Based Learning and critical thinking skills needed for application level testing.
Prerequisite: Admission to the Nursing Program.

NRST 1610 - NURSING I (10)
Nursing I students focus on providing safe, effective nursing care to clients with common, predictable problems. Nursing I students are introduced to the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive direction from nursing faculty. Nursing theory, as well as laboratory and clinical experiences, provide the opportunity to apply the goals. Credit hours changed Fall 1997.
Prerequisite: Admission to the Nursing Program. Corequisite: NRST 1611.

NRST 1611 - NURSING I LAB (0)
Corequisite: NRST 1610.

NRST 1620 - NURSING II (9)
Nursing II students focus on providing safe, effective nursing care to clients with common, predictable problems. Nursing II students consistently use the six goals of the nursing program to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive assistance from nursing faculty. Nursing theory, as well as laboratory and clinical experiences, provide the opportunity to apply the goals. Prerequisite: Take NRST 1610. Corequisite: NRST 1621.

NRST 1621 - NURSING II LAB (0)
Corequisite: NRST 1620.

NRST 2460 - ADV FIELD WORK EXPERIENCE (1-3)
This course provides the nursing student with an opportunity to participate in clinical experiences that enhance the existing nursing curriculum. Students will participate in fieldwork experience with preceptors.
Corequisite: NRST 2630 or NRST 2640.

NRST 2630 - NURSING III (10)
Nursing III students focus on providing safe, effective nursing care to clients with complex, health problems. Nursing III students consistently use the six goals of the nursing program to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive supervision from nursing faculty. Nursing theory, as well as laboratory and clinical experiences, provide the opportunity to apply the goals. Credit hours changed Fall 1997.
Prerequisite: NRST 1610 or NRST 1620 or Admission to Nursing Program as advanced placement. Corequisite: NRST 2631.

NRST 2631 - NURSING III LAB (0)
Corequisite: NRST 2630.

NRST 2640 - NURSING IV (9)
Nursing IV students focus on providing safe, effective nursing care to clients with complex health problems. Nursing IV students competently and consistently use the six goals of the nursing program to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspective, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive guidance from nursing faculty. Nursing theory as well as clinical experiences provide the opportunity to apply the goals. Credit hours changed Fall 1997.
Prerequisite: NRST 2630. Corequisite: NRST 2641.

NRST 2641 - NURSING IV LAB (0)
Corequisite: NRST 2640.
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 concepts of experiential learning and team building. Emphasis will be placed on organizing and facilitating group activities.

OEAC 1230 - WILDERNESS FIRST AID & SURVIVAL (3)

Wilderness First Aid & Survival is an intense course designed to provide the student with the skills, knowledge, confidence, and ability to accomplish two primary tasks: provide high level of care to persons who have suffered injury and/or illness in remote locations without the assistance of qualified medical personnel, and survive a variety of emergency situations in adverse wilderness conditions.

OEAC 1300 - DRIFT BOAT FISHING (1)

This course will introduce the basic fundamentals of drift boat handling. Students will learn how to operate hard and soft bottom fishing craft in moving water. Emphasis will be placed on safe handling procedures, maneuvering in moving water and how to maneuver a drift boat for effective fishing.

OGPT OIL & GAS PRODUCTION TECH

OGPT 1501 - WELL CAP DRILLING (2.5)

This course is based on the principles and theory of well control, including drilling and workover/completion. The latest information and technologies available are used to instruct in maintaining control of the well during drilling and workover/completion operations. This course meets industry guidelines and certification is awarded upon successful completion at Introductory, Fundamental and Supervisory levels. Simulators are used to conduct hands-on training for personnel attending this course. Topics may include: Live Well Intervention Well Control, Complications, Blow Out Prevention Equipment, Killing a Producing Well, Pressure Control, Regulations, Surface / Subsurface Equipment, Kick Warning Signs, Remedial Fluids, Constant Bottomhole Pressure Methods, Stripping, Snubbing, and Coiled Tubing. This course is offered for Satisfactory/Unsatisfactory grading.

OGPT 1502 - BASIC SEPARATOR & 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.

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 (1-3)

The basic concept underlying internships is the importance of integrating classroom knowledge with practical experience. Students will apply academic and vocational skills in a work experience that will enhance their academic understanding and progress.

Prerequisite: OGPT 1530.

PEAC - PHYSICAL ACTIVITY

Activity courses may be taken two times for credit.

The following theatre and dance courses may be taken to fulfill the Health & Human Activity graduation requirement. See the Theatre & Dance section for course descriptions.

THEA 1300 Social Dance
THEA 1310 Core Conditioning
THEA 1410, THEA 1420, THEA 2410, THEA 2420 Ballet
THEA 1430, THEA 1440, THEA 2430, THEA 2440 Modern Dance
THEA 1450, THEA 2450 Tap Dance
THEA 1480, THEA 2480 Jazz Dance
**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, pullbuoys, hand paddles, and swim fins and how to get the most benefit from using them. Personal and small craft safety will be covered briefly. Major emphasis is on conditioning. Major muscle groups and theories of movement in the water are discussed and practiced in class sessions.

**PEAC 1015 - BEGINNING SKIN AND SCUBA (1)**

This course is for students with little or no knowledge of scuba diving. This course is designed to serve as an introduction to diving and the exciting, beautiful aquatic environment. Along with 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 on safety, equipment, paddling techniques and conditioning. There will be pool sessions as well as river trips.

Prerequisite: Demonstrated Swim Skills.

**PEAC 1029 - CORE BOARD TRAINING (1)**

This course uses the Reebok Core Board to train the core muscles of the body (the transverse abdominis and multifidus or back muscles). This course provides a total body workout. Students will participate in exercises that increase strength, flexibility, stability, balance and cardio endurance. Students will learn to strengthen their core muscles and improve their posture while using proper body alignment and body mechanics to perform the conditioning exercises. This course is appropriate for men and women, with all ages and fitness level. Three levels of difficulty will be demonstrated. Students MUST work at a level at which they are most comfortable.

**PEAC 1038 - STEP AEROBICS I (1)**

Step Aerobics I is a highly efficient form of cardiovascular exercise for beginning level students looking for a challenging workout. It is a form of exercise enjoyed by both men and women. This class will help students improve endurance, muscular strength, muscle tone, flexibility, and balance. Students can personalize their workout by monitoring their heart rates and adjusting the bench level.

**PEAC 1039 - STEP AEROBICS II (1)**

Step Aerobics II is a continuation of Step Aerobics I, with basic step knowledge as a requirement. Students will be expected to participate in 20-30 minutes of aerobic exercise without exceeding maximum heart rate. Therefore, all students’ fitness levels will be measured the first week. Students not physically ready will be asked to transfer to a more appropriate course. Step routines will improve muscle tone, flexibility, cardiovascular endurance, muscular strength and balance.

Prerequisite: PEAC 1038.

**PEAC 1041 - SELF DEFENSE I (1)**

This course serves as an introductory class allowing the student to experience proper warm ups, stretching and conditioning before engaging in various stages of our martial arts curriculum. Instruction shall emphasize elements such as proper body mechanics, balance, offensive and defensive drills, reactionary drills as well as heightened awareness. Physical contact will be limited to resistance training on equipment such as Boxing focus mitts, Muay Thai striking pads and rattan sticks.

**PEAC 1042 - SELF DEFENSE II (1)**

This course serves as an intermediate level class. Students will learn more advanced elements of all ranges including counter-for-counter drills, weapon disarms, and controlled sparring on various ranges. This course is taught at a faster pace to help the student achieve better physical conditioning.

Prerequisite: PEAC 1041.

**PEAC 1043 - BEGINNING KARATE (1)**

An activity course designed to improve physical fitness and to acquaint students to the theory of martial arts.

**PEAC 1050 - BEGINNING TENNIS (1)**

Introduction to the fundamental skills of tennis. Skills to be included are grips, forehand, backhand, 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 1120 - INTRODUCTION TO FREE WEIGHT TRAINING (1)**

This course is designed for individuals with no prior weight training experience. Students learn proper technique for basic free weight lifting exercises. A predetermined workout program to develop muscular strength and endurance is used for the first half of the course. New exercises will be taught and perfected throughout the semester. By the end of the course, students will have perfected form on the basic free weight lifts and be able to create a basic program to increase fitness. Emphasis is placed on safe and effective use of the free weight equipment.

**PEAC 1125 - BOSU CORE CONDITIONING (1)**

This course is designed to enhance physical fitness by using the BOSU. Emphasis is placed on developing balance, training the core muscles of the body, using proper exercise techniques, as well as the application of general fitness principles. Progressive conditioning techniques will be used to develop muscle tone and strength, balance, and stability.

**PEAC 1130 - STABILITY BALL (1)**

This course is designed to enhance physical fitness by using the stability ball. Emphasis is placed on training the core muscles of the body, using proper exercise techniques and body alignments, as well as applying general fitness principles. Progressive conditioning techniques will be used to develop muscle tone and strength, balance, and stability.

**PEAC 1253 - BEGINNING BOWLING (1)**

Introduction to the basic skills of bowling which include stance, approach, types of deliveries, bowling terminology, scoring, tournament play and acceptable bowling etiquette.
PEAC 1254 - SNOWBOARD RIDING I (1)
This course offers an introduction to the fundamental skills of snowboard riding. The emphasis will be on technique, conditioning, safety and equipment repair and tuning. The class has classroom and activity portions. Trips to ski areas will be incorporated and fees for snowboard and boot rentals and trip expenses are the responsibility of the student.

PEAC 1255 - BEGINNING GOLF (1)
An introduction to the fundamentals of golf to include grip, stance, back swing, down swing, short iron play, mid-iron play, long iron play, fairway wood play, driver play, pitching, chipping and putting play, rules, course etiquette, and course care.

PEAC 1258 - DOWNHILL SKIING I (1)
Downhill skiing with emphasis on fitness, equipment and safety. This course will have classroom and activity portions. All of the hill activities will be supervised by certified instructors. Special fee includes lift tickets, instruction, lodging and transportation. Student must provide own equipment.

PEAC 1259 - BEGINNING CROSS-COUNTRY SKIING (1)
This course offers an introduction to the fundamental skills of cross-country skiing. The emphasis will be on skiing technique, conditioning, safety and equipment. The class has classroom and activity sections. Trips to ski areas will be incorporated and fees for ski rentals and trip expenses are additional costs.

PEAC 1260 - BEGINNING VOLLEYBALL (1)
Introduction fundamentals of volleyball to include rules, serving, spiking, setting, blocking and game strategy.

PEAC 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 1264 - BEGINNING SOFTBALL (1)
Introduction to the rules and fundamental skills of softball, and application of these rules and skills in actual game situations. Basic skills to be covered include fielding, throwing, batting, baserunning, pitching and information on how to play each position.

PEAC 1273 - WEIGHT TRAINING CONDITIONING (1)
This course is designed for individuals with no prior weight training experience. Students learn proper techniques for basic weight lifting exercises. Evaluations of individual fitness levels and knowledge of weight training principles are integral components of the course. A pre-determined workout program to develop muscular strength and endurance is used for the first half of the course. By the end of the course, students will learn how to develop their own personalized weight training program. Emphasis is placed on safe and effective use of the Cybex machines and dumbbells.

PEAC 1280 - FLY FISHING I (1)
This course is designed to familiarize the student with the equipment and the fundamentals of fly fishing. The technique of fly fishing will be emphasized and practiced. Care of equipment, safety and determining fish behaviors will also be covered.

PEAC 1287 - ROCK CLIMBING I (1)
This course introduces the student to the necessary equipment, safety, and skills to be able to rock climb. Two overnight trips will provide students with opportunities to use and practice the knowledge and skills they acquire. The fundamentals of rock climbing will include knot tying, belaying, belay signals, and use of the rope as a safety line for ascending and descending rough terrain. After introduction and practice on gradual slopes, the course continues on a series of short rock faces where a variety of problems give each student a chance to climb pitches of various difficulty. All climbing is protected with an upper belay. Continuing instruction and practice is designed to acquaint each student with a variety of the special equipment associated with rock climbing and the practice using this equipment safely.

PEAC 1290 - PHYSICAL CONDITIONING: (1)
Physical Conditioning is the enhancement of physical fitness through the proper use of exercise and training. Emphasis is placed on learning appropriate exercise techniques as well as general fitness principles. Utilizing the latest equipment and techniques designed for physical enhancement, conditioning will focus on muscle tone and strength, cardiovascular endurance, balance, agility, and stability.

PEAC 1294 - BEGINNING YOGA (1)
This course enhances physical health and mental well-being through the non-competitive and introspective practice of physical poses and breathing techniques from the Yoga tradition. It is appropriate for men and women of all ages. Various fitness levels will be demonstrated.

PEAC 1295 - BEGINNING BACKPACKING (1)
This course will introduce beginners to the basics of weekend backpacking so that they can pursue future trips with more confidence. Topics will include recommendation for conditioning, food/drink, clothing, footwear, basic equipment and emergency equipment. The following skills will be discussed and practiced during the trip: selecting clothing, food and equipment, packing a pack effectively and adjusting the pack for a proper fit, basic map reading, choosing a camp site and minimizing impact on the land, and protecting food and equipment from animals. The course will involve lecture/discussion sessions followed by a weekend trip, three days/two nights, in the local mountains.

PEAC 1296 - DESERT LIVING SKILLS (1)
Desert Living Skills is an introduction to the special nature of traveling, camping and surviving in the deserts of the world. Regardless of why a person has entered the desert; be it for recreation, occupation, education or 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 showshoeing as a recreational sport with an emphasis on fitness, equipment and safety. Major topics include: clothing systems, cold weather injuries, snow shelters, avalanche awareness and safe winter travel. This course will have both classroom and outdoor activity portions. All of the activities will be supervised, transportation will be provided, and are on Saturdays.
PEAC 1308 - HIKE & FISH (1)

This course will introduce beginners to the basics of hiking and fly-fishing so that they can pursue future trips with more confidence. Topics will include choosing proper equipment, how to hike effectively, and minimizing impact on the land. The techniques of fly-fishing will be emphasized and practiced. Care of equipment, safety and determining fish behaviors will also be covered. The course will involve lecture/discussion sessions followed by a day hike and a weekend trip, two days/one night in hiking and fishing.

PEAC 1309 - HIKE-CAMP-FISH (2)

This course will introduce beginners to the basics of backpacking and fly-fishing so that they can pursue future trips with more confidence. Topics will include choosing proper equipment, how to pack a pack effectively, minimizing impact on the land, and protecting food and equipment from animals. The techniques of fly-fishing will be emphasized and practiced. Care equipment, safety and determining fish behaviors will also be covered. The course will involve lecture/discussion sessions followed by a day hike and a weekend trip, three days/two nights in the local mountains.

PEAC 1320 - BIG GAME HABITAT SKILLS (1)

This course will provide students with the knowledge and skills to find and identify Wyoming146s big game animals. Primary emphasis will be placed on rocky mountain elk, mule deer, antelope and moose. Students will also be introduced to the necessary hunting equipment required to pursue these animals, as well as the physical conditioning needed to safely hunt in high altitude rugged terrain. Emphasis will also be placed on the role of hunters in the management of big game and current conservation issues facing big game herds in Wyoming.

PEAC 1340 - MOUNTAIN BIKING (1)

Introduction to the fundamentals of mountain biking to include bike selection, fit, basic maintenance, and riding techniques.

PEAC 1387 - INDOOR ROCK CLIMBING (1)

This course introduces the students to climbing, bouldering, sport climbing and climbing games in an indoor setting. Participants will gain knowledge and skills so that they may feel confident and comfortable in indoor climbing situations or gyms.

PEAC 1600 - SNOW & ICE CLIMBING I (1)

This course introduces students to the necessary equipment, knowledge and the skills to look after themselves and others in a remote, high, mountainous environment. The course will concentrate primarily on various facets of snow and ice climbing, and techniques of high altitude camping. Topics such as glacier travel, use of the ice axe and crampons, route finding and crevasse rescue will be covered. Overnight trips will provide students the opportunities to experience high alpine camping, use alpine stoves, cook their own meals and to practice the knowledge and skills they acquire. The course is flexible in nature in order to best fit the needs of particular groups of students.

PEAC 2005 - PERSONALIZED FITNESS I (2)

This is phase one of a two-phase lecture/lab conditioning program. This course is a general conditioning program which includes the four areas of fitness: cardiovascular fitness, flexibility, muscular strength and muscular endurance. Personal exercise prescriptions will be written by the instructor.

PEAC 2006 - PERSONALIZED FITNESS II (3)

This course deals with a special type of conditioning program which applies the principle of specificity. The type of training undertaken must relate to the type of movement which will be performed on the job. Personal exercise prescriptions will be written by the instructor. Continuation of PEAC 2005.

Prerequisite: PEAC 2005 or Instructor Permission.

PEAC 2012 - ADVANCED SCUBA DIVING (1)

This course is for students who want to continue with their underwater education. A diver need not be advanced to take this course. This course will provide students with the opportunity to sharpen their scuba and safety skills. Five underwater dives will be completed which will introduce students to underwater career opportunities. Topics include natural navigation, the body and diving, advanced diving procedures, aquatic biology, deep diving and 5 open water dives. A lab fee will be required.

Prerequisite: PEAC 1015, Open Water Certification, or Instructor Permission.

PEAC 2017 - WATER SAFETY INSTRUCTOR (1)

This course is designed for the advanced swimmer. Students will learn instructor skills for teaching the progressively more difficult swimming courses. Students will learn all of the skills for each course and how to properly teach those skills with safety in mind.

Prerequisite: PEAC 2018, or must be a life guard, or Instructor Permission.

PEAC 2018 - LIFEGUARD TRAINING (1)

Lifeguard Training is designed for the more advanced swimmer and concentrates on lifeguard training skills and the knowledge required to become a lifeguard at a swimming pool and at non-surf beach areas. CPR for the Professional Rescuer and First Aid are included included in the course. Prerequisite: Intermediate or advanced swimming ability. Successful completion of skills test or instructor's permission.

PEAC 2025 - WILDERNESS NAVIGATION (1)

Wilderness Navigation is a comprehensive introduction to the special nature of traveling and navigating in the wilderness. Regardless of why a person has entered the wilderness; be it for recreation, occupation, education or accidentally, the wilderness can be a harsh and unforgiving environment. The student will be introduced to the skills, maps, and the magnetic compass to successfully navigate within the environment. Opportunities will be provided to practice these skills in the field while hiking and navigating through rough terrain.

PEAC 2029 - CORE BOARD TRAINING II (1)

This course is more advanced than Core Board Training I and requires a higher fitness level and knowledge base. It is not intended for the beginner exerciser. This course uses the Reebok Core Board, stability balls, medicine balls, resistance tubing, stretch straps, foam rolls and stretch bands to facilitate a higher level of training of the core muscles of the body. This course provides a total body workout and includes exercises that increase strength, flexibility, stability, balance and cardio endurance. This class allows students to further strengthen their core muscles and improve their posture while using proper body alignment and body mechanics to perform the core conditioning exercises.

Prerequisite: PEAC 1029, or PEAC 1290, or Instructor Permission.
PEAC 2072 - ADVANCED VOLLEYBALL (1)
Brief introduction to the fundamental skills in volleyball such as the serve, spike, bump, set and block. The main emphasis will be placed on the more intricate skills of the dink, dig, dive, getting around the blockers, offense and defense systems and strategy. Students will be involved in game play as well as receiving individualized instruction on skills. Lectures will complement the activity part of the class.

PEAC 2088 - ROCK CLIMBING II (1)
Students will practice climbing with a top rope, learn to use the technical gear used for protection, learn to lead and set up practice climbs, multi-pitch climbs, and safety on the mountain. Students will little or no climbing experience will have a beginning climbing refresher. After introduction and practice on gradual slopes, the course continues on a series of rock faces where a variety of problems give each student a chance to multi-pitch problems according to ability. All climbing is protected with a top rope for safety. Continuing instruction and practice is designed to acquaint each student with a variety of special equipment associated with rock climbing. Safe use of equipment is stressed at all times.
Prerequisite: PEAC 1287.

PEAC 2280 - FLY FISHING II (2)
This course is designed to teach students advanced fly fishing techniques including: casting for greater accuracy and distance, angling techniques for various types of water and proper methods for catch release fishing. Students will also learn basic aquatic entomology and the production of artificial flies to accurately imitate real insects. Special attention will be placed on species identification and on the role that anglers play in conservation. Weekend trip involved. This course does not meet the Health Human Activity general education requirement for graduation.
Prerequisite: Take PEAC 1280 or Instructor Permission.

PEAC 2294 - INTERMEDIATE YOGA (1)
This course advances the practice of yoga, continuing to improve physical and mental health through the non-competitive and introspective practice of more advanced asanas (poses), breathing techniques, and meditation. It is appropriate for men and women of all ages who demonstrate the knowledge, strength, and skill necessary to keep themselves safe in a more advanced practice.
Prerequisite: Instructor Permission.

PEAT - VARSITY ATHLETICS

PEAT 1010 - CHEERLEADING (1)
This is a course designed for the Pep Squad/Mascot to learn and practice cheers and dance routines to be performed at athletic events. Students will also develop, prepare, organize and participate in activities with fellow students in order to promote school spirit.

PEAT 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.
Prerequisite: Instructor Permission.

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.
Prerequisite: Instructor Permission.

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.
Prerequisite: Instructor Permission.

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.
Prerequisite: Instructor Permission.

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.
Prerequisite: Instructor Permission.

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 - PHYSICAL EDUC PROFESSIONAL

PEPR 1120 - TEACHING FREE WEIGHT TRAINING (1)
This course is designed for individuals with no prior weight training experience. Students learn proper technique for basic free weight lifting exercises. Students will learn how to teach and critique proper form for the basic free weight lifts. Analysis and correction of others' technique will be emphasized. New exercises will be taught and perfected throughout the semester. By the end of the course, students will have learned the form on the basic free weight lifts and be able to teach, analyze and correct the lifting technique of others. Emphasis is placed on teaching safe and effective use of the free weight equipment.
Prerequisite: PEPR 2130, may be taken concurrently. Corequisite: PEPR 2130.

PEPR 2037 - INTRODUCTION TO SPORTS PSYCHOLOGY (3)
Sport Psychology is the study of mental factors affecting athletic skills and performance as well as during sports injury, applying psychological science to sports. This course will provide an overview of the growing field of Sport Psychology. Subjects studied during this course will cover the foundations of Sport Psychology, the psychological influence in sport, recreational activity, injury and rehabilitation as well as performance enhancement techniques. Topics will include theoretical foundations of counseling psychological interventions for performance troubles, and mood dysfunctions through injury, rehabilitation and return to sport.
PEPR 2120 - INTRO TO EXERCISE PHYSIOLOGY (4)
This course explores the physiological aspects of human movement. Aspects of exercise, such as muscular and neurological control of movement, metabolism, cardiovascular control and the training affects are discussed. The course also explores how nutrition, environment, drugs, hormones, and other factors that effect performance.
Prerequisite: BIOL 2015. Corequisite: PEPR 2121.

PEPR 2121 - INTRO TO EXERCISE PHYSIOLOGY LAB (0)
Corequisite: PEPR 2120.

PEPR 2130 - FITNESS LEADERSHIP TRAINING I (3)
This course teaches the responsibilities and work activities that are necessary for becoming a fitness leader or personal trainer. It is a practical course that stresses application of anatomical and physiological concepts related to exercise. Major topics include exercise screening, program design, proper exercise techniques, injury prevention and legal issues. In addition, this course will prepare students to take the national certification exam given by the American Council on Exercise.

PEPR 2140 - PERSONAL TRAINER CERTIFICATION REVIEW (1)
This course reviews the knowledge base and responsibilities that are necessary for becoming a personal trainer. It is an exam review course that covers exercise screening, individualized program design, proper exercise techniques, exercise science principles, methods of training, leadership and implementation, and legal issues. In addition, this course will prepare students to take the national personal trainer certification exam given by the American Council on Exercise (ACE).

PEPR 2230 - FITNESS LEADERSHIP TRAINING II (3)
This course is a continuation of the Fitness Leadership Training I course. The purpose of the course is to further explore the topics related to the responsibilities and work activities that are necessary for becoming a fitness leader or personal trainer. In addition to expanding on the topics addressed in the Fitness Leadership I course, major topics presented in this course include basic functional anatomy and biomechanics, basic exercise physiology, and program design and periodization. It is a practical course that stresses application of anatomical and physiological concepts related to exercise. This course will be helpful for the student preparing to take a national personal trainer certification exam.
Prerequisite: PEPR 2130 (C or better).

PEPR 2470 - BEGINNING EXERCISE SCIENCE INTERNSHIP (1-2)
Students will apply their exercise science knowledge and skills gained from the Fitness Leadership and Exercise Physiology classes, and internship training sessions to real-life settings.
Prerequisite: PEPR 2130, may be taken concurrently. Corequisite: PEPR 2130.

PEPR 2471 - ADVANCED EXERCISE SCIENCE INTERNSHIP (1-2)
Students will apply their exercise science knowledge and skills gained from the Fitness Leadership and Exercise Physiology classes, and internship training sessions to real-life settings.
Prerequisite: PEPR 2470.

PHIL - PHILOSOPHY

PHIL 1000 - INTRODUCTION TO PHILOSOPHY (3)
This introductory course is designed to provide a sampling of some of the important ideas and issues of philosophy as they relate to us today. It consists of reading and discussion of classical and contemporary writers who address such questions as how we should live our lives, whether or not we have free will, and what we can know about the nature of reality and of the mind.

PHIL 2300 - ETHICS (3)
Students will examine some of the principle theories of ethical behavior, including Relativism, Egoism, Utilitarianism, Deontology and Virtue Ethics, and will apply these theories to discussions of conduct in our private and public lives, as well as to some contemporary societal debates.

PHIL 2310 - PHILOSOPHY OF RELIGION (3)
This course is a systematic examination of philosophical questions, arguments and theories arising from the study of religion. Topics to be studied may include reason and religion, proofs for the existence and nature of God, the character of religious language, attempts to determine the authenticity of religious experience, religion and ethics, and God and evil.
Prerequisite: PHIL 1000.

PHIL 2315 - COMPARATIVE RELIGIONS (3)
This course introduces students to some of the major religious traditions that have guided and continue to guide the thoughts and actions of believers. Specifically, students will gain familiarity with religious traditions such as those originating in India (Hinduism, Buddhism, and Sikhism), in the Far East (Taoism, Confucianism, and Shintoism) in the Middle East (Islam, Judaism and Christianity), and in Native American and African tribal societies. Students will gain insight into the commonalities among and the key differences between these various religious traditions. They should also achieve a fuller appreciation of and respect for the practitioners of other religions.

PHLB - PHLEBOTOMY

PHLB 1800 - PRINCIPLES OF PHLEBOTOMY (3)
This didactic course will introduce the student to the profession and practice of phlebotomy. Course activities and projects provide the students with the knowledge and skills necessary to perform a variety of blood collection methods using proper techniques and precautions including: vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture specimen collection on adults, children and infants. Emphasis will be placed on infection prevention, universal precautions, proper patient identification, specimen acquisition, handling, processing, labeling, and quality assurance. Professional conduct, certification and federal regulatory issues will be covered as well.
PHLB 1970 - PHLEBOTOMY PRACTICUM (3)
This clinical laboratory practicum will introduce the student to the profession and practice of phlebotomy. Students will observe and practice phlebotomy skills and job tasks. Emphasis is placed on the application of phlebotomy knowledge and skills necessary to perform a variety of blood collection methods using proper techniques and precautions including: vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture specimen collection on adults, children and infants. Infection prevention, universal precautions, proper patient identification, specimen acquisition, handling, processing, labeling, and quality assurance are essential tasks associated with the profession. Patient confidentiality must be maintained at all times and professional conduct is expected and assessed as part of the student grade.
Corequisite: PHLB 1800.

PHYS - PHYSICS
PHYS 1050 - CONCEPTS OF PHYSICS (4)
A one-semester course in which a small number of fundamental physical principles are used to explore a wide range of phenomena. The basic conservation laws and their applications will be stressed. Topics will range from Newtonian mechanics to the modern wave/particle duality of quantum mechanics. The course is designed to satisfy the University of Wyoming physical science requirement.
Prerequisite: MATH 0920, or TECH 1000, or placement into MATH 0930 or higher. Corequisite: PHYS 1051.

PHYS 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.

POLITICAL SCIENCE
POL 1000 - AMERICAN & WYOMING GOVERNMENT (3)
This course provides a basic introduction to government and politics in the United States. Successful completion of this course will satisfy the Wyoming state requirement for instruction in the laws and government of Wyoming and the United States. The course is a survey of national, state, and local government. Topics will include U.S. and state constitutions, democratic theory, federalism, political culture, socialization, public opinion, political participation, electoral behavior, political parties and interest groups, press, and local government. The course also looks at institutional elements of the American political system: legislature, executive, judiciary, and bureaucracy. Also offered is a critical examination of the rights, duties, responsibilities, and accountability expected of citizens and elected officials within a democracy.
Prerequisite: COMPASS Reading Score of 74 or higher, ACT Reading Score 20 or higher, HMDV 1000 (C or better).

POL 1200 - NON-WESTERN POLITICAL CULTURES (3)
The primary objective of this course is to give students an appreciation of non-Western political cultures and of how these cultures have created different political institutions and practices. It will also provide for greater awareness of the challenges and opportunities that developing regions of the world are faced with. The course will be composed of in-depth case studies of selected nations and issues that are pertinent to different non-Western regions of the World.

POL 2000 - CURRENT ISSUES IN AMERICAN GOVERNMENT (3)
An examination of current political topics in the United States. Focus is on key public policy problems, policy making process, and the final policy choice. Students are expected to keep abreast of political events on a daily basis and to apply basic concepts in American government to current affairs.
POLS 2128 - TERRORISM (3)
This course deals with one of the most distressing problems of modern time: the accomplishment of political objectives by using innocent civilians as hostages - both physically and psychologically. The subject of terrorism will be discussed according to these three questions: What is terrorism and how might its characteristics best be defined? What are its immediate and underlying causes? What approaches have been proposed to bring it under control? Contemporary examples of actual terrorist situations will serve as illustrations.

POLS 2250 - LATIN AMERICAN STUDIES (3)
During this course, students will study the culture, history and politics of Latin America, from the Rio Grande on the U.S. -Mexico border on the north to the Antarctic tundra of Patagonia and the glaciers of Tierra del Fuego on the south. The course will consider historical events and encounters from pre-Colombian times to contemporary occurrences; the box of disciplinary resources for this adventure will include geography, anthropology, history, political economy, literature, language, and cultural studies. Readings, lectures, in-class discussions, films, written and creative assignments will help explore this fascinating region in the context of its own internal dynamics as well as its relationship with the larger world.

POLS 2310 - INTRO TO INTERNATIONAL RELATIONS (3)
Analysis of the nature of international relations with emphasis on various methods of explaining and interpreting international behavior of nation-states. Contemporary problems of world politics serve as illustration.

POLS 2470 - INTERNSHIP: POLITICAL SCIENCE (1-4)
The objective of this course is to integrate practical political experience with academic knowledge. The student is expected to participate in specifically assigned duties and to observe the broader activities of his sponsoring organization. Internship credit can be earned for work in a US Senator's or US Congress- man's office or for work with a Wyoming legislator in Cheyenne during the legislative session. A student can earn no more than 4 credits. Must register by mid-semester to get credit.
Prerequisite: Instructor Permission.

POLS 2471 - INTERNSHIP: POLITICAL SCIENCE II (1)
The objective of this course is to integrate practical political experience with academic knowledge. The student is expected to participate in specifically assigned duties and to observe the broader activities of his sponsoring organization. Internship credit can be earned for work in a U.S. Senator's or a U.S. Congressman's office or for work with a Wyoming legislator in Cheyenne during the legislative session. A student can earn no more than 4 credits. Must register by mid-semester to get credit.

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 behavior 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 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.

PSYC 2080 - PSYCHOBIOLOGY (4)
This is a one semester course that serves as an introduction to the biological bases of behavior. It includes ethology and comparative behavior, psychobiological development, physiological and sensory mechanisms of behavior, and evolution and behavioral genetics. It presents basic structural and functional properties of the nervous system.
Prerequisite: 4 hours of BIOL and PSYC. Corequisite: PSYC 2081.

PSYC 2081 - PSYCHOBIOLOGY LAB (0)
Corequisite: PSYC 2080.

PSYC 2210 - DRUGS AND BEHAVIOR (3)
Surveys drugs which affect behavior, emphasizing drugs with abuse potential. Includes brief introduction to the chemistry of the brain and how drugs may have their effects. Discusses behavioral, social, historical and medical aspects of each major class of psychoactive drugs.

PSYC 2300 - DEVELOPMENTAL PSYCHOLOGY (3)
This course is an overview of growth and development from conception through adolescence. Psychological development includes the physical, cognitive and social changes that humans experience at various stages. Students will learn the various theories and produce a project that demonstrates some aspect of development.
Prerequisite: PSYC 1000.

PSYC 1000 - GENERAL PSYCHOLOGY (4)
General Psychology introduces the field of psychology, surveying the psychological elements of human behavior. It includes physiological mechanisms, cognitive skills and intrapersonal elements of perception, motivation, and personality, as well as mental health problems. The student will understand the difference between subjective and objective evidence; points of views other than their own; and how to apply theory in their personal lives.
PSYC 2330 - PSYCHOLOGY OF ADJUSTMENT (3)
Adjustment is the psychological process of adapting to, coping with and managing the problems, challenges and demands of everyday life. This is a human growth course whereby emphasis is given to application of theory. Students will assess, evaluate and practice skills that allow them to learn to adjust to the problems of everyday life.
Prerequisite: PSYC 1000, HLED 1003 or Instructor Permission.

PSYC 2340 - ABNORMAL PSYCHOLOGY (3)
This course surveys the range and symptoms associated with mental health problems and how they are diagnosed. Behavioral health issues, including treatment and prognosis, are included as well as the environmental, intrapersonal and physiological factors which contribute.
Prerequisite: PSYC 1000.

PSYC 2380 - SOCIAL PSYCHOLOGY (3)
Social Psychology is designed to provide the student with an understanding of some of the factors which influence the behavior of both individuals and groups of people in a social environment. For the vocational student, the course is intended to provide an exposure to some contemporary social problems from a social psychological point of view. The student who intends to pursue further study in psychology will become familiar with the current theory, methodology and research findings of the field.
Prerequisite: PSYC 1000 or SOC 1000.

PSYC 2470 - INTERNSHIP: PSYCHOLOGY (1-3)
The Psychology Externship Program provides the opportunity to obtain practical work experience in the clinical field of psychology. Some programs allow for direct interaction between students and clients, while others of a more confidential nature involve observation only. Once a student has completed the observational period, they may graduate to increased involvement in that program. A student can earn no more than four credits and must register by mid-semester.
Prerequisite: Instructor Permission.

PSYC 2485 - PSYCHOLOGY SEMINAR: (1-4)
This course will discuss current topics in psychology, generally one theme each semester. Students will discuss, study, and report on that specific topic. The content may vary from semester to semester.

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. 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.

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. 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 1543 - CONTRACTOR EXPECTATIONS SAFETY ORIENT (0.5)
This course is an orientation to the various operator/producer safety policies and procedures, which many oil and gas operators/producers require in order to work on a wellsite. Using the Contractors Expectations and Orientation Handbook, students will learn the occupational and safety requirements for specific operator/producers, worksite policies and procedures, hazardous situations, incidence reporting, and emergency response plans. This course is approved for S/U grading.
SAFE 1544 - HAZ WASTE OPERATIONS & EMRGNCY RESPONSE (2.5)

This Hazardous Waste Operations and Emergency Response (HAZWOPER) course will cover safety, health and other potential site hazards; use of personal protective equipment (PPE); spill containment; waste minimization; remediation; safe use of engineering controls and equipment; and a demonstration of chemical and physical properties. This course is offered for Satisfactory/Unsatisfactory grading.

SAFE 1545 - SAFETY & RIGGING FOR INDUSTRY (2.5)

Safety Rigging of Industry, often referred to as S.M.A.R.T. (Safety Management And Rig-up Training School), is a real-time, hands-on based training focusing on potential hazard identification and resolution designed to instruct new employees on the proper and safe rig-up and rig-down practices using industry approved best practices. Active role-play participation runs throughout the course, with job scenarios across the broad range of Product Service Lines (PSL). This course is approved for S/U grading.

Prerequisite: SAFE 1541, SAFE 1542 or Instructor Permission.

SAFE 1551 - GENERAL INDUSTRY SAFETY I (0.5)

This 10-hour program is intended to provide a variety of training on General Industry Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include such things 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 are OSH Act, General Duty Clause 5 (a)(1), Inspections, Citations, and Penalties (CFR Part 1903), Walking and working Surfaces (Subpart D), Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection (Subparts E - L), and Electrical/Subpart S). In addition, other topics may be included based on the major units of study or additional needs of company groups. This course is approved for S/U grading.

SAFE 1554 - CONSTRUCTION INDUSTRY SAFETY II (2)

This 30-hour program is intended to provide a variety of training on Construction Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include General Duty Clause, Recordkeeping (29 CFR 1904, Subpart C: General Safety and Health provisions, Competent Person, STD 3-1.1 (Clarification of Citation Policy Regarding 29 CFR 1926.20, 29 CFR 1926.21 and Related General Safety and Health Provisions); Safety Programs, Electrical Subpart K, and Fall Protection, Subpart M. In addition, other topics may be included based on the major units of study or additional needs of company groups. This course is approved for S/U grading.

SAFE 1560 - PEC PREMIER CORE COMPLIANCE ORIENTATION (2-3)

This course is an orientation of basic safety policies and procedures, which many oil and gas operators/ producers require in order to work on a well site. Using the PEC Premier Core Compliance Workbook, students will learn the basic occupational and safety requirements for many operator/ producers, acceptable worksite policies and procedures, hazardous situations identification through video exercises, incidence reporting procedures, and emergency response plans. This course is approved for S/U grading.

SAFE 1561 - PEC PREMIER BASIC ORIENTATION (0.5)

SAFE 1565 - SAFETY & FUNDAMENTALS ED-TRAINING 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 techniques and safe rig-up and rig-down practices using industry approved best practices. Active role-play participation runs throughout the course, with job scenarios across a broad range of Product Service Lines (PSL). This course is approved for S/U grading.

Prerequisite: SAFE 1560.

SOC - SOCIOLOGY

SOC 1000 - SOCIOLOGICAL PRINCIPLES (3)

An introduction to the concepts, methods and applications of sociology. The course deals with topics such as culture, the group and the individual, socialization and sex roles, deviance and subcultures, social class, education and social mobility, inequality and poverty, racism and sexism, the family, religion, the economy and the policy.

SOC 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 (3)

An application of basic sociological concepts and methods to an analysis of contemporary social problems such as crime and justice; violence - rape, child beating and questions of gun control; health care crisis; deviant sexuality; alcohol and other drug abuse; mental health problems; AIDS; human impact on the environment; and the nuclear peril.
SOC 2000 - INTRO TO SOCIAL WORK (3-4)
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. Students taking the course for four credits will be required to complete a volunteer field experience of a minimum of 20 hours in some acceptable setting.

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 2350 - RACE & ETHNIC RELATIONS (3)
This course examines social relations among majority and minority groups by devoting particular attention to race and ethnic relations in the United States. The sociological approach to this topic emphasizes power structures, economic relationships, and cultural traditions historically and today. Attention is devoted both to social psychological issues such as prejudice and social structural issues such as inequality.

SOC 2470 - INTERNSHIP: SOCIOLOGY (1-4)
Prerequisite: Instructor Permission.

SPAN - SPANISH

SPAN 1010 - FIRST YEAR SPANISH I (4)
This beginning level course introduces the fundamentals of grammar, composition, conversation and reading. Note: A student who has successfully completed two years or more of high school Spanish with a "B" or better should not enroll in this beginning class.

SPAN 1020 - FIRST YEAR SPANISH II (4)
This course offers the fundamentals of grammar, composition, conversation and reading.
Prerequisite: SPAN 1010 or successful completion of two years of high school Spanish or the equivalent.

SPAN 1050 - CONVERSATIONAL SPANISH I (2)
This course will introduce the beginning student to the skills needed to be able to communicate orally in Spanish. The emphasis will be placed on developing listening and speaking proficiency. In addition, the student will learn about cultural differences which need to be considered when communicating with someone from a different country.

SPAN 1060 - CONVERSATIONAL SPANISH II (2)
This course continues to develop and enhance basic conversation in Spanish.
Prerequisite: SPAN 1050, SPAN 1010 or Instructor Permission.

SPAN 1070 - SPANISH FOR HEALTH CARE PERSONNEL (2)
This course is designed for students and professionals in the health care field. The course focuses on the communication skills and the specialized vocabulary needed to be able to communicate effectively with Hispanic patients. The students will also learn about cultural differences which need to be considered when communicating with someone from a different country.

SPAN 1075 - SPANISH FOR TRAVELERS (2)
This course will introduce the beginning student to the skills needed to be able to communicate orally in Spanish during their travels. The student will also learn about cultural differences, which need to be considered when traveling in a Spanish-speaking country.

SPAN 2030 - SECOND YEAR SPANISH I (4)
This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.
Prerequisite: SPAN 1020 or successful completion of three years of high school Spanish or the equivalent.

SPAN 2040 - SECOND YEAR SPANISH II (4)
This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.
Prerequisite: SPAN 2030 or successful completion of four years of high school Spanish or the equivalent.

STAT - STATISTICS

STAT 2010 - BUSINESS STATISTICS (4)
This course is designed to provide majors in accounting, business administration, economics, management and marketing with training in basic statistical concepts with emphasis on applications to business programs. Credit cannot be earned in more than one of the following: STAT 2010, 2050, and 2070.
Prerequisite: MATH 1000 or higher, or placement in MATH 2200 via the COMPASS or ACT.

STAT 2050 - FUNDAMENTALS OF STATISTICS (4)
The presentation and application of statistical inference. Topics include measures of central tendency, variance and standard deviation, probability modes, inference for means, analysis of variance for one way classification and an introduction to linear regression and correlation. Credit cannot be earned in more than one of the following: STAT 2010, 2050 or 2070.
Prerequisite: MATH 1000 or higher, or placement in MATH 2200 via the COMPASS or ACT.

STAT 2070 - STATISTICS FOR SOC SCIENCE (4)
Presentation of central ideas of descriptive statistics and statistical inference, as applied to questions in the social sciences. Topics include graphs, averages, sampling, estimation, hypothesis testing and relationship between variables. Associated computer skills will also be introduced. Credit cannot be earned in more than one of the following courses: STAT 2010, 2050 or 2070
Prerequisite: MATH 1000 or higher, or placement in MATH 2200 via the COMPASS or ACT.
**TECH - TECHNOLOGY**

**TECH 1000 - INTRO TO 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 (DVST) 0900 (C or better); or MATH (BAS) 0710 (B or better) and MATH (BAS) 0740 (B or better) and MATH (BAS) 0750 (B or better); or appropriate Math Placement Test Score.

**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 hygienic. 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 1025 - THEATRE ETHICS (1)**

This course is a study of the natural laws of humanity and how they relate to an education and career in the theatre arts. Emphasis is placed on the development of long-term character habits based on these natural laws and not on quick-fix personality techniques. This course will not define how an individual should behave, but instead will teach theatre artists methods of moral judgment and character development that will lead to an effective and successful education and career.

**THEA 1030 - WRITTEN THEORY I--MUSICAL THEATRE MAJORS (3)**

Designed for the student interested in pursuing a major in theatre, this course uses an integrated approach toward the fundamentals of music and of written harmony.

Corequisite: THEA 1035.

**THEA 1035 - AURAL THEORY I--MUSICAL THEATRE MAJORS (1)**

The study of sight singing, ear training, keyboard harmony and diatonic harmony.

Corequisite: THEA 1030.

**THEA 1100 - ACTING (3)**

The basic course in principles and practice of acting, examining the fundamental principles of oral and physical interpretation and providing practical experience in a variety of theatrical activities.

**THEA 1110 - ACTING FOR MUSICAL THEATRE (3)**

This course will introduce students to the theory and practice of acting in musical theatre. Topics of focus will be song interpretation, truthful acting, and auditioning for musical theatre.

Prerequisite: THEA 1100.

**THEA 1120 - AMERICAN MUSICAL THEATRE HISTORY & LIT (3)**

This course covers the origins and development of the musical from "The Black Crook" to the present. Emphasis is placed on the investigation of the structure of the musical, its components, and cultural connections.

**THEA 1200 - INTRODUCTION TO STAGE DESIGN (3)**

This course introduces and explores visual aesthetic principles as they relate to various aspects of stage design. Studio projects in scene, lighting, and costume design supplement lectures will be required. This course will satisfy the prerequisite for other design courses.

**THEA 1300 - SOCIAL DANCE (1)**

Socialization, play and fun are the basic elements essential to Social Dance and participation is considered more important than performance. Social dance is a form of silent language in that it tends to reflect, in music and movement, the mood of people. In this course, dances from seven periods which mark the progress of social dance will be explored.

**THEA 1310 - CORE COND FOR WHOLE BODY CONNECTIVITY (1)**

This class is an approach to basic body training involving the core muscles. Various methods of instruction will be incorporated throughout the class including: Pilates, Bartenieff Fundamentals, work with exercise-bands, exercise-balls, and the reformer. Students will participate in exercises that will increase strength and flexibility and they will gain an understanding of body awareness and connections in the body that will help relieve stress in various parts of the body due to over use and inefficient movement patterns.
THEA 1373 - SINGING FOR THE ACTOR I (1)
This course is the first in a two part series and will focus on relaxation, alignment, breath, and placement of resonance and articulation (vowel and consonant execution). This course will create an atmosphere in which the student will be able to form confidence in their personal abilities to sing. These personal abilities will be enhanced as the student learns to apply the fundamental techniques of singing. This course will also teach the student versatility and clarity in several styles of music theatre material.

THEA 1374 - SINGING FOR THE ACTOR II (2)
This course 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 1406 - INTRODUCTION TO BALLET (2)
This course is an introduction to the fundamentals of ballet technique utilizing barre work, and basic center enchainments. The class will discuss anatomical principles of ballet technique and elements of the art forms history.

THEA 1407 - BEGINNING BALLET (2)
This course will continue to build upon the fundamentals of ballet technique introduced in THEA 1406 Introduction to Ballet. The class will start with barre work, and then move to beginning level center work, and across the floor enchainments. The class will discuss anatomical principles of ballet technique and focus on the proper physical execution of the vocabulary.
Prerequisite: THEA 1406 or Instructor Permission.

THEA 1410 - BALLET I/I (2)
This class will begin with the classical ballet vocabulary at the barre, with emphasis on proper alignment and anatomical execution of beginning/intermediate ballet vocabulary. The class will then move to beginning/intermediate level center and traveling enchainments, with a focus on petit allegro
Prerequisite: THEA 1407 or Instructor Permission.

THEA 1420 - BALLET I/II (2)
This course will continue to build upon ballet vocabulary presented in THEA 1410. The class will begin with the classical ballet vocabulary at the barre, with emphasis on proper anatomical execution of intermediate ballet vocabulary. The class will then move to intermediate level center and traveling enchainments, with a focus on grand allegro.
Prerequisite: THEA 1410 or Instructor Permission.

THEA 1426 - INTRODUCTION TO MODERN DANCE (2)
This course is designed to give non-dancers an introduction to the origins and fundamentals of modern dance technique with an emphasis on personal movement awareness. Weight, levels and dynamics will be introduced through non-locomotor and locomotor movements.

THEA 1427 - BEGINNING MODERN DANCE (2)
This course will continue to build upon the fundamentals of modern dance technique introduced in THEA 1426. Basic locomotor combinations that focus on weight, levels and dynamics will be introduced.
Prerequisite: THEA 1426 or Instructor Permission.

THEA 1430 - MODERN DANCE I/I (2)
This class will focus on the exploration of the fundamentals of modern dance with an emphasis on locomotor movement. The class will begin with a warm-up emphasizing sequencing through the body and clear movement pathways. The class will then move to center combinations, which will focus on the use of levels, weight and dynamics in both non-locomotor and locomotor movements. Anatomical principles such as movement of the spine, specific joints, and muscular cause and reaction will be discussed throughout the class.
Prerequisite: THEA 1427 or Instructor Permission.

THEA 1440 - MODERN DANCE II/I (2)
This course will continue to build upon the modern dance principles taught in course THEA 1430. The class will begin with a warm-up emphasizing sequencing through the body and clear movement pathways. The class will then move to center combinations, which will focus on the use of levels, weight and dynamics in both non-locomotor and locomotor movements. Anatomical principles such as movement of the spine, specific joints, and muscular cause and reaction will be discussed throughout the class.
Prerequisite: THEA 1430 or Instructor Permission.

THEA 1450 - TAP DANCE (1)
The study of basic tap steps with emphasis on rhythmic accuracy and clarity of tap sounds. May be used for Fine Arts credit.

THEA 1460 - MUSICAL THEA VOCAL ENSEMBLE (1)
Prerequisite: Instructor Permission.

THEA 1480 - JAZZ DANCE I (2)
Exploration of the fundamentals of jazz dance techniques with emphasis on rhythm and style.

THEA 2100 - ACTING II (3)
This course will continue to use "you" (yourself) as the source and foundation of true emotion and behavior. Skills of relaxation, trust, observation, substitution, sense memory, emotional memory, imagery, inner objects, professionalism, concentration, actor scoring, script analysis, and believability will be examined more thoroughly than in Beginning Acting through participation in class acting exercises, monologue and scene work, analysis and improvisation. Emphasis will be placed on learning multiple approaches to organic character development and relationship. Specific topics of study include: energy, connection, breath, spatial awareness, inner objects, endowing, the "moment before", centers, physicality, animal work and other image based characterization, and improvisation.
Prerequisite: Take THEA 1100.

THEA 2105 - DANCE HISTORY I (3)
This course will explore why and how dance is a vital participant in cultural practices around the world. A wide overview of dance from Ritual to Romanticism will be covered, including non-western dance forms in India, Japan, Africa, Australia and Native American tribes. In addition to non-western dance, the origins of ballet beginning with Catherine de Medici's Renaissance pageants through the Romantic era will also be examined.
THEA 2106 - DANCE HISTORY II (3)
This course will explore the history of western dance styles starting with the Classical Era of ballet, the birth of modern dance, and continuing through the 20th Century. Social and political events of the 20th Century and their impact on dance, as well as the art forms reaction to these events, will be examined.

THEA 2110 - ACTING FOR MUSICAL THEATRE II (3)
This course will provide a more thorough study and application of a musical theatre performer's tools. Students will learn to perceive and project detailed aspects of vocal, physical, and psychological performance energies in musical theatre contexts.
Prerequisite: Take THEA 1110.

THEA 2125 - BEGINNING SCENIC DESIGN (3)
This course will prepare the student to understand the fundamentals of scenic design and how computer technology can help with the design process. This study will start with the research process and work through the entire design process. Following that, the course will cover the responsibilities of the scenic designer throughout the build and rehearsal process. Finally this course will help students learn the collaboration process as well as the communication required in theatre. Topics will include research process, concepts, design elements, computer drafting, renderings, model making, and technical rehearsals.
Prerequisite: THEA 1200 or Instructor Permission.

THEA 2145 - COSTUME CONSTRUCTION (2)
This course emphasizes techniques for costume construction, both machine and hand sewing, and sergers. Students will learn pattern layout and alterations, basic costume alterations, taking measurements of an actor to successfully build a costume, and making a basic item of clothing.

THEA 2150 - STAGE MANAGEMENT (3)
This course is a practical study of the art of stage management. Techniques necessary for efficient theatre production and a conceptual overview of the rehearsal and performance process will be stressed. This course will prepare the student to work as a stage manager in any performing arts setting, including preproduction work, how to run the rehearsal process and the responsibilities of the stage manager during a performance. Finally the course will cover human behavior within a theatre organization and will help develop the student's ability to manage such an organization. Topics will include production research, planning, organization, auditions, rehearsal rules, managing rehearsals, information distribution, technical and dress rehearsals, preperformance preparation, running a show, organizational structure and human behavior.

THEA 2160 - STAGE MAKE-UP (2)
This class is designed to teach students fundamental techniques in stage make-up design and application.

THEA 2165 - BEGINNING DIRECTING (3)
This course provides an analysis and application of the techniques of theatrical directing. The course will be divided into two parts: working with actors, and the interpretive process. Topics include creating ensemble, rehearsal methods, director values and concept, casting, staging, script selection, analysis, and factors of preparing a production. Upon completion, students should be able to plan, execute, and critically discuss student-directed scenes.
Prerequisite: Take THEA 1100.

THEA 2175 - BEGINNING COSTUME DESIGN (3)
This course will prepare the student to understand the fundamentals of costume design starting with the research process and working through the entire design process. Following that, the course will cover the responsibilities of the costume designer throughout the build and rehearsal process.
Prerequisite: THEA 2145 and THEA 1200.

THEA 2185 - PERIOD STYLES (3)
This course is a historical survey in the developments of dress, decor and architecture of western civilization from antiquity to modern age.

THEA 2212 - DANCE IMPROVISATION (2)
A study of fundamental concepts in dance improvisation and exploration of movement through spontaneous problem-solving. The course is designed to evoke the student's creative individuality and sense of ensemble through individual as well as partner and group exercises.
Corequisite: Corequisite: Enrollment in a Modern Dance Technique course.

THEA 2215 - DANCE COMPOSITION (2)
A study of fundamental concepts in dance composition. Dynamics, rhythm, design, motivation, gesture and improvisation are explored as basic elements for building dance. May be used as fine arts credit.
Prerequisite: THEA 2212 or Instructor Permission.

THEA 2220 - STAGECRAFT (3)
A study of fundamental skills and concepts necessary to create a theatrical environment utilizing image and function.

THEA 2230 - STAGE LIGHTING (3)
A study of stage lighting equipment and basic design concepts for lighting a play.

THEA 2250 - COMPUTER AIDED DESIGN I (3)
This course will introduce students to computer programs commonly used in designing for the theatre stage. Students will learn to use tools of selected software programs to create groundplans, elevations and lightplots. Students will also learn to create a 3-dimensional representation of a groundplan, export a drawing from software into a 3-dimensional rendering program, and create and manipulate textures to be applied to the design.
Prerequisite: COSC 1200, may be taken concurrently.

THEA 2252 - DRAFTING & RENDERING FOR THEATRE (3)
This course focuses on developing hand drafting, drawing and rendering techniques used in the various areas of design in theater.

THEA 2270 - BEGINNING LIGHTING DESIGN (3)
This course will prepare the student to understand the fundamentals of lighting design starting with the research process and working through the entire design process. Following that, the course will cover the responsibilities of the lighting designer throughout the build and rehearsal process.
Prerequisite: THEA 2230 and THEA 1200.
THEA 2370 - SUMMER THEATRE (1-6)
This course will focus on the preparation and presentation of several plays for the College's summer stock theatre company. Students enrolling in this class will participate in all phases of production in the summer stock theatre company. Company members will be responsible for all technical and management preparations of the productions. They will also be performing in or running each production. Additionally, these students will work with youth in the preparation of a youth production.
Prerequisite: By Audition Only.

THEA 2410 - BALLET II/I (3)
This course may be used for Applied Arts credit. This course will continue to build upon the principles of ballet technique from THEA 1420. The class will begin with the classical ballet vocabulary at the barre, with emphasis on proper anatomical execution and aplomb. The class will then move to intermediate center, petit allegro, and grand allegro enchainments.
Prerequisite: THEA 1420 or Instructor Permission.

THEA 2420 - BALLET II/I (3)
This course will continue to build upon the principles of ballet technique from THEA 2410. The class will begin with the classical ballet vocabulary at the barre, with emphasis on proper anatomical execution and aplomb. The class will then move to intermediate/advanced center, petit allegro, and grand allegro enchainments.
Prerequisite: THEA 2410 or Instructor Permission.

THEA 2430 - MODERN DANCE II/I (3)
This course is the study of intermediate modern dance techniques with an emphasis on complex combinations and increasing physical demands on the body. The class will begin with a warm-up concentrating on sequencing through the body. The class will then move to center combinations, which will focus on more complex ideas of levels, weight and dynamics. An emphasis will be placed on anatomical awareness and the proper execution of the modern dance vocabulary.
Prerequisite: THEA 1440 or Instructor Permission.

THEA 2440 - MODERN DANCE II/I (3)
This course will continue to build upon the principles of modern dance technique from THEA 2430. The class will begin with a warm-up concentrating on sequencing through the body. The class will then move to center combinations, which will focus on more complex ideas of levels, weight and dynamics. An emphasis will be placed on anatomical awareness and increasing physical demands on the body through locomotor combinations.
Prerequisite: THEA 2430 or Instructor Permission.

THEA 2450 - TAP DANCE II (1)
This course will build on the basic steps and use more complex rhythms. Improvisation will be used to help the dancer hear and duplicate rhythms. The emphasis will continue to be on the rythmic accuracy and clarity of tap sounds.
Prerequisite: THEA 1450.

THEA 2471 - THEATRE & DANCE PRACTICUM I (1)
This course provides practical experience for students interested in participating in college-sponsored theatre and dance activities and production. Areas of interest include acting, dancing, singing, stagecraft, lighting, costumes, props, and other technical support. Students will be required to perform at least 30 lab hours for each credit hour. May be taken four times for credit.

THEA 2472 - THEATRE & DANCE PRACTICUM II (2)
This course provides practical experience for students interested in participating in college-sponsored theatre and dance activities and production. Areas of interest include acting, dancing, singing, stagecraft, lighting, costumes, props, and other technical support. Students will be required to perform at least 30 lab hours for each credit hour. May be taken four times for credit.

THEA 2473 - THEATRE & DANCE PRACTICUM III (3)
This course provides practical experience for students interested in participating in college-sponsored theatre and dance activities and production. Areas of interest include acting, dancing, singing, stagecraft, lighting, costumes, props, and other technical support. Students will be required to perform at least 30 lab hours for each credit hour. May be taken four times for credit.

THEA 2480 - JAZZ DANCE II (2)
This course will provide continued exploration of basic and intermediate jazz dance technique with emphasis on increasingly complex combinations and style.
Prerequisite: THEA 1480 or Instructor Permission.

THEA 2500 - THEATRE PORTFOLIO (1)
This course will provide students with the opportunity to prepare a comprehensive portfolio which may help them transfer to another college or gain employment. Students will also complete a project in their primary area of emphasis with a final presentation juried by faculty within the selected discipline. This course does not fulfill the WWCC Assessment requirement for graduation.
Prerequisite: Must have completed 45 credit hours toward an AFA or AA degree.

THEA 2610 - SOUND REINFORCEMENT I (2)
This course is the introduction to the theory, techniques, and equipment used in sound reinforcement. Skills will be developed through theory and application discussion, as well as hands-on training with professional sound equipment. Projects will include setting up and running an audio reinforcement system.

THEA 2615 - SOUND DESIGN (2)
This course will prepare the student to understand the fundamentals of sound design and how to use computer software in that process. This study will start with the research process and work through the entire design process. Following that, the course will cover the responsibilities of 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.
Prerequisite: THEA 1200 or Instructor Permission.

THEA 2810 - SCENIC PAINTING FOR 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 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. Through this experience the student will learn about and prepare themselves for a valuable career option. May be taken up to six times for credit. Only six internship credits allowable toward graduation.

TTD - TRUCK DRIVER TRAINING
TDD 1500 - NOVICE CDL TRAINING (5)
This course prepares the student to take the state required CDL test. It is designed primarily for the energy service industry. On and off highway terrains are utilized as well as late model tractors and loaded trailers, tankers, and high center point of gravity loads may be used in training. Simulation may also be used to replicate dangerous, expensive, or hard-to duplicate scenarios. Upon completion of this course, students must make arrangements to take the DOT test to be issued their commercial driver's license. This course is approved for S/U grading.

WELD - WELDING
WELD 1710 - OXYACETYLENE WELDING (2)
The student will develop welding safety and good shop practice skills. Topics of study include: Oxyacetylene welding and brazing of mild steel; Oxyfuel Safety; Oxyfuel Welding and Brazing Equipment and Oxyfuel Welding and Brazing Performance tasks.

WELD 1715 - OXYACETYLENE CUTTING (1)
Topics of study include Oxyacetylene cutting of circles, bevel edges, straight cuts and free-hand pipe beveling. Flame cutting equipment techniques will be taught using a hand-held cutting torch, a straight line track burner, and a coordinate shape cutter.

WELD 1755 - SHIELDED METAL ARC WELDING (3)
The student should be able to discuss SMAW, its processes and principles; have a basic knowledge of welding power supplies, tools and equipment and be able to discuss electrical safety. Topics of study include an introduction to welding, principles of arc welding and shielded metal arc electrodes.

WELD 1760 - ADV. SHIELDED METAL ARC WELDING (3)
The student should be able to weld tee joint 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, dual shield, and the flux cored processes for welding tee joints, V-groove butt joints on mild steel and aluminum.
Prerequisite: WELD 1840 or Instructor Permission.

WELD 1774 - GAS METAL ARC WELDING - PIPE (3)
The student will learn the techniques necessary to create full penetration welds on schedule 40 carbon steel pipe in all positions using the Gas Metal Arc process with ER70S filler metal with a 75%/25% Argon/CO2 shielding gas.
Prerequisite: WELD 1770 or Instructor Permission.

WELD 1776 - FLUX CORED ARC WELDING - PIPE (3)
The student will learn the techniques necessary to make code quality FCA welds on pipe in all positions using GMAW root and hot passes and FCAW on the remaining fill and cap. Such welds will be made on 6" schedule 80 pipe or larger. E70-T1 or equivalent will be used as the filler metal with a 75%/25% Argon/CO2 shielding gas.
Prerequisite: WELD 1774 or Instructor Permission.

WELD 1780 - GAS TUNGSTEN ARC WELDING - PLATE (4)
12/03 Course title and description changed The student will learn the processes, principles and equipment involved in Gas Tungsten Arc Welding. The student should be able to discuss electrical safety in GTAW, how to properly handle welding and cooling systems, and solve problems concerning GTAW. Topics of study include GTAW welding on carbon steel, stainless steel and aluminum plate using 16 gauge and 3/8" mild steel plate.
Prerequisite: WELD 1840 and WELD 1950 or Instructor Permission.

WELD 1840 - GROOVE WELDING PLATE (3)
The student will learn to weld open Single V-groove butt joints in the flat, horizontal, vertical-up and overhead position with and without backing strips. Students will use E-6010 welding electrodes for root beads and E-7018 welding electrodes for fill and cap. Students will learn to prepare bend test specimens for destructive testing and be given an opportunity to certify upon completion of this course.
Prerequisite: WELD 1760 or Instructor Permission.
WELD 1860 - WELDING FABRICATION (3)
This course is designed to provide skills and knowledge for structural steel and some pipe layout. Students will draft their own projects, learn and identify welding and drafting symbols. Students will also learn to record time spent on a project and as well as the total cost of the project. Taught in Outreach only.
Prerequisite: WELD 1755 and WELD 1760 or Instructor Permission.

WELD 1950 - SMAW STAINLESS STEEL BASIC (3)
12/03 CHANGE IN CREDIT FROM 2 to 3 This course is intended to introduce the student to the basics of shielded metal arc welding (SMAW) of Stainless 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 aned fluxes and SAW procedures and joint designs.
Prerequisite: WELD 1774 and WELD 1776 or Instructor Permission.

WELD 2510 - PIPE WELD I: SCHEDULE 40 (3)
This course is intended to teach the student the basics of SMAW welding on pipe in the 2G, 5G vertical-up and 6G vertical-up positions. The student will learn to differentiate between basic categories of pipe welding, select proper electrodes for pipe welding, discuss joint preparation and learn methods for destructive and non-destructive pipe testing. E-6010 welding electrodes will be used on root beads and E-7018 will be used on the fill and cap passes. Students will be given an opportunity to pass a pipe weld certification test upon completion of the course.
Prerequisite: WELD 1840 or Instructor Permission.

WELD 2520 - PIPE WELD II: 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 a destructive bend tester and the test for certification may also be radiographed.
Prerequisite: WELD 2510 or Instructor Permission.

WELD 2530 - DOWNHILL PIPE WELDING (3)
The student will weld to specifications Vee-groove butt joints in the 2G, 5G vertical-down and the 6G vertical-down positions. The E-6010 electrode will be used for the root pass and when required, for the hot pass. E-7010, or 70+(E-8010), will be used for the fill and cap passes. Performance tests in this course will be conducted to the specifications of the American Petroleum Institute's 1104 code procedures.
Prerequisite: WELD 1840 or Instructor Permission.

WELD 2540 - PIPE LAYOUT AND FABRICATION (4)
The student will learn to calculate run, set and travel for pipe runs, rolling offsets, two-piece parallel offsets and other pipe run configurations. The student will learn to use the framing square, the pipe wrap-around, two hole pins and other pipe fitting tools to layout, fit up and tack weld pipe assemblies. The student will use the hand-held cutting torch to make bevel cuts that require extreme accuracy.
Prerequisite: WELD 2520 or Instructor Permission.

WELD 2560 - 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 2565 - 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 2570 - 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 2580 - 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 2590 - 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.
2013-2014 FACULTY AND ADMINISTRATION

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ANDRUS, Robert, Education
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BALLS, Daniel, Mathematics
BATES, Russell, Computer Applications
CAMPELL, Ryan, English
CASTILLO, Arthur, Physical Activity
CASTILLON, Nicole, Human Development
CEBALLOS, Carla, Mathematics
CHAMBERS, Phil, Music
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CHERVA, Aldena, Business
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CISCAR, Maryls, Music
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CLARK, Chris, Physical Activity
CLARK, Kristopher, Electrical
CLIFFORD, Angela, Human Development
COBB, Cynthia, Human Development
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CRAFT, Bernadine, Psychology
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DERENTIS, Betty, Accounting
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DOAK, Terrie, Computer Applications
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FISCHER, Julie, Learning Center
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GAMBLE, Rhonda, Communications
GARBETT, Christine, English
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HAGER, Rick, Physical Activity

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HEENAN, Kelly, Psychology
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JENSEN, David, Music
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KLEINMAN, Mickey, Business, Computer Applications
KLUTHE, Nathan, Theatre
KNAPP, Doug, Music
KNIGHT, Timothy, Music
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METZ, David, Mathematics
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NELSON, Lynette, Music
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NEWSOM, Stephanie, Physical Activity
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ORTON, Ryan, Human Development
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PATTERSON, Craig, Biology
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Mark Erickson, RSHS
Tim Gorman, Certified Welding Inspector
John Isaacson, AirGas
Reed Robbins, OCI
Mike Hesse, Bridger Coal
Brandon Sabey, Solvay
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