



CATALOG

2011 - 2012

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Cover photo courtesy of WWCC student Luke Nielson

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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 over 6,000 in 2010. 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**

Mr. James Roth, Rock Springs

Secretary

Mr. George Eckman, Green River

Members

Mr. Dick Boettcher, Rock Springs

Mr. Robert Reese, Green River

Mr. Chris Plant, Rock Springs

Vice President

Ms. Shannon Honaker, Rock Springs

Treasurer

Ms. Lynne Chadey, Rock Springs

Administrative Staff:**President**

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V.P. for Student Learning

Mr. Ken Fitschen

V.P. for Administrative Services

Mr. Marty Kelsey

Associate V.P. for Administrative Services

Ms. Carla Budd

V.P. for Student Success Services

Dr. Jackie Freeze

Associate V.P. for Student Learning

Dr. Sandra Caldwell

Associate V.P. of Student Success Services

Ms. Laurie Watkins

INSTITUTIONAL OVERVIEW

Western Wyoming Community College is:

- A public, non-profit, tax-supported, two-year, co-educational institution granted legislative authority to award degrees
- Recognized by the Wyoming State Department of Education
- Recognized by the Veteran's Administration
- An Equal Opportunity Employer

ACCREDITATION

Western Wyoming Community College is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges & Schools. Western is one of approximately 200 institutions that participate in the Academic Quality Improvement Program within the Higher Learning Center. The Commission can be reached at:

30 N. LaSalle Street, Suite 2400

Chicago, IL 60602- 2504

313-263-0456

<http://www.ncahigherlearningcommission.org>

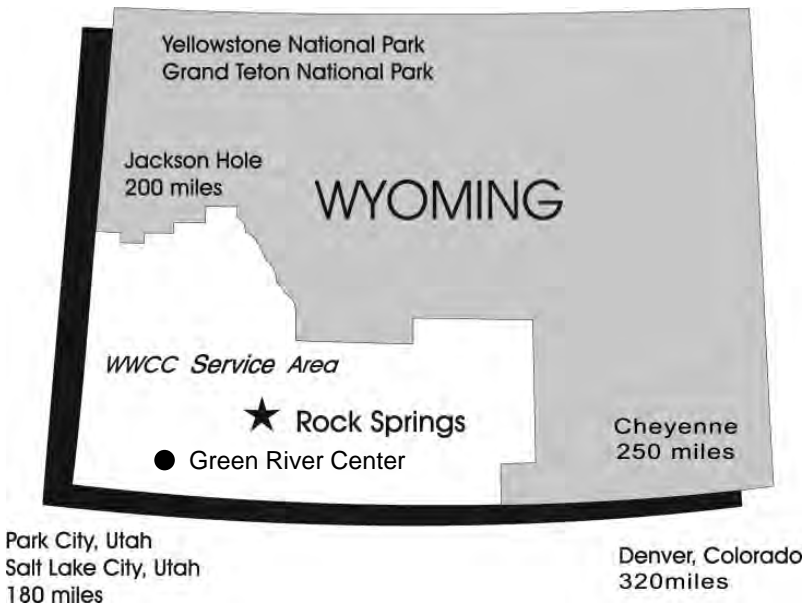
Other Accreditation:

- American Medical Technologist (Phlebotomy)
- American Welding Society (AWS) Accredited Testing Facility
- National League for Nursing Accrediting Commission

OUR LOCATIONS

Rock Springs (Main Campus)

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





Green River Center

The Green River Center, located in Green River, WY, is an extension of WWCC's Rock Springs campus. Its focus is multipurpose to serve the needs of Green River and the surrounding areas. At the GRC, WWCC offers educational opportunities for students through a variety of formats including evening courses, high school dual enrollment, and industry training. Additionally, the offices for Workforce & Business 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
- Accommodations for shift workers, Non-traditional, & part-time students
- Evening Courses
- Compressed Video
- Weekend & Flexible Courses
- Conference and Seminar Facilities
- High School Dual Enrollment Courses
- Test Proctoring Services
- Workforce Training
- Professional/Continuing Education
- MSHA Certification
- Community Education
- Community/Cultural Events
- Public Computer Kiosks

Outreach Centers

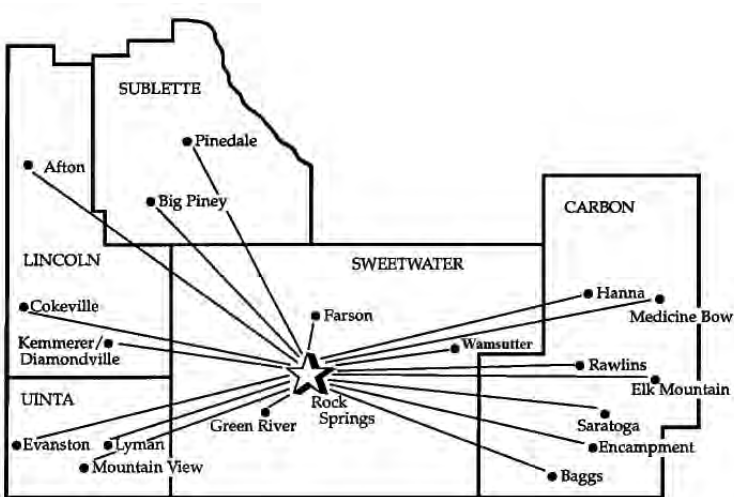
In this rapidly changing society, many people need to obtain new skills and knowledge in order to succeed in their professions or to be more active and committed members of their community. WWCC is committed to providing such learning experiences, not only to students who can attend on campus but also 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, Cokeville, Hanna/Elk Mountain, Evanston, Farson, Kemmerer, Lyman, Mountain View, Pinedale, Rawlins, Saratoga, Wamsutter and their surrounding areas. Each of these communities has a coordinator who initiates and implements the local credit programs. To meet the varied needs of these students, Western offers courses through a variety of distance education media including internet and compressed video. Credit courses at all sites adhere to the same standards and requirements set by Western Wyoming Community College.

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

Residents seeking additional information about the WWCC programs or courses in their area should contact their local coordinator. Coordinators' names and telephone numbers may be obtained by calling the WWCC Distance Education office at 382-1807 or looking at our web site at www.wvcc.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	Ms. Shannon Honaker.....	Director
Mr. Jim Burdick.....	Vice President	Mr. Mike Yedinak.....	Director
Mr. Dick Boettcher.....	Secretary/Treasurer	Ms. Cindy Bailey.....	Director
Dr. Karla Leach.....	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.
2. Submit official transcripts from the last high school attended (must be an accredited high school) and previous colleges attended (if any). Students who completed high school equivalency five or more years before the date of application are only required to submit a copy of their diploma or GED certificate. Students who have not graduated from high school should submit a copy of the General Education Development (GED) scores or arrange to take the GED Examination at the College (no later than the end of the freshman year). Students in certificate programs must complete high school equivalency by the midpoint of their program. Students who have been home schooled should contact Admissions regarding specific requirements.

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

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

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

NON-DEGREE STUDENTS

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

HIGH SCHOOL STUDENTS

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

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

NON-CREDIT STUDENTS

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

TRANSFER ADMISSION

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

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

1. Students must submit official copies of transcripts from each institution attended.
2. Credit is accepted from accredited institutions as listed in the American Council on Education's Accredited Institutions of Post-Secondary Education.
3. Transcript evaluations are completed for students who are accepted for admission. (Walk-ins or late applicants will not be evaluated until after the add period is over.) The transcript evaluation indicates which coursework is equivalent to WWCC courses as well as courses accepted under general divisions (i.e. History of Germany would be accepted as a history course even though the College doesn't have a direct equivalent). Questions about equivalency are referred to the appropriate department for determination.
4. All coursework completed by the student is listed on the evaluation and on the WWCC transcript, although only 50 credit hours may be applied toward the WWCC degree or certificate program. Fourteen hours of the degree program must be completed through WWCC.
5. All grades of 'D' or better will transfer to WWCC except for freshman English, U.S. Government and the first college-level math class. GPA does not transfer or add into the WWCC cumulative (CUM). For those graduates who complete less than half of their credit at WWCC, the previous CUM's will be added into the CUM GPA to determine that a 2.00 GPA has been maintained.
6. WWCC does not accept religion courses.
7. Students may be required to submit course descriptions to prove equivalency if the content of any course is not readily apparent or a catalog is not on file with Registration & Records.
8. Credit from an institution on the quarter system is converted to semester hours (a quarter hour is two-thirds of a semester hour). Fractions of hours are **not** rounded up.
9. Coursework completed more than ten years ago is subject to review. All credit will transfer and will fulfill general education requirements. Prerequisite courses and courses requiring current knowledge for specialized and technical certificates or degrees will not be accepted. Students may challenge or retake these courses. Examples of specialized or technical requirements include:
 - a. Degree coursework (i.e. computer science courses for a student receiving an A.S. degree in Computer Science).
 - b. Any technical or specialized skill course required for a certificate program.
 - c. Courses requiring current knowledge prior to entry into the Nursing program (i.e. Anatomy and Physiology).

10. Students transferring U.S. Government courses from out-of-state will still be required to complete the Wyoming Government requirements for graduation.
11. Once a student submits an official transcript to WWCC, it becomes the property of the College and will not be released to a third party. If the student wants a copy of his/her record from another institution, he/she must request it directly from the college attended. This protects the student's rights as well as the credibility and integrity of the other institution and its transcripts.

INTERNATIONAL STUDENT ADMISSION

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

1. WWCC requires documentation of English ability:
 - 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.

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.
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 Academic Advising 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. This assignment is 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. 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 concurrent 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 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 crediting learning from appropriate military training and work experiences. SOC functions in cooperation with fifteen national higher education associations, the Department of Defense, and Active and Reserve Components of the military Services.

TRANSFER OF CREDITS

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

- 1. Acceptable Grades:** Grades of "C" or better are normally necessary to gain credit transferable to four-year schools. Some colleges and universities accept "D's". Students should check with the institution to which they plan to transfer.
- 2. Careful Selection of Courses:** A student must choose courses at Western Wyoming Community College which are required by the four-year school for the student's proposed major field of study. A student should check the catalog of that school and follow the program as closely as possible. If a course is numbered below the first listed course in a four-year program, credit will generally not be granted for the lower course.

3. Courses carrying a number less than 1000 after the department prefix (ENGL 0950) will not transfer or count toward WWCC transfer degrees.
4. Specialty courses listed under directed study, topics, cooperative education, or student leadership transfer at the discretion of the transferring institution.

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

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

TRANSFER AGREEMENTS WITH OTHER INSTITUTIONS

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

University of Wyoming	Kaplan University
Franklin University	Upper Iowa University
University of Utah	Weber State University (select majors)
Utah State University	National American University
Black Hills State	Mayville State
Chadron	Ashford University
University of Northern Colorado	Valley City State
Colorado State University	Idaho State University
Regis	Mesa State University
South Dakota School of Mines & Technology	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.
3. By having gained extra-institutional learning in courses and programs listed in the Cooperative Assessment of Experimental Learning of the Education Testing Service, Princeton, New Jersey; Guide to the Evaluation of Educational Experiences in the Armed Services and The National Guide to Credit Recommendations for Non-collegiate Courses published by the American Council on Education.
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 any person who wishes to be tested, however credit will only be transferred to WWCC transcripts for testing candidates with an active WWCC transcript. CLEP exams are administered on an individual basis, and are proctored in the Student Development Center. The Student Development Center should be contacted directly for more information on fees, subject tests, and scheduling. Students can also visit the CLEP website at www.collegeboard.com/CLEP
2. For any subject in which a CLEP Test is not available credit by exam may be an option (see below). Through examination, it is determined if the student's proficiency is equivalent to that which could be expected upon completion of a college level course in the subject. If the student is found to have this level of proficiency, he/she is awarded credit for that course and allowed to proceed with the more advanced course or with other courses in other areas. **The following stipulations apply:**
 - a. To qualify for credit by examination, the student must be enrolled at Western Wyoming Community College. **No credit by examination will be permitted during the last thirty days 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.

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 and classroom interaction, students form lifelong friendships with others who share their commitment to learning.

Honors Program students are selected each year through a process of application and essay. (See "Applying to the Honors Program" below.)

The college also offers eight to ten honors courses per year, which are open not just to Honors Program students but to other qualified students as well. (See "Enrolling in Honors Courses" below.)

Studying In The Honors Program

All students admitted to the Honors Program participate in a special Honors Introduction to Humanities Seminar. 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.

Honors Program students also pursue an individual research project, working closely with a faculty mentor. This project allows them to investigate a topic of their choice, become familiar with research methods, and develop their own expertise on a topic of personal interest, giving their education a highly individual stamp.

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

- are accepted and remain in the Honor's Program
- complete the Honors Introduction to Humanities seminar and at least three other honors courses
- maintain a grade point average of 3.25 or better

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

Applying To The Honors Program

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

A letter of recommendation from an instructor familiar with the applicant's achievements and potential is encouraged but not required. Applications are screened and selected in the spring for the following fall semester on the basis of academic records, letters of recommendation, and the application essay. Priority deadlines for application are April 1 for returning sophomores and May 10 for incoming freshmen. To get a copy of the application form, see the "Honors Program" page on the WWCC website (www.wvcc.wy.edu/programs/honors.htm) or contact Honors Program Director Rick Kempa (rkempa@wvcc.wy.edu; 382-1731; WWCC Room 1414).

Maintaining Eligibility In The Honors Program

Honors Program students are expected to:

- maintain a GPA of at least 3.25
- enroll in two honors courses per academic year

Any student who fails to maintain the required GPA has one semester on probation before being dropped from the Honors Program.

Transferring To Other Honors Program

Students who have participated in the WWCC Honors Program will be automatically accepted into the honors programs at the University of Wyoming, Weber State University, Utah State University, and numerous other colleges as well. In addition, colleges and universities throughout the nation recognize the Honors Program designation on a student's transcript as a sign of superior work.

Enrolling In Honors Courses

Each year, the Honors Program offers eight to ten Honors courses in a wide range of disciplines. These courses are designed to bring together talented students from all majors. Taught by some of Western's best faculty, they are innovative, intellectually stimulating, and limited in size.

Honors courses are open to:

- new freshmen with a 25 ACT, or 1700 ACT, or a 3.5 high school GPA
- students with a cumulative 3.25 GPA in college coursework
- recipients of WWCC Honors or Excellence in Academics scholarships
- students with instructor permission
- members of the Honors Program

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 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 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 is lengthy, so students should plan accordingly.

For WWC Foundation aid students must submit the Civic Grant application to the Financial Aid Office. As many 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: Grant money available to students attending approved post-secondary institutions. Application is made to and eligibility is determined by the Central Processing System.

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

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

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

Federal Direct Loan: Need-based federally subsidized loan to college students which are funded by the Federal Direct Loan Program. 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 or 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 disbursement.

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

INSTITUTIONAL AID PROGRAMS

Scholarships

WWCC's academic scholarship program is funded through a combination of resources-including WWCC institutional funds, the state of Wyoming's Hathaway Scholarship program, and the WWC Foundation.

WWCC Superior Student Scholarship: Awarded to students exhibiting academic excellence and requires a minimum GPA of 3.75 and ACT composite of 27, or SAT composite of 1830 (Critical Reading, Math, and Writing) to qualify. A personal interview is required, in addition to a personal essay and two supporting letters of recommendation. These scholarships are awarded for a four-semester period and provides in-state tuition, books, residence hall suite and limited board, up to \$6,000/year. 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: Stipend 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 stipend is an entitlement through July 1. After that point, out-of-state students no longer qualify and in-state students will receive the \$3,200 Hathaway award only. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

Performance: Stipend 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 stipend is an entitlement through July 1. After that point, out-of-state students no longer qualify and in-state students receive the \$2,400 Hathaway award only. For continuation, students must complete 12 credit hours per semester with a 2.5 GPA.

Opportunity: Stipend 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 stipend is an entitlement through July 1. After that point, out-of-state students no longer qualify. For continuation, students must complete 12 credit hours per semester with a 2.25 GPA.

Provisional Opportunity: Stipend awarded to high school seniors for four consecutive semesters. Requires a minimum 2.5 high school GPA and ACT composite of 17 or Workkeys score of 12. This \$1,600 stipend 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: A four semester stipend awarded to students that graduated from a Sweetwater County high school in 2006 or after. This \$2,100 stipend requires that applicants file the FAFSA, complete the financial aid application process and attend WWCC full-time. For continuation, students must complete 12 or more credit hours per semester with a 2.5 GPA.

Transfer: A four semester stipend 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 stipend requires that the student has a minimum 3.50 college GPA and completed a minimum of 12 college credit hours. For continuation, students must complete 14 credit hours per semester with a 3.0 GPA.

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

Non-traditional Student: A four semester stipend 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 stipend 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 stipend 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 stipend 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. Most financial aid awards are done on an academic year basis; 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 GPA. The minimum standards per semester for credits are outlined below:

STATUS:

Enrollment	Credits	Progress
12 + credits	12 or more	Satisfactory
	6-11	Probation
	0-5	Suspension
9-11 credits	9 or more	Satisfactory
	6-8	Probation
	0-5	Suspension
6-8 credits	6-8	Satisfactory
	0-5	Suspension

Financial Aid Probation: Probation is a warning that the student has not completed the minimum credits for which they were awarded. Students who are on probation may still receive financial aid. First time freshman will be placed on probation 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 student's FFEL lender, Perkins and any other Title IV aid loan account, then successively (if funds remain) to the Pell Grant. No repayment to a fund may exceed the amount the student received from that fund. Any unassigned refund will be paid to the student.
5. **Overpayments:** If the student described above received Title IV Grant and scholarship funds in excess of tuition, book allowance, housing, and board payments made to Western Wyoming Community College, such excess constitutes an overpayment to the student if it exceeds the standard living cost allowance for the student's period of attendance. If an over payment has been made, the student will be billed for repayment of that amount. Within the scholarship category, repayments to the respective funds will be made in the same proportion as awards were received from those funds. Within the Title IV category, repayments will be prioritized with repayment successively to the Pell Grant fund, SEOG fund, and the LEAP fund. No repayment to a fund may exceed the amount the student received from that fund.

VERIFICATION POLICIES AND PROCEDURES FOR FEDERAL STUDENT AID APPLICATIONS

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

2. Notice of verification requirement

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

3. Deadline for submission of verification documents

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

4. Consequences of failure to comply with verification requirements

Should the applicant fail to provide required documentation within the specified time period, the Financial Aid Office must consider the application invalid, and the applicant will forfeit eligibility for assistance from the federal Title IV 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 probation. Students on probation have one semester in which to perform satisfactorily. If they do not meet the above standards during the probationary semester, they are not certified for VA benefits during the following semester or semesters.
4. They must verify that they have been attending class by submitting a certification of VA enrollment form. This form is mandatory and must be submitted to the Financial Aid Office before the fifth of each month.
5. They must advise the VA Representative in the Financial Aid office of any course changes (drops/adds) within 10 days of the changes. Failure to provide certification of VA enrollment form or not advising VA Representative of course changes, could result in non-certification of a student's courses with the Veterans' Administration.

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

STUDENT RIGHTS

PRIVACY RIGHTS OF STUDENTS (FERPA)

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

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

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

1. Right to inspect and review educational records within 45 days of the day the request is received. Submit your request in writing to Registration & Records. Please be sure to identify all records you wish to review. Only records originating at Western Wyoming Community College will be copied for the student. We will not copy transcripts from other schools, or other information, originating elsewhere.
2. Right to seek to amend educational records. If you think that something in your file is inaccurate, you may make a written request to have that record changed. Supporting documentation must be provided. We will notify the student in writing when the decision is made whether the record will be amended.
3. Right to have some control over the disclosure of information from educational records except to the extent that FERPA authorizes disclosure without consent. WWCC officials with legitimate educational interests may view a student's records. This includes student or Board of Trustees members of disciplinary or grievance committees.
4. Right to file a complaint with the U.S. Department of Education concerning alleged failures by WWCC to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are:
 Family Policy Compliance Office
 U.S. Department of Education
 400 Maryland Ave., SW
 Washington, DC 20202-4605

DIRECTORY INFORMATION

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

Name	Address(es)
Phone Number(s)	E-mail Address
Major	Full-time or Part-time
Dates of Attendance	Degrees/Awards
Photographs	Weight and height of athletes
Participation in officially recognized activities and sports	Class lists used within on-line courses Honors and Awards

Again, all releases are based in the privacy code attached to the student. Under no circumstances are social security number or other identifying student numbers released without consent.

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 V.P. for Administrative Services, WWCC Administrative Offices, P.O. Box 428, Rock Springs, WY 82902-0428, (307) 382-1609; 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 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 57 percent of WWCC degree-seeking students complete their degree within three years of their start. Of that group, 81 percent transfer immediately after graduation and sixteen percent transfer without receiving their degree. Contact the V.P. for Student Success Services for more detailed information on graduation rates.

COSTS OF ATTENDING

Estimated Annual Cost

	IN-STATE	WUE*	OUT-OF-STATE
Tuition & Required Fees.....	\$2,082	\$2,946	\$5,490
Books & Supplies.....	\$1,000	\$1,000	\$1,000
Board (10-meal plan).....	\$1,826	\$1,826	\$1,826
Average Room (on-campus).....	\$2,072	\$2,072	\$2,072
Estimated Annual Expense.....	\$6,980	\$7,844	\$10,388

*Western Undergraduate Exchange (WUE), see page 28.

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)..... \$1041

Part-time (11 hours or less)..... \$88/hr

Out of State

Full-time (12 hours or more)..... \$2,745

WUE State Residents (Full-time)..... \$1,473

Part-time Out-of-State

(11 hours or less) \$230/hr

Part-time (WUE)..... \$124/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: \$71/hr

Out-of-State: \$213/hr

WUE: \$107/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:

ACCT	All courses*	20	CHEM	All lab courses*	35
ART 1000	General Art*	7	CMAP	All courses* (exc. CMAP 0910)	25
ART 1120	Design: 3D*	30	CMPT	All courses*	25
ART 1150	Photography I*	14	COMM 2300	Graphic Design I*	10
ART 1160	Photography II*	14	COMM 2330*	Graphic Design II*	10
ART 1176	Non Traditional Photography*	20	COSC	All courses*	25
ART 1310	Sculpture I*	80	DESL	All courses*	25
ART 2050	Life Drawing*	15	ELAP1515-1585	Elec. Apprenticeship I-VIII*	100
ART 2090	Printmaking*	10	ELTR	All courses*	20
ART 2120	Graphic Design I*	10	ENGL 1010	English Composition*	26
ART 2130	Graphic Design II*	10	ES 1000	Orient to Engineering*	25
ART 2150	Color Photography I*	50	ES 1060	Engineering Computing*	20
ART 2410	Ceramics I*	35	ES 1070	Solid Modeling I*	35
ART 2420	Ceramics II*	45	ES 2230	Computer Aided Drafting*	35
ART 2430	Ceramics III*	50	ES 2240	Adv. Comp. Aided Drafting*	35
ART 2440	Ceramics IV*	60	GEOL	All lab courses*	20
ART 2445	Ceramics Studio*	60	HLED 1225	First Aid & CPR*	18
ART 2485	Special Projects in Ceramics*	60	HLTK 1650	Adv. CPR/AED for Professionals*	18
AUTO	All courses*	25	INDM	All courses*	20
BAS	All courses*	5	INDM	Online INDM Program/12mo	895
BIOL	All lab courses*	35	MCH	All courses*	20
BIOL 2080	Psychobiology*	22	MOA	All courses*	25
BIOL 1210	Wyoming Flora*	30	MOLB 2210	General Microbiology*	35
BIOL 1220	Birding*	30	MUSC	Applied Music 1/2 hr lesson	100
BOTK	All courses*	25	MUSC	Applied Music 1 hr lesson	200

Fees continued on next page →

Costs

NRST 1510	Cert. Nurse Assistant*	21
NRST 1555	Practical Nursing I*	27
NRST 1565	Practical Nursing II*	23
NRST 1575	Practical Nursing III*	38
NRST 1610	Nursing I*	31
NRST 1620	Nursing II*	66
NRST 1985	Practical Nursing Roles*	35
NRST 2630	Nursing III*	61
NRST 2640	Nursing IV*	35
OGPT	All Courses*	20
PEAC	Wellness Ctr, pool, Aux Gym and Weight Room courses*	15
PEAC	All outdoor courses	10
PEAC 1015	Beginning Skin & Scuba*	90
PEAC 1021	Beginning Kayaking*	80
PEAC 1022	Intermediate Kayaking*	80
PEAC 1029	Core Board (GRC)*	15
PEAC 1050	Beginning Tennis*	10
PEAC 1254	Snowboard Riding*	20
PEAC 1258	Downhill Skiing I*	20
PEAC 1260	Beginning Volleyball*	10
PEAC 1264	Beginning Softball*	10
PEAC 1280	Fly Fishing I*	25
PEAC 1287	Rock Climbing I*	20
PEAC 1290	Physical Conditioning*	15
PEAC 1297	Whitewater Rafting*	54
PEAC 1320	Big Game Habitat Skills*	75
PEAC 2012	Advanced Scuba Diving*	90
PEAC 2017	Water Safety Instructor*	25
PEAC 2018	Lifeguard Training*	25
PEAC 2058	Downhill Skiing II*	20
PEAC 2072	Advanced Volleyball*	10
PEAC 2088	Rock Climbing II*	20
PEAC 2280	Fly Fishing II*	25
PSYC 2000	Research Psych Methods*	5
PSYC 2080	Psychobiology*	22
TECH 1550	General Metallurgy*	15
TECH 1600	Industrial Safety*	15
TECH 1680	Reading Technical Schematics*	15
WELD 1710	Oxyacetylene Welding	45
WELD 1715	Oxyacetylene Cutting	45
WELD 1755	Shielded Metal Arc Welding	67
WELD 1760	Adv. Shielded Metal Arc Weld	67
WELD 1770	Gas Metal Arc Welding	90
WELD 1774	GMAW - Pipe	112
WELD 1776	FluxCored Arc Welding	112
WELD 1780	Gas Tungsten Arc Welding	112
WELD 1840	Groove Welding Plate	112
WELD 1860	Welding Fabrication	80
WELD 1950	SMAW Stainless Steel Basic	112
WELD 1960	Submerged Arc Welding	67
WELD 2510	Pipe Welding I: Sch 40 Pipe	120
WELD 2520	Pipe Welding II: Sch 80 Pipe	135
WELD 2530	Downhill Pipe Welding	120
WELD 2540	Pipe Layout & Fabrication	90
WELD 2630	Welding for the Arts I	55
WELD 2635	Welding for the Arts II	55
WELD 2650	Gas Tungsten Arc - Pipe	135
WELD 2660	Stainless Steel Pipe Welding	135
WELD 2670	Welding Inspect. Tech	55
WELD 2810	Welding Testing Training	55

* 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 CMAP 0910)	35
Compressed Video Course*	18
Rental fees for Distance Ed Courses	
Microscope (BIOL)	110

Outreach Exceptions to Fees

ART 1150 Evanston*	25	
ART 2410 Afton	0	
BAS, All Courses Rawlins	0	
CMAP	Afton, Big Piney, Medicine Bow, Mountain View, Lyman, Encampment, Saratoga, Hanna, Elk Mountain	0
CMAP 1905 Mountain View	0	
COSC 1200 Mountain View, Lyman, Saratoga	0	
HLTK 1630 Afton*	7	
HLTK 1650 Afton*	7	
MUSC 2073 Afton*	10	
MUSC Applied Courses, Afton	0	
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)	88, 124, 230
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/cr 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)
Outdoor Equipment Rental Fee	5
Pottery, Non-credit (Initial Fee)*	48
Each additional lb. of clay	
(Paid in \$10 increments)	80
Residence Hall Activity Fee*	5
Residence Hall Computer Fee*	7.50
Swimming Pool Fees	
Semester Fees for Non-students (including College Employees)	
General Pass (individual)	40/semester
General pass (family)	70/semester
Per Session Admission	2.00
Punch Passes (10)	20.00
Students (show I.D.)	Free
Transcripts	Free
WELD Directed Study (in addition to 75) 44/hr	
Wellness Center	
Students & Employees	15/semester
Community Members	50/semester
Testing Fees	
Contact the Director of Testing, in the Student Development Center, for Fees for specific tests.	

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:

1. A graduate of a Wyoming high school or recipient of a GED in Wyoming who enrolls in a community college within twelve months of either high school graduation or GED completion;
2. An individual who can provide written verification that he/she has lived in Wyoming continuously for one year prior to enrolling;
3. A legal dependent under the age of 24, or a spouse of a resident of the State of Wyoming who qualified as a resident based upon this policy;
4. A legal dependent under the age of 24 of a Wyoming community college graduate;
5. A student who marries a Wyoming resident shall be granted resident classification at the beginning of the next term following the marriage;

6. Active Wyoming National Guard members and U.S. Armed Forces members stationed in Wyoming, and their dependants.
7. Members of the United States Armed Forces who move to Wyoming within 12 months from the date of honorable discharge from the service.
8. An individual who can provide written verification from an employer that he/she will be employed in Wyoming for an anticipated period of not less than seven months, and such employment is the principal means of support. This letter must be on company stationery, signed by the owner, manager or personnel department and must indicate the date the employee started, his/her status (full or part-time) and the expectation that the person will be employed at least seven months.
9. Persons temporarily absent from the state due to military services, attendance at educational institutions, or other types of documented temporary absences will not have their resident status void by such absence;
10. People who do not reside in Wyoming but who meet the following criteria will be considered resident students:
 - a. Has been employed in Wyoming for at least seven months, and such employment is the principal means of support;
 - b. Pays Wyoming taxes as required by law;
 - c. Resides in a state with a similar law; and
 - d. Is willing to submit an affidavit to the above.

Any questions or concerns about the residency policy should be addressed to the Registrar in 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) 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.

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.

Career Guidance Services

Career guidance is available through the Student Development 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.

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.

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), Test of English as a Foreign Language (TOEFL), Nurse Entrance Test (TEAS-V), Practical Nurse General Achievement Profile (LPN-STEP), and the Certified Professional Secretary Exam (CPS). Information and registration forms are available from the SDC. The Student Development 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 Student Development Center for a small fee. Contact the SDC directly to set a test proctoring appointment.

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.

Job Placement Services

WWCC provides full and part-time job referral services. Career Services and Job Placement office offers a wide variety of employment and career services and assists students /graduates with locating full and part-time jobs. The Center houses a complete computer lab for use in 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.

Career Services and Job Placement 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 Student Development Center's Internship Coordinator 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 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 549.

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 Housing 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 ordinarily 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, in care of WWCC.

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. During the summer session and on days SWSD #1 is closed, the Center provides care for students Kindergarten-grade 4. The Children's Center divides children into four groups: "Bunnies," "Bears," "Turtles," and "Mustangs." Each class is staffed by qualified teachers and aides. Each parent is asked to fill out a registration card and enrollment packet. In addition, students must provide a copy of their schedule and an immunization record.

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

STUDENT INSURANCE

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

BOOKSTORE

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

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

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

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

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

New book prices are established by the publisher. The Bookstore will make every effort to have used textbooks available.

The Bookstore 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.

WYLDCAAT (Wyoming Libraries Database Catalog on the Web) offers bibliographic access to all materials in the library's collections.

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. - 6:00 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.wvcc.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.
 - a. 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).

Academic Policies

- b. 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.
 - c. 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.
 Students who return to WWCC after the suspension is lifted will reenter on probation status.
- 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

A student enrolled at Western Wyoming Community College is expected to attend all class sessions of each course in which he/she is enrolled. Class attendance is viewed as an important part of successful achievement in the individual courses and in the entire college program. It is expected that all students will arrange with their instructors to make up all work missed during excused absences. Instructors may drop a student from class for excessive absenteeism. Each instructor explains the attendance policy for his/her classes in the syllabus.

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 & PLAGIARISM

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

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

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

CLASS STANDING

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

COURSE LOADS

Students at Western Wyoming Community College may enroll as either full-time or part-time students. For fee purposes, a full-time student takes twelve semester hours or more and a **part-time** student takes eleven or fewer semester hours. Any student who attempts more than 18 hours must obtain the signature of his/her faculty advisor and the Registrar in Registration & Records or the VP for Student Success Services at the time of registration. **No student may enroll for more than 22 hours without petitioning for approval from his/her faculty advisor, the Registrar, VP for Student Success Services, or the VP for Student Learning. Overload fees are charged for over 21 hours.**

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

COURSES

Adding Courses

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

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

Auditing Courses (Taking a Credit Course for No Credit)

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

Course Prerequisites

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

Dropping Courses

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

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

Following the drop deadline, a student may not withdraw from courses except in very unusual circumstances that involve severe medical, emotional or personal problems. Emergency withdrawals are for all, not selected, courses. Students must request in writing this type of withdrawal. In the case of a medical reason, a doctor's excuse is necessary. All requests will require documentation. Such instances will require approval of the Registrar in Registration & Records and the concerned instructor. No withdrawals will be permitted during the final week of the semester or after a semester is over. **Although the following procedure may be initiated by 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 Calander (see inside front cover) and on the WWCC web page. **A student who fails to take a final examination may receive an "F" for that course unless previous arrangements have been made with the instructor. As a matter of college policy, no student may take an early final examination.**

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

GRADES

Grading System

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

Grade	Points
A.....Excellent	4
B.....Very Good.....	3
C.....Acceptable.....	2
D.....Barely Passing.....	1
F.....Failure.....	0
I.....Incomplete	
W.....Withdrawal	
S.....Satisfactory	
U.....Unsatisfactory	
AU.....Audit (No Credit)	
NG.....Non-graded course	

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

Incompletes

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

- It is the student’s responsibility to initiate this process, but an Incomplete is assigned solely at the instructor’s discretion.
- Student must be passing the course with a “C” or better at the mid-point of the course.
- Incomplete coursework must be completed by the end of the following semester.

Instructor can renew an Incomplete for an additional semester at his/her discretion.

The student, however, must initiate the request for an extension before the deadline.

- If the work is not satisfactorily completed by the designated deadline, the “I” will revert to the grade of “F”.
- Incompletes must be completed with the instructor who issued the original grade.

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

S/U Grades

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

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

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

Grade Point Average

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

Semester Hours	Grade	Points	Divide the total points by semester hours: 47/14 = 3.35 GPA
English.....3	A (3x4)	12	
Political Science3	B (3x3).....	9	
Mathematics.....3	C (3x2).....	6	
History3	A (3x4).....	12	
College Studies..... 2	A (2x4).....	8	
14		47	

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

Change of Grades

Grades may be changed for the following reasons:

1. If a mistake has been made in the computing or recording of a grade for any student, that student should ask his/her instructor to submit to the Vice-President of Student Learning a completed change of grade form. With the V.P.’s approval, the student’s record will then be corrected by Registration & Records. Only one subsequent semester is allowed for grade changes. After that time, the grade stands as originally 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.wgcc.wy.edu. Semester grades are mailed only to students on academic alert, probation or suspension unless otherwise requested. Students requesting hard copies may contact Registration & Records.

SCHEDULING

Curriculum

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

Shift Workers

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

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

STANDARDS OF STUDENT CONDUCT

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

Appropriate Student Behavior in the Learning Environment

One of the College's goals is to See Issues from Multiple Perspectives. Therefore, part of a course may involve hearing and reading perspectives different from 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."

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.

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.wvcc.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 on-line 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.wvcc.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 required). If a student is encumbered to the institution, transcripts will be withheld until full payment is made.

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

One week notice is required on all transcript requests. Emergency cases will be considered on an individual basis by Registration & Records.

Graduation, Degrees, and General Education

Academic Information



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.

<u>Graduation (Completion)</u>	<u>Application Deadline</u>
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 from WWCC with a degree must participate in assessment of student learning. Students must complete one of the following options.

1. Assessment Portfolio or an approved Department specific Portfolio/Capstone course;
2. Assessments given on Assessment Day; Alternate assessment times will be provided only in the event of a documented emergency.

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, 22-28 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

General Education Requirements:

English (ENGL 1010 & 1020, 1111, or 2010)	6 credits
Students must achieve a “C” or better grade in each course.	
United States Government	3 credits
Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, HIST 1251, or ECON 1200. State law requires students to successfully complete a course in the United States and Wyoming Constitutions. Students must achieve a “C” or better grade.	
Social Science	6 credits
Humanities & Applied Arts	9 credits
Students must complete at least one course in the humanities grouping and one in the applied arts grouping. Students should be aware that many four-year institutions require two to four semesters of a foreign language.	
Health & Human Activity	2 credits
Students may select courses from activity courses (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.	
Science and Mathematics	7-9 credits
One course must be a laboratory science from the biology, geology, chemistry, or physics areas. One course must be a college-level (1000+) math class. Students must achieve a ‘C’ or better grade in the Math course.	
Computer Course	3 credits
This course may be chosen from programming or applications courses only. Eligible courses: CMAP 1705, 1750, 1800, 1905, COSC 1010, 1200, ES 1060, IMGT 2400, ITEC 2360	
Assessment	0-1 credits
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific Capstone course, Assessment Portfolio (HMDV 2410) or by attending the designated Assessment Day (transcribed as HMDV 2411).	
Total General Ed. Requirements	36-42 credits
Major Area Coursework Electives	22-28 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, 23-27 credits are designated for major area coursework and electives. The student, therefore, has considerable flexibility in choosing courses.

General Education Requirements:

English (ENGL 1010 & 1020, 1111, 2010)	6 credits
Students must achieve a "C" or better grade in each course.	
United States Government	3 credits
Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, HIST 1251, or ECON 1200. State law requires students to successfully complete a course in the United States and Wyoming Constitutions. Students must achieve a "C" or better grade.	
Social Science, 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. One course must be a college level (1000+) mathematics course with a "C" or better grade.	
Computer Course	3 credits
This course may be chosen from programming or applications courses only. Eligible courses: CMAP 1705, 1750, 1800, 1905, COSC 1010, 1200, ES 1060, IMGT 2400, ITEC 2360	
Assessment	0-1 credits
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific Capstone course, Assessment Portfolio (HMDV 2410) or by attending the designated Assessment Day (transcribed as HMDV 2411).	
Total General Education Requirements	37-41 credits
Major Area Coursework, Electives	23-27 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 | |

Degree Requirements

REQUIREMENTS FOR THE ASSOCIATE OF FINE ARTS DEGREE

Every student must complete a minimum of 85 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 Programs of Study section beginning on page 129.

REQUIREMENTS FOR THE ASSOCIATE DEGREE IN NURSING

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

Course requirements can be found in the Programs of Study section, page 86.



**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 Mechanics
- Electrical & Instrumentation Technology
- Industrial Maintenance
- Human Services
- Industrial Health & Safety
- Industrial Maintenance
- Law Enforcement
- Medical Office Assistant
- Mining Maintenance Technology
- Natural Gas Compression Technology
- Office Information Systems
- Oil & Gas Production Technology
- Welding Technology

General Education Requirements:

English	6 credits
Students must complete ENGL 1010 & 1020, 1111 or 2010.	
Students must receive a “C” or better grade in each course.	
United States Government	3 credits
Students may fulfill this requirement by completing POLS 1000, HIST 1211, HIST 1221, HIST 1251, or ECON 1200. State law requires students to successfully complete a course in the United States and Wyoming Constitution. Students must receive a “C” or better grade.	
Social Science, Humanities, Applied Arts	3 credits
Students must complete one course from one of the three areas above.	
Computer Course	3 credits
This course may be chosen from programming or applications courses only.	
Eligible courses: CMAP 1705, 1750, 1800, 1905, COSC 1010, 1200, ES 1060, IMGT 2400, ITEC 2360	
Health & Human Activity	2 credits
Students may select courses from activity courses (PEAC courses), dance, nutrition, and wellness. Students who served in the military may receive two credits upon submission of their DD-214.	
Science and/or Mathematics	3-4 credits
Students must complete a college level math or science course	
Assessment	0-1 credit
Students must complete the WWCC assessment requirement for graduation. They may do so by taking a department-specific capstone course, Assessment Portfolio (HMDV 2410) or by attending the designated Assessment Day (transcripted as HMDV 2411).	
Total General Education Requirements	20-24 credits
Degree Area Coursework	24 credits
All 24 hours must be completed in the major area department.	
Directly Related Coursework	12 credits
Coursework must be in the same division or be a Curriculum Committee approved course for the related area.	
Electives	5-8 credits
Total Hours Required	64 credits minimum

- A cumulative Western Wyoming Community College grade point average of 2.00 or better must be maintained for graduation.
- Students may use a maximum of five hours of less than 1000 level coursework for electives (example: DVST 0900).
- No courses taken from WWCC for “S/U” grades may be used for hours for graduation, except CLEP, credit by exam, military credit, and S/U courses approved for graduation.
- A maximum of six hours of studies or workshops (2490, 2495, 2990, or 2995) coursework may be applied toward the Associate of Applied Science Degree (example: WELD 2995).
- At least 14 hours of coursework must be completed through Western Wyoming Community College.
- A maximum of six hours of internship allowable toward graduation.

GENERAL EDUCATION

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 pages 49-52 for the requirements for each Associate degree and policies 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 2011-2012 catalog. Courses taken previously may not be listed though may count towards graduation.

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

ENGLISH

ENGLISH I

ENGL 1010 ENGLISH COMPOSITION I.....3 CREDITS

ENGLISH II

ENGL 1020 ENGLISH COMPOSITION II.....3 CREDITS
ENGL 1111* ADVANCED COMPOSITION3 CREDITS
ENGL 2010* TECHNICAL WRITING.....3 CREDITS

UNITED STATES GOVERNMENT

ECONOMICS

ECON 1200 ECONOMICS, LAW & GOVERNMENT.....3 CREDITS

HISTORY

HIST 1211* U.S. HISTORY I: TO 18653 CREDITS
HIST 1221* U.S. HISTORY II: FROM 1865.....3 CREDITS
HIST 1251* WYOMING HISTORY.....3 CREDITS

POLITICAL SCIENCE

POLS 1000 AMERICAN & WYOMING GOVT3 CREDITS

SOCIAL SCIENCE

ANTHROPOLOGY

ANTH 1100 INTRO TO PHYSICAL ANTHROPOLOGY.....3 CREDITS
ANTH 1200 INTRO TO CULTURAL ANTHROPOLOGY.....3 CREDITS
ANTH 1250 INTRO TO WYOMING ARCHAEOLOGY.....2 CREDITS
ANTH 1300 INTRO TO ARCHAEOLOGY.....3 CREDITS
ANTH 2200 WORLD ETHNOGRAPHY.....3 CREDITS
ANTH 2210 NORTH AMERICAN INDIANS.....3 CREDITS
ANTH 2311 PREHISTORIC ARCH. FIELD METHODS.....1-4 CREDITS
ANTH 2312 HISTORICAL ARCH. FIELD METHODS.....1-4 CREDITS

CRIMINAL JUSTICE

CRMJ 1550 COMMUNITY RELATIONS.....3 CREDITS
CRMJ 1900 INTRO TO LAW ENFORCEMENT.....3 CREDITS
CRMJ 2120 INTRO TO CRIMINAL JUSTICE.....3 CREDITS
CRMJ 2210 CRIMINAL LAW I.....3 CREDITS
CRMJ 2220 CRIMINAL LAW II.....3 CREDITS
CRMJ 2400 CRIMINOLOGY.....3 CREDITS
CRMJ 2420 JUVENILE JUSTICE.....3 CREDITS
CRMJ 2450 ETHICS IN CRIMINAL JUSTICE.....3 CREDITS
CRMJ 2460 POLITICAL CRIME.....3 CREDITS

SOCIAL SCIENCE CONTINUED

CRMJ 2550	CRIMINAL INVESTIGATION I.....	3 CREDITS
CRMJ 2560	CRIMINAL INVESTIGATION II.....	3 CREDITS
CRMJ 2580	CRISIS INTERVENTION (MGT).....	3 CREDITS
CRMJ 2590	DRUGS & CRIMINAL JUSTICE.....	3 CREDITS

ECONOMICS

ECON 1010	MACROECONOMICS	3 CREDITS
ECON 1020	MICROECONOMICS	3 CREDITS

EDUCATION

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

GEOGRAPHY

G&R 1000	INTRO. TO GEOGRAPHY.....	3 CREDITS
G&R 1050*	INTRO. TO NATURAL RESOURCES.....	3 CREDITS

HEALTH/PHYSICAL EDUCATION

HLED 1003*	WELLNESS	3 CREDITS
PEPR 2120	INTRO. TO EXERCISE PHYSIOLOGY.....	4 CREDITS
PEPR 2130	FITNESS LEADERSHIP TRAINING I.....	3 CREDITS

HISTORY

HIST 1110*	WESTERN CIVILIZATION I.....	3 CREDITS
HIST 1120*	WESTERN CIVILIZATION II	3 CREDITS
HIST 1211*	U.S. HISTORY I: TO 1865	3 CREDITS
HIST 1221*	U.S. HISTORY II: FROM 1865.....	3 CREDITS
HIST 1251*	WYOMING HISTORY.....	3 CREDITS
HIST 1290	HISTORY OF THE U.S. WEST.....	3 CREDITS
HIST 1340	SWEETWATER COUNTY HISTORY	2 CREDITS
HIST 1350	INTRODUCTION TO PUBLIC HISTORY.....	3 CREDITS
HIST 1360	LIVING HISTORY.....	1-4 CREDITS
HIST 1410	ENVIRONMENTAL HISTORY	3 CREDITS
HIST 2040	CHINESE CIVILIZATION	3 CREDITS
HIST 2060	HOLOCAUST IN EUROPE: 1933-45.....	3 CREDITS
HIST 2290	HISTORY OF AMERICAN INDIANS.....	3 CREDITS
HIST 2310	AMERICAN WOMEN'S HISTORY	3 CREDITS

HOME ECONOMICS

HOEC 1140*	NUTRITION.....	3 CREDITS
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POLITICAL SCIENCE

POLS 1000*	AMERICAN & WYOMING GOVT.....	3 CREDITS
POLS 1200	NON-WESTERN POLITICAL CULTURES	3 CREDITS
POLS 2000	CURRENT ISSUES IN AMERICAN GOVT.	3 CREDITS
POLS 2128	TERRORISM.....	3 CREDITS
POLS 2310	INTRO TO INTERNATIONAL RELATIONS	3 CREDITS
POLS 2320	MODERN MEXICO: POLITICS & SOC	3 CREDITS
POLS 2470	GOVERNMENT INTERNSHIP I.....	VARIES
POLS 2471	GOVERNMENT INTERNSHIP II.....	VARIES

SOCIAL SCIENCE CONTINUED

PSYCHOLOGY

PSYC 1000	GENERAL PSYCHOLOGY.....	4 CREDITS
PSYC 1300	DOMESTIC VIOLENCE/SEX ASSAULT	2 CREDITS
PSYC 2000	RESEARCH PSYCHOLOGY METHODS	4 CREDITS
PSYC 2050	INTRODUCTORY COUNSELING.....	3 CREDITS
PSYC 2080*	PSYCHOBIOLOGY	4 CREDITS
PSYC 2210	DRUGS AND BEHAVIOR	3 CREDITS
PSYC 2300	DEVELOPMENTAL PSYCHOLOGY	3 CREDITS
PSYC 2330	PSYCHOLOGY OF ADJUSTMENT.....	3 CREDITS
PSYC 2340	ABNORMAL PSYCHOLOGY I.....	3 CREDITS
PSYC 2380	SOCIAL PSYCHOLOGY I.....	3 CREDITS
PSYC 2470	PSYCHOLOGY INTERNSHIP I	VARIABLES

SOCIOLOGY

SOC 1000	SOCIOLOGICAL PRINCIPLES.....	3 CREDITS
SOC 1080	INTRO TO WOMEN'S STUDIES.....	3 CREDITS
SOC 1100	SOCIAL PROBLEMS.....	3 CREDITS
SOC 2000	INTRO TO SOCIAL WORK.....	3 OR 4 CREDITS
SOC 2200	HUMAN SEXUALITY	3 CREDITS
SOC 2325	MARRIAGE & THE FAMILY	3 CREDITS
SOC 2350	RACE & ETHNIC RELATIONS.....	3 CREDITS
SOC 2470	SOCIOLOGY INTERNSHIP I.....	VARIABLES

HUMANITIES

ART

ART 1000	GENERAL ART	3 CREDITS
ART 2010 & 2020	ART HISTORY I & II.....	3 CREDITS EACH

COMMUNICATIONS

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

ENGLISH

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

FOREIGN LANGUAGE

FREN 1010 & 1020	FIRST YEAR FRENCH I & II	4 CREDITS EACH
GERM 1010 & 1020	FIRST YEAR GERMAN I & II.....	4 CREDITS EACH
SPAN 1010 & 1020	FIRST YEAR SPANISH I & II.....	4 CREDITS EACH
SPAN 1070	SPANISH FOR HEALTH CARE PERSONNEL.....	2 CREDITS
SPAN 2030 & 2040	SECOND YEAR SPANISH I & II	4 CREDITS EACH

HISTORY

HIST 1110* & 1120*	WESTERN CIVILIZATION I & II	3 CREDITS
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HUMANITIES

HUMN 1010	INTRO. TO HUMANITIES (HONOR'S).....	3 CREDITS
HUMN 2486	WESTERN AMERICAN STUDIES SEMINAR:	3 CREDITS

HUMANITIES CONTINUED

LIBRARY SCIENCE

LIBS 2280 LITERATURE FOR CHILDREN.....3 CREDITS

MUSIC

MUSC 1000 INTRO TO MUSIC.....3 CREDITS

MUSC 2015 INTRO TO MUSIC OF THE WORLD.....3 CREDITS

MUSC 2050 & 2055 MUSIC HISTORY SURVEY I & II.....3 CREDITS EACH

PHILOSOPHY

PHIL 1000 INTRODUCTION TO PHILOSOPHY.....3 CREDITS

PHIL 2300 ETHICS.....3 CREDITS

PHIL 2310 PHILOSOPHY OF RELIGION.....3 CREDITS

PHIL 2315 COMPARATIVE RELIGIONS.....3 CREDITS

THEATRE

THEA 1000 INTRO. TO THEATRE.....3 CREDITS

THEA 1120 AMERICAN MUSICAL THEATRE HIST & LIT.....3 CREDITS

THEA 2120 ORAL INTERPRETATION.....3 CREDITS

APPLIED ARTS**ART**

ART 1005 DRAWING I.....3 CREDITS

ART 1110 DESIGN: 2D.....3 CREDITS

ART 1120 DESIGN: 3D.....3 CREDITS

ART 1130 DESIGN: COLOR.....3 CREDITS

ART 1150 PHOTOGRAPHY I.....3 CREDITS

ART 1160 PHOTOGRAPHY II.....3 CREDITS

ART 1176 NONTRADITIONAL PHOTOGRAPHY.....3 CREDITS

ART 1178 DIGITAL IMAGING I.....3 CREDITS

ART 1250 WATER BASED MEDIA I.....3 CREDITS

ART 1310 SCULPTURE I.....3 CREDITS

ART 2005 DRAWING II.....3 CREDITS

ART 2050 LIFE DRAWING I.....3 CREDITS

ART 2090 PRINTMAKING I.....3 CREDITS

ART 2095 PRINTMAKING II: INTAGLIO.....3 CREDITS

ART 2120 GRAPHIC DESIGN I.....3 CREDITS

ART 2150 COLOR PHOTOGRAPHY I.....3 CREDITS

ART 2175 PHOTOGRAPHY STUDIO.....1-3 CREDITS (6 MAX.)

ART 2210 PAINTING I.....3 CREDITS

ART 2220 PAINTING II.....3 CREDITS

ART 2230 PAINTING III.....3 CREDITS

ART 2410 CERAMICS I.....3 CREDITS (6 MAX.)

ART 2420 CERAMICS II.....3 CREDITS (6 MAX.)

ART 2430 CERAMICS III.....3 CREDITS (6 MAX.)

ART 2440 CERAMICS IV.....3 CREDITS (6 MAX.)

ART 2445 CERAMICS STUDIO.....1-3 CREDITS

ART 2479-2489 SPECIAL PROJECTS IN ART.....VARIES

COMMUNICATIONS

COMM 1010 PUBLIC SPEAKING.....3 CREDITS

COMM 1200 SIGNING EXACT ENGLISH I.....2 CREDITS

COMM 1370, 1375, 2370, 2375 PUBLICATION PRODUCTION I - IV.....1-3 CREDITS EACH

COMM 2100 REPORTING & NEWSWRITING.....3 CREDITS

COMM 2110 NONVERBAL COMMUNICATION.....3 CREDITS

COMM 2300 GRAPHIC DESIGN I.....3 CREDITS

COMM 2470 INTERNSHIP IN JOURNALISM.....VARIES

APPLIED ARTS CONTINUED

ENGLISH

ENGL 1111*	ADVANCED COMPOSITION.....	3 CREDITS
ENGL 2010*	TECHNICAL WRITING.....	3 CREDITS
ENGL 2040	CREATIVE WRITING:.....	3 CREDITS
ENGL 2050 & 2060	CREATIVE WRITING: PROSE I & II.....	3 CREDITS EACH
ENGL 2064	CREATIVE WRITING: JOURNALING	3 CREDITS
ENGL 2065	CREATIVE WRITING: MEMOIR WRITING	3 CREDITS
ENGL 2080 & 2090	CREATIVE WRITING: POETRY I & II.....	3 CREDITS EACH

MUSIC

MUSC 1010	MUSIC FUNDAMENTALS.....	3 CREDITS
MUSC 1030 & 1040	WRITTEN THEORY I & II.....	3 CREDITS EACH
MUSC 1035 & 1045	AURAL THEORY I & II.....	3 CREDITS EACH
MUSC 1290-1296	CLASS PIANO I-IV	1 CREDIT EACH
MUSC 1375	SYMPHONIC BAND	1 CREDIT(4 MAX)
MUSC 1390	JAZZ ENSEMBLE I.....	1 CREDIT(4 MAX)
MUSC 1400	COLLEGIATE CHORALE.....	1 CREDIT(4 MAX)
MUSC 1450	VOCAL ENSEMBLE	1 CREDIT(4 MAX)
MUSC 1490	PIANO ENSEMBLE.....	1 CREDIT(4 MAX)
MUSC 2030 & 2040	WRITTEN THEORY III & IV	3 CREDITS EACH
MUSC 2035 & 2045	AURAL THEORY III & IV	3 CREDITS EACH
MUSC 2071-2078	APPLIED MUSIC.....	1-2 CREDITS(4 MAX)

THEATRE

THEA 1030	WRITTEN THEORY FOR MUS THTR	3 CREDITS
THEA 1035	AURAL THEORY FOR MUS THTR.....	1 CREDIT
THEA 1100	ACTING	3 CREDITS
THEA 1110	ACTING FOR MUSICAL THEATRE	3 CREDITS
THEA 1200	INTRODUCTION TO STAGE DESIGN	3 CREDITS
THEA 1300*	SOCIAL DANCE.....	1 CREDIT
THEA 1410, 1420*	BALLET I/I, I/II.....	1 CREDIT EACH
THEA 1430, 1440*	MODERN DANCE I/I, I/II	1 CREDIT EACH
THEA 1450, 2450*	TAP DANCE I & II	1 CREDIT EACH
THEA 1460	MUS THEATRE VOCAL ENSEMBLE.....	1 CREDIT
THEA 1480, 2480*	JAZZ DANCE I, II.....	1 CREDIT EACH
THEA 1500-1505*	DANCE PERFORMANCE I-VI	1 CREDIT EACH
THEA 2050-2052	THEATRE PRACTICE I-III.....	1-3 CREDITS (18 MAX)
THEA 2160	STAGE MAKE-UP	2 CREDITS
THEA 2215	BEGINNING CHOREOGRAPHY.....	2 CREDITS
THEA 2220	STAGECRAFT.....	3 CREDITS
THEA 2230	STAGE LIGHTING.....	3 CREDITS
THEA 2410, 2420*	BALLET II/I, II/II.....	1 CREDIT EACH (3 MAX)
THEA 2430, 2440*	MODERN DANCE II/I, II/II	1 CREDIT EACH (3 MAX)

HEALTH & HUMAN ACTIVITY

PHYSICAL ACTIVITY COURSES

PEAC 1011-2280	VARIOUS ACTIVITY COURSES	1 CREDIT EACH
PEAT 1010-2071	VARSITY ATHLETICS	1 CREDIT EACH

THEATRE

THEA 1300*	SOCIAL DANCE.....	1 CREDIT
THEA 1310	CORE CONDITIONING WHOLE BODY.....	1 CREDIT
THEA 1410, 1420*	BALLET I/I, I/II.....	1 CREDIT EACH
THEA 1430, 1440*	MODERN DANCE I/I, I/II	1 CREDIT EACH
THEA 1450, 2450*	TAP DANCE I & II	1 CREDIT EACH
THEA 1480, 2480*	JAZZ DANCE I & II.....	1 CREDIT EACH
THEA 1500-1505*	DANCE PERFORMANCE I-VI	1 CREDIT EACH
THEA 2410, 2420*	BALLET II/I, II/II.....	1 CREDIT EACH (3 MAX)
THEA 2430, 2440*	MODERN DANCE II/I, II/II	1 CREDIT EACH (3 MAX)

HEALTH & HUMAN ACTIVITY CONTINUED

HEALTH /FITNESS/NUTRITION

HLED 1003*	WELLNESS	3 CREDITS
HOEC 1140*	NUTRITION	3 CREDITS

The following courses do not fulfill the Health and Human Activity requirement:
HLED 1222 Wilderness First Aid and Safety and HLED 1225 First Aid & CPR

LABORATORY SCIENCE**BIOLOGY**

BIOL 1002	DISCOVERING SCIENCE.....	4 CREDITS
BIOL 1003	CURRENT ISSUES IN BIOLOGY	4 CREDITS
BIOL 1010	GENERAL BIOLOGY	4 CREDITS
BIOL 2010 & 2015	HUMAN ANATOMY & PHYSIOLOGY I & II	4 CREDITS EACH
BIOL 2022	ANIMAL BIOLOGY.....	4 CREDITS
BIOL 2023	PLANT & FUNGAL BIOLOGY	4 CREDITS
BIOL 2080*	PSYCHOBIOLOGY	4 CREDITS
MOLB 2210	GENERAL MICROBIOLOGY.....	4 CREDITS

(MAY NOT COUNT BOTH BIOL 1003 AND 1010)

CHEMISTRY

CHEM 1000	INTRODUCTORY CHEMISTRY	4 CREDITS
CHEM 1020 & 1030	GENERAL CHEMISTRY I & II.....	4 CREDITS EACH
CHEM 2230	QUANTITATIVE ANALYSIS	4 CREDITS
CHEM 2320 & 2340	ORGANIC CHEMISTRY I & II.....	4 CREDITS EACH

(MAY NOT COUNT BOTH CHEM 1000 AND 1020)

GEOLOGY

GEOL 1100	PHYSICAL GEOLOGY	4 CREDITS
GEOL 1200	HISTORICAL GEOLOGY.....	4 CREDITS
GEOL 2150	GEOMORPHOLOGY	4 CREDITS

PHYSICS

PHYS 1050	CONCEPTS OF PHYSICS.....	4 CREDITS
PHYS 1110, 1120	GENERAL PHYSICS I & II	4 CREDITS EACH
PHYS 1310, 1320	COLLEGE PHYSICS I & II.....	4 CREDITS EACH

(MAY NOT COUNT BOTH PHYSICS 1050, PHYS 1110 OR 1310; MAY NOT COUNT BOTH PHYS 1120 AND 1320)

PSYCHOLOGY

PSYC 2080*	PSYCHOBIOLOGY	4 CREDITS
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ADDITIONAL SCIENCE COURSES FOR ASSOCIATE OF SCIENCE STUDENTS

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

MATHEMATICS**MATHEMATICS**

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

General Education

MATHEMATICS CONTINUED

STATISTICS

STAT 2010	STATISTICAL CONCEPTS FOR BUSINESS	4 CREDITS
STAT 2050	FUNDAMENTAL OF STATISTICS.....	4 CREDITS
STAT 2070	STATISTICS FOR SOCIAL SCIENCE.....	4 CREDITS

LAB SCIENCE, MATHEMATICS AND STATISTICS COURSES NOT USED TO FULFILL INITIAL REQUIREMENTS MAY ALSO BE USED AS ADDITIONAL MATH AND SCIENCE COURSES.

COMPUTER COURSE

COMPUTER APPLICATIONS

CMAP 1705	WORD PROCESSING APPLICATIONS:.....	3 CREDITS
CMAP 1750	SPREADSHEET APPLICATIONS:.....	3 CREDITS
CMAP 1800	DATABASE APPLICATIONS:.....	3 CREDITS
CMAP 1905	INTEGRATED APPLICATIONS:.....	3 CREDITS
CMAP 1850-1890 & CMAP 2600-2895 do not fulfill the computer course requirement for graduation.		

COMPUTER SCIENCE

COSC 1010	INTRO TO COMPUTER SCIENCE I	4 CREDITS
COSC 1200	COMPUTER INFORMATION SYSTEMS	3 CREDITS

ENGINEERING

ES 1060	INTRO TO ENGINEERING COMPUTING	3 CREDITS
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INFORMATION MANAGEMENT

IMGT 2400	INTRODUCTION TO INFORMATION MANAGEMENT	3 CREDITS
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INSTRUCTIONAL TECHNOLOGY

ITEC 2360	TEACHING WITH TECHNOLOGY	3 CREDITS
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ASSESSMENT

ANTH 2800	ANTHROPOLOGY PORTFOLIO/CAPSTONE	2 CREDITS
ART 2500	ART PORTFOLIO.....	VARIES
BADM 2800	BUSINESS PORTFOLIO/CAPSTONE.....	2 CREDITS
BOTK 2800	OIS PORTFOLIO/CAPSTONE	2 CREDITS
COSC 2800	COMPUTER SCIENCE PORTFOLIO/ CAPSTONE	2 CREDITS
HMDV 2410	ASSESSMENT PORTFOLIO.....	1 CREDIT
HMDV 2411	ASSESSMENT DAY	0 CREDIT

CMAP 2895, EDUC 2800, MUSC 2500, and THEA 2500, do not fulfill the Assessment requirement for graduation



YOUR EDUCATION AFTER WESTERN

Completing a Bachelors or Masters Without Leaving Home

Currently several universities provide opportunities to complete a bachelors or masters degree while living at home. Each of these universities have 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 and complete a bachelors or masters degree 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 or video tape.

In addition to those listed below, WWCC also has agreements with National American University, Ashford University, Mayville State, and Valley City State University. A list of degrees and contact information can be found at www.wvcc.wy.edu/dist_ed/4-year.htm

University of Wyoming

The University of Wyoming maintains an Outreach office on the Western campus and offers the following degree programs. Most are delivered via compressed video.

Transfer of coursework is easy. Most courses from both UW and WWCC have the same course number so they easily transfer. Under the agreement with UW, WWCC graduates with an AA or AS degree meet all of UW's lower division University Studies requirements (if they also take a second math course).

Bachelors Programs

Administration of Justice
Applied Science
Business Administration (online)
Elementary Education
Family and Consumer Science (online)
Nursing (online)
Psychology
Social Science

Masters Programs

Business Administration
Education, Adult Learning
Kinesiology & Health
Nursing (online)
Public Administration
Social Work
Speech-Language Pathology

If you want more information, call the UW Outreach office at 307-382-1816.

Franklin University

Western has an agreement with Franklin University whereby a WWCC graduate with an Associate of Arts or Associate of Science can complete a bachelor's degree online in a number of areas. The business, accounting, and management programs dovetail with WWCC's A.S. programs.

Accounting

Business Administration

Management

Marketing

Computer Science

Applied Management

Health Care Management

Public Safety Management

Recommended for students with an A.S. in

Business Administration, Accounting, or Computer Science

Franklin's programs dovetail well with these WWCC programs

Recommended for those with an A.A.S. in a T & I program

Recommended for those with an A.D. in Nursing

WWCC graduates take additional coursework both from WWCC and from Franklin to complete a bachelor's degree. Franklin University's website is at <http://alliance.franklin.edu>. To view the specific transfer guides listing the specific courses for each program, go to <http://virtual.franklin.edu/4354.cfm>. WWCC contact at 307-382-1727 for more information.

Kaplan University

Kaplan is regionally accredited through North Central Association of Schools and Colleges. WWCC students, employees, and alumni receive a 10% discount on any of any of the 100 online majors for Bachelor's, Master's Degrees or Certificate Programs. Kaplan accepts WWCC's AA or AS Degree as a block transfer, so you start into their Bachelor's program as a Junior. To ensure you receive the 10% discount, you must go to its website: www.cc.kaplan.edu or call 800-926-9830.

Other discounts for Criminal Justice majors and military are available. Textbook costs are included in undergraduate tuition. Courses are nine weeks, with one week for finals, and a one-week break between semesters with five terms each year.

Visit the Kaplan website for a complete list of the degrees available.

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.

Regis offers the following online programs:

Elementary and Secondary Education (Articulation Agreement)	
Business Administration	Finance
Computer Science	Marketing
Computer Info Systems/Networking	Public Administration

Contact your Regis representative at 1-800-390-0891 for more information. You can also visit the Regis University website for more information. **WWCC Contact** Education - Ellen Ventura, 307-382-1764

Upper Iowa University

Upper Iowa University delivers Bachelor degree programs online in the following areas:

Accounting	Business Administration	Criminal Justice
Emergency & Disaster Management	Human Resources	Human Services
Management/Marketing/Finance	Psychology	Public Administration
Public Adm- Police Sci/Fire Sci	Social Science	Technology & Info Management

Upper Iowa will transfer a maximum of 78 lower division credits from community colleges. For more information about these online degrees, go to Upper Iowa website at http://www.uiu.edu/eu_students/online. Click on Online Program. This page lists the requirements for each of these programs. The list of approved WWCC courses is listed under Articulation and Transition Agreements. You can also call this toll free number 877-366-0581.

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 the 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://uwadmweb.uwyo.edu/unst/>

ACADEMIC PROGRAMS

Academic Information



TRANSFER PROGRAMS

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

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

Business:

Accounting
Business Administration
Computer Info. Systems
Marketing

Health:

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

Humanities:

Communication
English
Journalism
Spanish
Western American Studies

Mathematics & Science:

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

Social Science:

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

Visual & Performing Arts:

Art
Ceramics
Dance
Music
Musical Theatre
Technical Theatre
Theatre

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

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	Industrial Safety
Administrative Assistant	International Business/ESL
Automotive Technology	Journalism
Clerk-Typist	Maintenance Mechanic for Industry
Creative Writing	Medical Office Assistant
Diesel & Heavy Equip Maint. and Repair	Mine Maintenance
Diesel Technology	Natural Gas Compression Technology
Diesel Technology, with CDL	Oil & Gas Production Operator
Digital Design Technologies	Power Plant Maintenance
Electrical Apprenticeship	Practical Nursing
Electrical Mine Maintenance	Surface Maintenance Mechanics
Electrical/Instrumentation/Control Tech.	Technical Theatre
Emergency Management	Underground Maintenance Mechanics
English As A Second Language	Web Site Development
Fitness Leadership	Welding Technology
Industrial Maintenance	Western American Studies

PROFESSIONAL/CONTINUING EDUCATION & WORKFORCE TRAINING PROGRAMS

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

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

DISTANCE EDUCATION

Distance Education at Western Wyoming Community College meets the needs of students within our 5-county area and beyond. The Distance Education 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 on page 6. 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	General Studies A.A. and A.S. degree
Accounting A.S. degree	Marketing A.S. degree
Associate of Arts emphasis in	Office Information Systems A.A.S. degree
Criminal Justice	Digital Design Technologies Certificate
Social Science	Emergency Management Certificate
Social Work	Journalism Certificate
Sociology	Web Development Certificate
Business Administration A.S. degree	Western American Studies Certificate
Computer Information Systems A.S. degree	

INTERNSHIPS

Purpose of the Internship Experience

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

Credit Hours

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

General Guidelines

COURSE NUMBER

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

SUPERVISION

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

ELIGIBILITY/PREREQUISITES

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

GRADING

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

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

REGISTRATION

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

Departmental Internships

PURPOSE

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

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

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

Western offers a variety of internships. Some are described below. Qualifications for an internship vary with departments. Students can should check with the department to see if they meet that department's qualifications or contact the Internship Coordinator in the Student Development Center at 307-382-1806 for more information.

Internships

AUTOMOTIVE TECHNOLOGY internship opportunities are available for students to gain experience working in one of the auto dealerships in the area.

ADVERTISING, JOURNALISM and PUBLIC RELATIONS students can gain professional experience and earn college credit with several area newspapers and radio stations. Opportunities include advertising sales and design, news writing and editing, volunteer columnists, and radio broadcasting, and depend on individual talents and interests. Also, students are occasionally asked to do temporary work for government agencies, politicians, or private firms.

ARCHAEOLOGY students work in the field on a variety of digs during the summer semester.

COMPUTER INFORMATION SYSTEMS internships provide students an opportunity to increase their understanding of computers and related technology by working with local businesses or non-profit organizations. Interested students should contact instructors in computer science to learn prerequisite requirements and to apply.

EARLY CHILDHOOD EDUCATION students are placed in preschools or elementary schools to work with young children.

EDUCATION students visit schools during their first year and also complete two thirty hour practicum in the public schools during their second year.

ENGINEERING students have a variety of opportunities to work with local engineers in many engineering disciplines. Interns also participate with Wyoming Highway Department internship program and the National Center for Atmospheric Research.

EXERCISE SCIENCE interns are required to assist with a variety of training and fitness testing in the Wellness Center working with students and faculty clients. Other internship opportunities in the community are also possible.

HISTORY internships are available through the Fort Bridger State Historic Site. The intern will work directly for the Site Superintendent in a variety of capacities.

INDUSTRIAL MAINTENANCE internships are regularly available, particularly in the summer, with local industries.

INSTRUMENTATION internships are available with local industries.

MARKETING internship opportunities are available for students to gain on the job experience in a real business environment. Positions can be found on campus in key marketing offices as well as with local businesses. Students who are interested in pursuing an internship in a specific business or industry, should contact the division regarding possible options. Internships are available for Marketing students who have completed prerequisite courses and have a minimum 3.25 cumulative GPA.

OFFICE INFORMATION SYSTEMS internships are available for the selected OIS major who has completed the prerequisites. These internships will provide the OIS student with experience working in a real-world, office environment. Interested students should inquire about internships with an OIS faculty member.

OIL AND GAS PRODUCTION TECHNOLOGY internships are regularly available, particularly in the summer, with local energy industries.

POLITICAL SCIENCE interns work at the State legislature for State representatives during the Spring semester.

PSYCHOLOGY interns work during the Spring Semester at various mental health and human service agencies. They are given specific duties while they observe the agency's activities.

SOCIAL SCIENCES have competitive internships for social science majors who have a 3.7 minimum G.P.A. and who have accumulated a minimum of 30 college credits. Sites include the Wyoming State Legislature, law enforcement agencies, probation offices, youth services, mental health agencies and archaeology sites. Political Science, Psychology, Archaeology, History and Sociology offer internships. Specific information can be obtained from those faculty members.

SOCIAL WORK internships include a practical experience as a required part of the Social Work course.

THEATRE DEPARTMENT on-campus internship program in two areas: Theatre Management Interns will work in the College's 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.

Technical Theatre Interns will work in the College's theatre doing lights, set, sound, costume, props, and/or rigging assignments. Interns will also be responsible for preparing and running the technical aspects of every event in the theatre.

WEB DEVELOPMENT internships provide students an opportunity to increase their understanding of computers and related technology by working with local businesses or non-profit organizations. Interested students should contact instructors in computer science to learn prerequisite requirements and to apply.

WESTERN STUDIES interns work with the Bureau of Land Management, giving students practical experience in a variety of land management situations. Students can check with instructors in other departments to determine if internships are available.

GOALS FOR STUDENT SUCCESS

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

Communicate Competently
Retrieve Information
See Issues From Multiple Perspectives

Solve Problems
Develop Life Skills

Communicate Competently

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

Retrieve Information

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

See Issues from Multiple Perspectives

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

Problem Solving

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

Develop Life Skills

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



PROGRAMS OF STUDY



Programs of Study

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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
ITEC	Instructional Technology
MGT	Management & Supervision
MKT	Marketing
MOA	Medical Office Assistant

Developmental Studies

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

Health Science

HLTK	Allied Health Technology
HLED	Health Education
HOEC	Home Economics/Nutrition
NRST	Nursing
OEAC	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
LIBS	Library Science
PHIL	Philosophy
SPAN	Spanish

Science & Mathematics

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

Social Sciences

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

Technology & Industry

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).

GENERAL STUDIES

Suggested Program for A.A. with emphasis in General Studies

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 page 53 for specific courses that fulfill General Education requirements. See page 49 for Associate of Arts degree requirements and more information.

FIRST YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English II (ENGL 1020 or 2010)	3
College Level Math or Lab Science	3-4	Lab Science.....	4
Social Science	3	Humanities/Applied Arts	3
Computer Application Course	3	Health & Human Activity	2
Elective.....	3	Elective.....	5
	15-16		17

SECOND YEAR

Fall Semester	Credit	Spring Semester	Credit
US Government	3	Social Science.....	3
Humanities/Applied Arts	3	Humanities/Applied Arts	3
Elective.....	10	Elective.....	10
	16	Assessment Course	1
			17

Total of 64 credits minimum required, 2.00 cumulative GPA

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

Suggested Program for A.S. with emphasis in General Studies

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 page 53 for specific courses that fulfill General Education requirements. See page 50 for Associate of Science degree requirements and more information.

FIRST YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010).....	3	English II (ENGL1020 or 2010)	3
Science (General Biology BIOL 1010).....	4	Science Course.....	4
College Level Math.....	3-4	Social Science/Humanities/Applied Arts.....	3
Computer Applications Course.....	3	US Government.....	3
Elective.....	3	Elective.....	3
	16-17		16

SECOND YEAR

Fall Semester	Credit	Spring Semester	Credit
Social Science/Humanities/ Applied Arts Course	3	Social Science/Humanities/ Applied Arts Course	3
Additional Science /Math.....	3-4	Health & Human Activity	1
Health & Human Activity	1	Additional Science/Math.....	3-4
Elective.....	9	Elective.....	8
	16-18	Assessment Course	1
			16-17

Total of 64 credits minimum required, 2.00 cumulative GPA

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



BUSINESS

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

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

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

Accounting: <http://www.wvcc.wy.edu/academics/accounting/onlineguide.htm>

Business Administration: http://www.wvcc.wy.edu/academics/busi_admin/onlineguide.htm

Marketing: <http://www.wvcc.wy.edu/academics/marketing/onlineguide.htm>

Students seeking an online degree are strongly encouraged to:

1. Complete the online learning course (CMAP 0910) prior to beginning their online program.
2. Select a business faculty advisor for their degree area while seeking an online degree.

Accounting

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

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

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

Program for A.S. Degree in Accounting

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English II (ENGL 2010 or 1020)	3
Macroeconomics (ECON 1010)	3	Microeconomics (ECON 1020).....	3
Precalculus Algebra (MATH 1400).....	4	Statistics (STAT 2010 or 2050).....	4
Public Speaking (COMM 1010)	3	Laboratory Science.....	4
Health & Human Activity	1	Health & Human Activity	1
Intro to Business (BADM 1000)	3	US Government	3
	17		18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Principles of Accounting I (ACCT 2010).....	3	Principles of Accounting II (ACCT 2020)	3
Computer Info. Systems (COSC 1200).....	3	Managerial Finance (FIN 2100)	3
+Business Calc I (MATH 2350)	4	+Business Calc II (MATH 2355)	
Legal Env. of Business (MGT 1040).....	3	or Intro to Info Mgmt (IMGT 2400)	3-4
Accounting Information Systems (ACCT 2210).....	3	Business Elective.....	3
	16	Elective.....	3
		Business Portfolio/Capstone (BADM 2800).....	2
			17-18

See next page

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

Notes:

- **Students must complete all of the courses listed above with a “C or better” in order to receive the A.S. Degree in Accounting**

Degree in Accounting

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

Program for One-Year Accounting Certificate (33-34 credit)

First Semester	Credit	Second Semester	Credit
English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010)	3
Business Math (BOTK 1520) or Precalculus Algebra (MATH 1400)	3-4	Intro to Info Management (IMGT 2400)	3
Principles of Accounting I (ACCT 2010)	3	Principles of Accounting II (ACCT 2020)	3
Spreadsheet Applications (CMAP 1750)	3	+Business Elective	3
Accounting Info Systems (ACCT 2210)	3	Word Processing (CMAP 1705)	3
	15-16	Interpersonal Comm. (COMM 1030)	3
			18

+Business Elective: Choose from any of the following prefixes: ACCT, BADM, BUSN, ECON, FIN, MGT, and MKT

**Business Math = 3 credits

Precalculus Algebra = 4 credits

Business Administration

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

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

Through these skills, students will have a sound business education base for lifelong learning.

Graduates are prepared for continued business educational opportunities, employment opportunities in government agencies, financial institutions and large to small business or industry.

Program for A.S. Degree in Business Administration

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English II (ENGL 2010 or 1020)	3
Macroeconomics (ECON 1010)	3	Microeconomics (ECON 1020)	3
Precalculus Algebra (MATH 1400)	4	Statistics (STAT 2010 or 2050)	4
Intro. To Business (BADM 1000)	3	Lab Science	4
US Government	3	Computer Info. Systems (COSC 1200)	3
	16	Health & Human Activity	1
			18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Public Speaking (COMM 1010)	3	Principles of Management (MGT 2100)	3
Principles of Accounting I (ACCT 2010)	3	Principles of Accounting II (ACCT 2020)	3
+Business Calculus I (MATH 2350) or Lab Science	4	+Business Calculus II (MATH 2355) or Intro to Info Management (IMGT 2400)	3
Marketing (MKT 2100)	3	Business Elective	3
Legal Env. of Business (MGT 1040)	3	Elective	3
Health & Human Activity	1	Business Portfolio/Capstone (BADM 2800)	2
	17		17

See next page



Business Programs of Study

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

Notes:

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

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.

Program for A.S. Degree in Computer Information Systems

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Macroeconomics (ECON 1010)	3	English II (ENGL 1020 or 2010)	3
English Composition I (ENGL 1010)	3	Microeconomics (ECON 1020).....	3
Precalculus Trig (MATH 1405)	3	*+Computer Science Elective	3
*Computer Info System (COSC 1200)	3	Lab Science.....	4
Health & Human Activity	1	Health & Human Activity	1
	13-15	US Government.....	3
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Principles of Accounting I (ACCT 2010).....	3	Humanities or Applied Arts.....	3
Calculus I (MATH 2200).....	5	Principles of Accounting II (ACCT 2020)	3
*Programming (COSC 2409).....	3	*Computer Science I (COSC 1030).....	4
*Intro to Computer Science I (COSC 1010).....	4	*+Computer Science Elective	3
*+Computer Science Elective	3	Calculus II (MATH 2205).....	5
	18	Computer Science Portfolio/Capstone (COSC 2800)....	2
			20

*Required for A.S. Degree in Computer Information Systems

+For graduation requirements Computer Science electives include any Computer Science courses, including IMGT 2400, not otherwise required for major

Program for 18 Hour 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.

Web Site Development Certificate, Continued

Computer Information Systems (COSC 1200) 3
 Programming (COSC 2409) 3
 Web Development I (COSC 1350)..... 3
 Web Development II (COSC 2350) or
 WWW Authoring: Dreamweaver (CMAP 1890). 3
 Computer Graphics: PhotoShop (CMAP 2600)..... 3
 Web Page Dynamics and Scripting (COSC 2360) or
 Digital Mltmda Dsgn: Flash & Frwks
 (CMAP 1875) 3
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.

Program for Certificate in Digital Design Technologies

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

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

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

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

First Semester

Intro to Digital Design Technologies (CMAP 1860) ... 3
 Comp Graphics: Adobe Photoshop (CMAP 2600)..... 3

Second Semester

Digital Illustration Design: Adobe Ill (CMAP 1870) .. 3
 Digital Page Layout Design:
 Adobe InDesign (CMAP 1865) 3
 Digital Mltmda Design: Flash & Frwks (CMAP 1875) or
 Web Page Dyn & Scrptng (COSC 2360) 3

Third Semester

WWW Authoring: Dreamweaver (CMAP 1890) or
 Web Development II (COSC 2350)..... 3
 Digital Design Publishing: Acrobat (CMAP 1885)..... 1
 Digital Design Technologies Capstone (CMAP 2895).. 1
20

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

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.

Program for A.S. Degree in Marketing

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Comp. I (ENGL 1010)	3	English II (ENGL 1020 or 2010)	3
Macroeconomics (ECON 1010)	3	Microeconomics (ECON 1020).....	3
Precalculus Algebra (MATH 1400).....	4	Statistics (STAT 2010 or 2050).....	4
Intro. to Business (BADM 1000)	3	Marketing (MKT 2100)	3
US Government.....	3	Public Speaking (COMM 1010).....	3
Health & Human Activity	1	Health & Human Activity	1
	17		17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Computer Info Systems (COSC 1200).....	3	Principles of Management (MGT 2100)	3
Prin. of Accounting I (ACCT 2010).....	3	Prin. of Accounting II (ACCT 2020).....	3
Legal Env. of Business (MGT 1040) or Intro Intl. Business (BUSN 2000)	3	Laboratory Science.....	4
+Business Calculus I (MATH 2350)	4	Business Elective.....	3
Advertising (MKT 1300)	3	Elective.....	3
	16	Business Portfolio/Capstone (BADM 2800)	2
			18

•Students are strongly encouraged to complete a marketing internship (MKT 2470) during the summer between the freshman and sophomore year or during the last semester.
 + This requirement (Business Calculus I) may be met by taking MATH 2200.

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. Students may opt not to take Business Calculus if they know they are transferring to an institution that does not require it
- Business electives may be selected from any of the catalog listed business courses with the following prefixes: ACCT, BADM, BUSN, CMAP (1750 & 1800 only), COSC, ECON, FIN, IMGT, MKT and MGT.
- Students should research the institution where they plan to obtain their bachelor’s degree to determine business course requirements and should choose from Western courses accordingly.

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.

Program for A.A.S. Degree in Office Information Systems

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.

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Keyboarding Apps I (BOTK 1640)	3	English Composition I (ENGL 1010)	3
*Records Management (BOTK 2750)	3	*Keyboarding Apps II (BOTK 1650)	3
*Accounting Procedures I (BOTK 2810)	3	Spreadsheet Applications: (CMAP 1750)	3
Business Math (BOTK 1520)	3	Accounting Procedures II (BOTK 2820)	3
Computer Information Systems (COSC 1200)	3	Interpersonal Communications (COMM 1030)	3
Health & Human Activity	1	US Government	3
	16		18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Basic Office Skills (BOTK 1555)	3	Intro to Digital Design Technology (CMAP 1860)	3
Word Processing Applications (CMAP 1705)	3	Database Applications (CMAP 1800)	3
Accounting Info. Systems: (ACCT 2210)	3	*Office Systems & Procedures (BOTK 2900)	3
Technical Writing (ENGL 2010)	3	OIS Portfolio/Capstone (BOTK 2800)	2
Math or Lab Science	3 - 4	OIS/Business Elective	3
Health & Human Activity	1		14
	16 - 17		

*Required courses to receive A.A.S. Degree in Office Information Systems

+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) and Principles of Accounting II (ACCT 2020) rather than Accounting Procedures I (BOTK 2810) and Accounting Procedures II (BOTK 2820). Note the prerequisites for ACCT 2010 and 2020.

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

Approved Electives: Desktop Publishing (CMAP 1850), Computer Graphics (CMAP 2600), Presentation Graphics (CMAP 2630), Windows (CMAP 1610), Integrated Applications (CMAP 1905), Web Development (COSC 1350), Intro to Computer Science I (COSC 1010), Intro to Info Management (IMGT 2400), Medical Terminology (HLTK 1200), Medical Office Procedures (MOA 1500), Introduction to Business (BADM 1000), Marketing (MKT 2100), Legal Environment of Business (MGT 1040) Introduction to Supervision (MGT 1000), and Graphic Design I (ART 2120).

Program for A.A.S. Degree in Office Information Systems 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

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010)	3
*Medical Terminology (HLTK 1200)	2	*Keyboarding Apps. II (BOTK 1650)	3
Computer Info. Systems(COSC 1200)	3	Integrated Applications: (CMAP 1905).....	3
Accounting Procedures I (BOTK 2810).....	3	US Government.....	3
General Psychology (PSYC 1000)	4	*General Biology (BIOL 1010)	4
	15		16
Summer Semester	Credit		
*Nurse Assistant (NRST 1510)	4		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Human Anatomy & Phys. I (BIOL 2010)	4	*Human Anatomy & Phys. II (BIOL 2015).....	4
Interpersonal Comm (COMM 1030)	3	Database Apps (CMAP 1800).....	3
*Basic Office Skills (BOTK 1555).....	3	OIS/Business Elective	3
*Records Management (BOTK 2750).....	3	OIS Portfolio/Capstone (BOTK 2800)	2
Nutrition (HOEC 1140).....	3	*Medical Office Procedures (MOA 1500)	3
	16		15

*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.

Program for Certificate in Medical Office Assistant

General Biology I (BIOL 1010).....	4
Nutrition (HOEC 1140).....	3
Human Anatomy & Physiology I (BIOL 2010)	4
Human Anatomy & Physiology II (BIOL 2015).....	4
General Psychology (PSYC 1000)	4
Keyboarding II (BOTK 1650).....	3
Records Management (BOTK 2750)	3
Medical Terminology (HLTK 1200)	2
Medical Office Procedures (MOA 1500).....	3
Nurse Assistant (NRST 1510)	4
Integrated Applications (CMAP 1905).....	3
English Composition I (ENGL 1010)	3
	40

Program for a One-Year Administrative Assistant Certificate

Accounting Proc. I (BOTK 2810) 3
 or Principles of Accounting (ACCT 2010) 3
 Basic Office Skills (BOTK 1555)..... 3
 Computer Info. Systems (COSC 1200)..... 3
 English Composition I (ENGL 1010) 3
 Keyboarding Apps. II (BOTK 1650)..... 3
 Office Systems & Proc. (BOTK 2900)..... 3
 *OIS Elective 3
 Records & Info. Management (BOTK 2750) 3
 Spreadsheet App. I (CMAP 1750) 3
 Technical Writing (ENGL 2010) 3
 Word Processing Applications (CMAP 1705) 3
 33

***Approved OIS Electives for the Administrative Assistant Certificate:** Database Applications (CMAP 1800), Integrated Applications (CMAP 1905), Computer Graphics (CMAP 2600), Accounting Info Systems: (ACCT 2210), Web Development I (COSC 1350), or Introduction to Information Management (IMGT 2400).
 Online Student Note: This certificate is available online. See <http://www.wbcc.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.

Program for a One-Year Clerk-Typist Certificate (30 credit hours)

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010)	3
Keyboarding Apps. I (BOTK 1640)	3	Word Processing (CMAP 1705)	3
Basic Office Skills (BOTK 1555).....	3	OIS/Business Elective	3
Records Management (BOTK 2750)	3	Keyboarding Apps. II (BOTK 1650).....	3
Computer Info. Systems (COSC 1200).....	3	Business Math (BOTK 1520).....	3
	15		15

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



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.

Suggested Program for A.A. Degree with emphasis in Education (Elementary and Early Childhood)

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Precalculus Algebra (MATH 1400).....	4	Public Speaking (COMM 1010)	3
Ed.Exper for Prospective Teachers (EDCI 1000).....	2	Field Experience (EDFD 1010)	2
U.S. History (HIST 1211 or 1221)	3	Lifespan: Adulthood (EDFD 2451).....	1
General Psychology (PSYC 1000)	4	Intro to Classroom Management (EDCI 2440).....	1
	16	Teaching with Technology (ITEC 2360).....	3
		Intro. to Early Childhood Ed. (EDEC 1020).....	3
		Early Childhood Practicum (EDEC 1025)	1
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Current Issues in Biology (BIOL 1003)	4	Educational Psychology (EDFD 2100).....	3
Foundations of Education (EDFD 2020)	3	Practicum in Teaching II (EDUC 2110)	1
Practicum in Teaching I (EDUC 2100)	1	Introduction to Special Education (EDEX 2484).....	3
Developmental Psychology (PSYC 2300).....	3	Literature for Children (LIBS 2280)	3
Number & Ops for Elem Schl Tchrs (MATH 1100)....	3	Data, Prob. & Alg for Elem Schl Tchrs (MATH 1105) 3	
Math for Elementary School Teachers I (EDEL 1410) 1		Intro to Music (MUSC 1000).....	3
Health & Human Activity	1	Health & Human Activity	1
	16	Assessment Requirement	0-1
			17-18

Suggested Program for A.A. or A.S. Degree with emphasis in Education (Secondary)

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Precalculus Algebra (MATH 1400).....	4	Public Speaking (COMM 1010).....	3
Ed. Exper. Prosp. Teachers (EDCI 1000).....	2	Field Experience (EDFD 1010)	2
U.S. History (HIST 1211 or HIST 1221)	3	Lifespan: Adulthood (EDFD 2451).....	1
General Psychology (PSYC 1000)	4	Intro to Classroom Management (EDCI 2440).....	1
	16	Teaching with Technology (ITEC 2360)	3
		•Content Area Courses	4
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
▲Current Issues in Biology (BIOL 1003)	4	Educational Psychology (EDFD 2100).....	3
Foundations of Education (EDFD 2020)	3	Practicum in Teaching II (EDUC 2110).....	1
Practicum in Teaching I (EDUC 2100)	1	Introduction to Special Education (EDEX 2484).....	3
Health & Human Activity	1	Health & Human Activity	1
Developmental Psychology (PSYC 2300).....	3	•Content Area Courses.....	9
•Content Area Courses.....	4	Assessment Requirement	0-1
	16		17-18

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

▲Secondary Education students concentrating in Science should discuss Biology options with their advisor.

ENGLISH AS A SECOND LANGUAGE

14 Credit Certificate in English As A Second Language

The ESL certificate is a 14 credit program designed for students to document their successful completion of a curriculum focusing on improving their English speaking and writing ability. Recipients of the certificate must complete 14 credits from among the following courses with at least a C or better in each course. Students must take at least one course from each of the three core categories - Writing, Communication, and Reading, with additional core courses counting as electives. Core classes must account for at least 8 of the 14 credits.

Core Courses (8 or more credits)

Writing

English as a Second Language (HMDV 1502)	3 credits
Basic English I or II (ENGL 0950 or ENGL 0955)	3 credits
English Composition I (ENGL 1010)	3 credits

Communication

Non-Native Conversation (HMDV 1503)	3 credits
U.S. Culture/Communication (HMDV 0550)	2 credits
Non-Native Listening (BAS 0960).....	3 credits
Public Speaking (COMM 1010)	3 credits

Reading

Non-Native Reading (BAS 0910)	2 credits
Reading Skills (BAS 0510).....	1 credit
College Studies (HMDV 1000).....	2 credits
Speed Reading (HMDV 1100).....	1 credit

Electives (6 or fewer credits):

Higher Level Writing Course:

English Composition II (ENGL 1020)	3 credits
or Advanced Composition (ENGL 1111)	3 credits
or Technical Writing (ENGL 2010).....	3 credits

Grammar Course:

Grammar Skills (BAS 0630)	1 credit
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Vocabulary Course:

Non-Native Vocabulary (BAS 0950)	2 credits
or College Vocabulary (HMDV 1110)	1 credit

Writing Skills (BAS 0620).....	1 credit
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Program for One-Year International Business/English as a Second Language Certificate

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

Required Courses – Fifteen (15 credits):

English as a Second Language (HMDV1502)	3 credits
(or 3 credits high-level writing course*)	
Non-Native Conversation (HMDV 1503)	3 credits
Introduction to Business (BADM 1000)	3 credits
Intro to International Business (BUSN 2000).....	3 credits
Spreadsheet Applications: (CMAP 1750).....	3 credits

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

Non-Native Reading (BAS 0910)	2 credits
Non-Native Vocabulary (BAS 0950).....	2 credits
Non-Native Listening (BAS 0960).....	3 credits
U.S. Culture/Communication (HMDV 0550).....	2 credits
Public Speaking (COMM 1010).....	3 credits
Intro. to International Relations (POLS 2310)	3 credits
*High-level writing course.....	3 credits

Business Electives – Nine (9) credits from:

Computer Information Systems (COSC 1200)	3 credits
Introduction to Supervision (MGT 1000)	3 credits
Advertising (MKT 1300)	3 credits
Basic Office Skills (BOTK 1555).....	3 credits
Business Mathematics (BOTK 1520).....	3 credits
Marketing (MKT 2100)	3 credits
Principles of Management (MGT 2100)	3 credits

*High-level writing courses: Basic English I (ENGL 0950), English Composition I (ENGL 1010), English Composition II (ENGL 1020), Technical Writing (ENGL 2010), or Advanced Composition (ENGL 1111)



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 and Health Care Provider CPR certification are necessary to attend clinical. Additional information is available on costs of the course, certification, and job opportunities from the nursing department. A limited number of students are admitted into the course on a "space available" basis until the class is filled.

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

Practical Nursing Program (Outreach)

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

To apply for the Practical Nursing program:

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

Prior to starting Nursing I you must:

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

Admission Criteria:

- TEAS®-V 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 by the end of spring semester for fall admission.

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

Program for Certificate in Practical Nursing (Outreach)**PRE-REQUISITES**

	Credit		Credit
General Biology (BIOL 1010).....	4	Human Anat. & Phys. II (BIOL 2015).....	4
Human Anat. & Phys I (BIOL 2010).....	4	General Psychology (PSYC 1000).....	4
English Composition I (ENGL 1010).....	3	Problem Solving (MATH 1000) or higher.....	3
			22

- Nurse Assistant course

PROGRAM COURSEWORK

Fall Semester	Credit	Spring Semester	Credit
PN Nursing I (NRST 1555).....	9	PN Nursing II (NRST 1565).....	9
Computer Information Systems (COSC 1200).....	3		9
	12		
Summer Semester	Credit		
PN Nursing III (NRST 1575).....	6		
	6		

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.

Associate Degree in Nursing Program

Western Wyoming Community College offers a three-year program (7 semesters) leading to an Associate Degree in Nursing. Successful completion of the program allows the graduate to take the National Council Licensure examination for registered nursing (NCLEX-RN). Upon licensure, the AD nurse practices in settings where policies and procedures are specified and guidance is available.

The goal of Western Wyoming Community College is to prepare nurses who will competently practice the art and science of nursing. The art and science of nursing are accomplished by utilizing the six goals of the nursing program. The six goals of the nursing program are to: communicate competently, see issues from multiple perspectives, develop life skills, solve problems, retrieve information, and apply therapeutic nursing interventions. The curriculum is organized around these six goals to help the student manage an ever expanding body of knowledge. The curriculum content and clinical opportunities are leveled from basic to complex with each semester lending breadth

and depth to the next. The practice of associate degree nursing applies to persons with common, predictable problems, or persons with complex health problems. The AD nurse provides care to persons to maximize health potential.

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

Outreach Opportunities for Associate Degree in Nursing

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

- The entire 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.

Opportunities for Associate Degree in Nursing in Rawlins

CCHEC has four reserved slots for qualified applicants on the Rawlins campus. The first 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 may be purchased through the WWCC Bookstore (307-382-1673).

Prior to starting Nursing I you must:

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

Admission Criteria:

- TEAS®-V entrance test - Adjusted Individual Total score
 - Grade point average - prerequisite courses
 - Completed required general education courses - 1 point for each course
- * Applicants are encouraged to contact a nursing advisor periodically to ensure the appropriate classes are taken and to communicate program changes.
- * If applicant does not have a social security number, he/she may not qualify to meet program requirements.

Admission Process:

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

Advanced Placement Admission

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

To apply for the Nursing Program:

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

Expenses

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

Financial Assistance

In addition to the financial aid available to all university students, special awards and funds may be available to qualified nursing 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 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 has continuing accreditation from the National League for Nursing Accrediting Commission and is approved by the Wyoming State Board of Nursing. The next site visit will be Spring 2017.

National League for Nursing
Accrediting Commission
3343 Peachtree Rd NE
Suite 850
Atlanta GA 30326
Phone 1-800-669-1656

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

Program for Associate Degree in Nursing

PREREQUISITES

Credit

General Biology (BIOL 1010)	4
Human Anatomy & Physiology I (BIOL 2010)	4
Human Anatomy & Physiology II (BIOL 2015).....	4
General Psychology (PSYC 1000)	4
English Composition I (ENGL 1010)	3
Problem Solving (MATH 1000) or higher	3
	22

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.

Nurse Assistant course

FIRST YEAR

Fall Semester

Credit

Nursing I (NRST 1610).....	10
Computer Information Systems (COSC 1200)	3
	13

Spring Semester

Credit

Nursing II (NRST 1620)	9
English II (ENGL 1020, 1111, or 2010)	3
	12

SECOND YEAR

Fall Semester

Credit

Nursing III (NRST 2630).....	10
US Government.....	3
	13

Spring Semester

Credit

Nursing IV (NRST 2640)	9
Cultural Anthropology (ANTH 1200) or	
Sociological Principles (SOC 1000)	3
Assessment Requirement	0-1
	12-13

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

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

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

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



Radiologic Technology

Western Wyoming Community College and Weber State University have entered into an articulation agreement which allows students interested in pursuing a degree in Radiologic Technology to take their prerequisite courses at Western and then complete the radiology courses through Weber. This program and study is equivalent in course content to the on-campus program at Weber. Weber's outreach program allows students who are site bound an opportunity to complete the radiologic technology program. These students may continue to live in their own community and work on their degree. Students are required to travel to Weber once a month and are required to travel to various hospitals for clinical instruction. Students should apply to Weber early in their matriculation at WWCC and be assigned to a Weber advisor to make sure that they remain on track as they complete the WWCC coursework. Radiologic Technology is an applied skill and science pertaining to the various types of ionizing radiation used in both the diagnostic and therapy fields. A Registered Technologist is qualified to work in public hospitals, clinics, and doctors' offices. In addition, jobs are available as technical 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.

Courses offered at WWCC that will fulfill the prerequisites for the A.A.S. in Radiography at Weber State University:

English Composition I (ENGL 1010)	3 credits	Human Anatomy & Phys I (BIOL 2010).....	4 credits
English II (ENGL 1020 or ENGL 2010)	3 credits	Human Anatomy & Phys II (BIOL 2015)	4 credits
Intermediate Algebra (MATH 0930) or higher	4 credits		
General Psychology (PSYC 1000)	4 credits		
Interpersonal Communication (COMM 1030)	3 credits		
Or Public Speaking (COMM 1010)			

Additional general education courses offered at WWCC for students choosing to complete the B.S. in Radiography at Weber State University:

US Government.....	3 credits	Life Span: Adulthood (EDFD 2451)	1 credit
Concepts of Physics (PHYS 1050).....	4 credits	Developmental Psychology (PSYC 2300)	3 credits
Computer Information Systems (COSC 1200) ...	3 credits	Nutrition (HOEC 1140)	
Intro to Cultural Anthropology (ANTH 1200).....	3 credits	Or Microbiology (MOLB 2210)	3-4 credits
College Level Math (MATH 1400		Applied Arts Elective	3 credits
or STAT 2050)	4 credits	Humanities Elective	3 credits
Introductory Chemistry (CHEM 1000)	4 credits	Spanish.....	4 credits
Phlebotomy (PHLB 1800 and PHLB 1970)	6 credits		

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

Admission Procedures to Complete the Radiologic Technology Program at Weber State

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

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.

Suggested Courses for Pre-Dental Hygiene

English Composition I (ENGL 1010)	3
College Level Math (See advisor for specific requirements)	3-5
General Biology (BIOL 1010)	4
Anatomy & Physiology I (BIOL 2010)	4
Intro to Chemistry (CHEM 1000)	4
(See advisor before enrolling).....	4
Intro. to Sociology (SOC 1000) or Cultural Anthropology (ANTH 1200)	3
English II (ENGL 1020 or 2010).....	3
General Psychology (PSYC 1000)	4
Anatomy & Physiology II (BIOL 2015)	4
Microbiology (MOLB 2210)	4
Communication Course.....	3
(COMM 1010 or COMM 1030)	
Nutrition (HOEC 1140).....	3

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.

Health Sciences Programs of Study

Pre-Health Sciences

Suggested Program for A.S. Degree with emphasis in:

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

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

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology (BIOL 1010)	4	Animal Biology (BIOL 2022).....	4
General Chemistry I (CHEM 1020)	4	General Chemistry II (CHEM 1030).....	4
English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010)	3
Math Course (MATH 1400 or higher)	3-5	Math Course (MATH 1405 or higher).....	3-5
Health & Human Activity	1	US Government.....	3
	15-17		17-19

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
• Plant and Fungal Biology (BIOL 2023).....	4	Microbiology (MOLB 2210)	4
Organic Chemistry I (CHEM 2320)	4	Organic Chemistry II (CHEM 2340)	4
General Physics I (PHYS 1110) or elective	3-4	General Physics II (PHYS 1120) or elective.....	4
Computer Course	3	Social Sci/Humanities/Appl Arts	6
Social Sci/Humanities/Appl Arts	3	Assessment Requirement	0-1
Health & Human Activity	1		18-19
	18-19		

♦ = May not be required of all majors

Suggested Program for Transfer to a Bachelor of Science Degree in Nursing

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English I (ENGL 1010)	3	English II (ENGL 1020).....	3
General Biology (BIOL 1010)	4	Human Anatomy & Physiology I (BIOL 2010)	4
Problem Solving (MATH 1000) or Pre-Calculus Algebra (MATH 1400).....	3-4	Gen. Psychology (PSYC 1000).....	4
Intro. Sociology (SOC 1000) or Cultural Anthropology (ANTH 1200)	3	Elective.....	3
Health & Human Activity	1	Computer Course.....	3
US Government.....	3		17
	17 - 18		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Public Speaking (COMM 1010)	3	Microbiology (MOLB 2210)	4
Human Anatomy & Physiology II (BIOL 2015).....	4	Electives	9
Nutrition (HOEC 1140).....	3	Statistics (STAT 2050 or 2070).....	4
Electives	5	Assessment Requirement	0-1
Health & Human Activity	1		17-18
	16		

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.

Program for A.S. Degree in Exercise Science

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.

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010 or ENGL 1020)	3
*Fitness Leadership Training I (PEPR 2130)	3	*Fitness Leadership Training II (PEPR 2230)	3
*Personalized Fitness I (PEAC 2005).....	2	Personalized Fitness II (PEAC 2006).....	3
*General Biology (BIOL1010)	4	+ Precalculus Algebra (MATH 1400).....	3
Computer Info Systems (COSC 1200)	3	*Nutrition (HOEC 1140).....	3
*Teaching Free Weight Training (PEPR 1120).....	1	*First Aid & CPR (HLED1225).....	2
*Exercise Science Beg Internship (PEPR 2470).....	1-2	Exercise Science Beg Internship (PEPR 2470)	1-2
	17-18		18-19

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
US Government.....	3	*Exercise Physiology (PEPR 2120)	4
*Human Anatomy & Physiology I (BIOL 2010)	4	*Human Anatomy & Physiology II (BIOL 2015).....	4
*Intro to Chemistry (CHEM1000).....	4	• Communication Elective.....	3
General Psychology (PSYC 1000)		Elective from Humanities, or Applied Art.....	3
or Wellness (HLED 1003).....	3-4	Recommended Elective	2-3
*Exercise Science Adv Internship (PEPR 2471).....	1-2	*Exercise Science Adv Internship (PEPR 2471).....	1-2
	15-17	Assessment Requirement	0-1
			17-20

* These courses are required to receive an A.S. Degree in Exercise Science

+ Or other college level math course

• Interpersonal Communication (COMM 1030) or Public Speaking (COMM 1010)

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.

Program for Certificate in Fitness Leadership

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.

General Biology I (BIOL 1010)	4	Exercise Physiology (PEPR 2120)	4
Anatomy & Physiology I (BIOL 2010)	4	Fitness Leadership Training I (PEPR 2130)	3
Anatomy & Physiology II (BIOL 2015)	4	Fitness Leadership Training II (PEPR 2230)	3
First Aid & CPR (HLED 1225)	2	Beginning Exercise Sci Internship (PEPR 2470)	1-2
Nutrition (HOEC 1140)	3	Advanced Exercise Sci Internship (PEPR 2471)	1-2
Personalized Fitness I (PEAC 2005)	2	▪Business Course	3
Teaching Free Weight Training (PEPR 1120)	1	▲Communication Course	3

▪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, 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.

Suggested Program for A.A. Degree with emphasis in Communication

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Lab Science	4	Intro to Human Comm (COMM 1040).....	3
US Government	3	College Level Math (MATH 1000 or higher)	3
Public Speaking (COMM1010)	3	Interpersonal Comm (COMM 1030).....	3
Computer Course.....	3	Health & Human Activity	1
Health & Human Activity	1	● Elective	3
	17		16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Intro to Mass Media (COMM 1000).....	3	Reporting and Newswriting (COMM 2100)	3
Foreign Language	4	Social Science.....	3
Publication Production (COMM 1370)	1	Publication Production (COMM 1375)	1
Social Science	3	Foreign Language	4
● Communication Electives.....	6	● Electives.....	4-6
	17	Assessment Requirement	0-1
			15-18

● Choose from Introduction to Persuasion, Nonverbal Communication, Conflict Management, Interpersonal Communication, Graphic Design, Public Relations.

● 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.

Humanities Programs of Study

Program for 14 Credit Creative Writing Certificate

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

Required courses (2 credits)

ENGL 2091 Creative Writing: Publishing Your Work. 1
 ENGL 2495 Workshops in English: 1

Choose any four (12 credits)

ENGL 2040 Creative Writing: 3
 (Topics vary by term. May be taken up to three times)
 ENGL 2050 Creative Writing: Prose I 3
 ENGL 2060 Creative Writing: Prose II 3
 ENGL 2080 Creative Writing: Poetry I 3
 ENGL 2090 Creative Writing: Poetry II 3
 ENGL 2064 Creative Writing: Journalism 3
 ENGL 2065 Creative Writing: Memoir Writing 3

Suggested Program for A.A. Degree with emphasis in English

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	American Lit I or II (ENGL 2310, 2320)	3
Lab Science	4	English II (ENGL 1020, 1111 or 2010)	3
Foreign Language	4	Foreign Language	4
Computer Course	3	College Level Math	3-4
Health & Human Activity	1	♦Literature Course	2-3
	15		15-17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
♦Literature Course	3	American Lit I or II (ENGL 2310, 2320)	3
US Government	3	Social Science	3
Social Science	3	●Writing Course	3
Applied Art	1-3	♦Literature Course	3
Foreign Language	4	Health & Human Activity	1
	14-16	Elective	3
		Assessment Requirement	0-1
			16-17

♦Literature Courses: choose from World Lit I & II, Women in Lit I & II, Native American Lit, Western American Lit, Introduction to Folklore, Literary Genres or Film Appreciation.

●Writing Courses: choose from English II, Advanced Comp, Writing, Reporting & News Writing, Creative Writing, Prose I/II, Poetry I/II or Creative Writing Workshops.

Suggested Program for A.A. Degree with emphasis in Journalism

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Intro to Mass Media (COMM 1000)	3	English II (ENGL 1020) or Tech Writing (ENGL 2010) or Adv Comp (ENGL 1111)	3
English Composition I (ENGL 1010)	3	Intro to Human Comm (COMM 1040)	3
Foreign Language	4	Foreign Language	4
Computer Course	3	Graphic Design for Desktop Pub (COMM 2300)	3
Publication Production (COMM 1370)	1	Publication Production (COMM 1375)	1
Health & Human Activity	1	♦Computer Elective	1
	15	Health & Human Activity	1
			16

See next page



A.A. Journalism emphasis, continued

SOPHOMORE YEAR

Table with 4 columns: Semester, Course Name, Credit, and Semester. Lists Fall and Spring semester courses for Journalism emphasis, including Photography, Lab Science, US Government, Problem Solving, Publication Production, Social Science, Reporting, Social Science, Public Relations, and Publication Production. Total credits are 17 for each semester.

- Depending upon competency and interest, choose from any computer applications course, such as Computer Graphics: Expression Web, PowerPoint, Internet, Publisher.
• Students are encouraged to choose electives, which reflect their interests in the following areas: English/writing, business and marketing, psychology, political science, and art.

Program for 15 Credit Journalism Certificate

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

Required Core Courses:

Table listing required core courses: English Composition I (ENGL 1010), Introduction to Mass Media (COMM 1000), Reporting and Newswriting (COMM 2100), Public Relations (COMM 2270), and Internship: Communication (COMM 2470) with their respective credit values.

The following electives are recommended to enhance Certificate coursework:

Table listing recommended elective courses: Technical Writing (ENGL 2010), Introduction to Persuasion (COMM 2090), and Intro. to Human Communication (COMM 1040) with their respective credit values.

Suggested Program for A.A. Degree with emphasis in Spanish

FRESHMAN YEAR

Table with 4 columns: Semester, Course Name, Credit, and Semester. Lists Fall and Spring semester courses for Journalism emphasis with Spanish, including English Composition I, Lab Science, First Year Spanish I, Computer Course, Health & Human Activity, English II, First Year Spanish II, and Problem Solving or Pre Calc Algebra. Total credits are 15 for each semester.

SOPHOMORE YEAR

Table with 4 columns: Semester, Course Name, Credit, and Semester. Lists Fall and Spring semester courses for Journalism emphasis with Spanish, including US Government, Second Year Spanish I, Applied Art, Health & Human Activity, Humanities, Social Science, Social/Behavioral Science, Second Year Spanish II, Humanities or Elective, Electives, and Assessment Requirement. Total credits are 17 for each semester.

Suggested Program for A.A. Degree with emphasis in Western American Studies

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.

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English II (ENGL 1020 or 2010)	3
US Government	3	History of US West (HIST 1290)	3
Lab Science (from list below)	4	West. Amer. Lit (ENGL 2370)	3
Western Studies Elective (below)	3	College Level Math	3-4
Computer Course	3	Elective	3
	16	Health & Human Activity	1
			16-17

SUMMER – Students may take courses selected from various electives in Western Studies available.

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
North Amer. Indian (ANTH 2210)	3	Public Speaking (COMM 1010)	3
Native Amer. Literature (ENGL 2340)	3	First Year Spanish II (SPAN 1020)	4
Health & Human Activity	1	Western Studies Electives (below)	6
Western American Studies Seminar: (HUMN 2486) ..	3	Elective	2-3
Intro Natural Resources (G&R 1050)	3	Assessment Requirement	0-1
First Year Spanish I (SPAN 1010)	4		15-17
	17		

Western Studies Electives:

Humanities: ENGL 2310, ENGL 2320, ENGL 2390, SPAN 1010, 1020, 2030, 2040

Social Science: HIST 2290, HIST 1251, G&R 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

Program for 15 Credit 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.

To receive this academic certificate, students must complete, with a grade of C or better, five of the following six courses:

Western American Literature (ENGL 2370).....	3	Literary Genres:	
Western American Studies Seminar: (HUMN 2486) .	3	Literature of the Mountains (ENGL 2420).....	3
Film Appreciation: The Western Movie (ENGL 2470).....	3	Native American Literature (ENGL 2340).....	3
		Literature of Wyoming (ENGL 2390).....	3

Complete 5 of the 6 courses above (15 credits) or complete four of the above courses and one approved elective, selected from the following:
 ANTH 1100, 1200, 1250, 1300, BIOL 1210, 1220, 2310, 2410; G&R 1000, 1050; GEOL 1100, 1200; HIST 1251, 1290, 1340, 1410, 2290

C or better required in above courses to earn certificate.



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.

Look on page 94 for Pre-Health Science Programs

Suggested Program for A.S. Degree with emphasis in Biology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology (BIOL 1010)	4	Animal Biology (BIOL 2022)	4
General Chemistry I (CHEM 1020)	4	General Chemistry II (CHEM 1030)	4
English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010)	3
Math Course (MATH 1400 or higher)	3-5	Math Course (MATH 1405 or higher)	3-5
Health & Human Activity	1	US Government	3
	15-17		17-19

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Plant and Fungal Biology (BIOL 2023)	4	Microbiology (MOLB 2210)	4
Organic Chemistry I (CHEM 2320)	4	Organic Chemistry II (CHEM 2340)	4
General Physics I (PHYS 1110) or Psychobiology (BIOL 2080)	4	General Physics II (PHYS 1120) or ▲General Ecology (BIOL 2400) and Intro to Field Ecology (BIOL 2410)	4-5
Computer Course	3	Social Sci/Humanities/Appl Arts	6
Social Sci/Humanities/Appl Arts	3	Assessment Requirement	0-1
Health & Human Activity	1		
	19		18-19

▲= Offered only in Spring Semester of even numbered years

Suggested Program for A.S. Degree with emphasis in Chemistry

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	General Chemistry II (CHEM 1030).....	4
General Chemistry I (CHEM 1020)	4	Calculus II (MATH 2205)	5
Calculus I (MATH 2200).....	5	Foreign Language OR Elective	3-4
Computer Course	3	College Physics I (PHYS 1310).....	4
Health & Human Activity	1	Health & Human Activity	1
	16		17-18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Quant. Analysis (CHEM 2230)	5	US Government.....	3
Social Science/Humanities/Applied Arts.....	6	Humanities/Social Science/Applied Arts.....	3
College Physics II (PHYS 1320)	4	English Composition II (ENGL 1020).....	3
Organic Chemistry I (CHEM 2320)	4	Organic Chemistry II (CHEM 2340)	4
	19	Computer Course.....	3
		Assessment Requirement	0-1
			16-17

Suggested Program for A.S. Degree with emphasis in Engineering

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.

Suggested Program for A.S. Degree with emphasis in Engineering Engineering Plan I (Calculus-Ready Student)

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Orient. to Engineering (ES 1000).....	1	Technical Writing (ENGL 2010)	3
Eng. Computing (ES 1060)	3	Calculus II (MATH 2205)	5
English Comp I (ENGL 1010)	3	Chemistry II (CHEM 1030).....	4
Calculus I (MATH 2200).....	5	Physics I (PHYS 1310).....	4
Chemistry I (CHEM 1020)	4	Health and Human Activity.....	1
Health and Human Activity.....	1		17
	17		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Statics (ES 2110)	4	Dynamics (ES 2120).....	4
US Government.....	3	Calculus III (MATH 2210).....	5
Physics II (PHYS 1320).....	3	Appl. Differential Equations (MATH 2310)	3
Engineering Circuit Theory (ES 2211)	4	Humanities/Social Science/Applied Art Elective	3
Humanities/Social Science/Applied Art Elec	6	Mechanics of Materials (ES 2410).....	3
	21	Assessment Requirement	0-1
			18-19

Note: Student should talk with his/her advisor about suitable electives.
(Certain engineering fields like chemical, architectural and electrical may have other requirements.)

Science and Mathematics Program of Study

Engineering Plan II (Pre-Calculus Ready Student)

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Orient. to Engineering (ES 1000).....	1	Technical Writing (ENGL 2010)	3
English Composition I (ENGL 1010).....	3	Calculus I (MATH 2200).....	5
Precalculus Trigonometry (MATH 1405).....	5	Chemistry II (CHEM 1030).....	4
Chemistry I (CHEM 1020).....	4	Eng. Computing (ES 1060).....	3
Health and Human Activity.....	1		15
	14		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Calculus II (MATH 2205).....	5	Calculus III (MATH 2210).....	5
US Government.....	3	Physics I (PHYS 1310).....	4
Humanities/Social Science/Applied Art		Humanities/Social Science/Applied Art	
Electives.....	6	Electives.....	3
	14	Health and Human Activity.....	1
			13

THIRD YEAR

Fall Semester	Credit	Spring Semester	Credit
Statics (ES 2110).....	4	Dynamics (ES 2120).....	4
Electives.....	3	Mechanics of Materials (ES 2410).....	3
Physics II (PHYS 1320).....	4	Appl. Differential Equations (MATH 2310).....	3
Engineering Circuit Theory (ES 2211).....	4	Elective.....	3
	15	Assessment Requirement.....	0-1
			13-14

Note: Student should talk with his/her advisor about suitable electives.

Suggested Program for A.S. with an emphasis in Environmental Science

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.

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010).....	3	Technical Writing (ENGL 2010)	3
General Biology (BIOL 1010).....	4	▲General Ecology (BIOL 2400)	
Computer Applications Course.....	3	& Intro to Field Ecology (BIOL 2410).....	5
Precalculus Algebra (MATH 1400).....	4	Precalculus Trigonometry (MATH 1405).....	3
General Chemistry I (CHEM 1020).....	4	General Chemistry II (CHEM 1030).....	4
	18	Health & Human Activity.....	1
			16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Plant & Fungal Biology (BIOL 2023).....	4	Intro Natural Resources (G&R 1050).....	3
Organic Chemistry (CHEM 2320).....	4	Organic Chemistry (CHEM 2340).....	4
US Government.....	3	Intro Philosophy (PHIL 1000) or	
Public Speaking (COMM 1010).....	3	Ethics (PHIL 2300) or Humanities.....	3
Health & Human Activity.....	1	Animal Biology (BIOL 2022).....	4
	15	+Electives.....	4
		Assessment Requirement.....	0-1
			18-19

+Recommended Electives: History of the US West (HIST 1290), Intro to Geography (G&R 1000), Western American Studies Seminar (HUMN 2486), Statistics (STAT 2050) or Physical Geology (GEOL 1100)

▲= Offered only in Spring Semester of even numbered years

Suggested Program for A.S. Degree with emphasis in Geology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
General Chemistry I (CHEM 1020)	4	General Chemistry II (CHEM 1030).....	4
Calculus I (MATH 2200).....	5	Calculus II (MATH 2205).....	5
Physical Geology (GEOL 1100).....	4	Historical Geology (GEOL 1200).....	4
Health & Human Activity	1	Health & Human Activity	1
	17		17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Foreign Language.....	4	Foreign Language	4
US Government.....	3	Social Science/Humanities/Applied Arts.....	6
Humanities/Social Science/Applied Arts.....	3	Computer Course.....	3
Physics I (PHYS 1110)	4	Physics II (PHYS 1120)	4
Geomorphology (GEOL 2150).....	4	Assessment Requirement	0-1
	18		17-18

Suggested Program for A.S. Degree with emphasis in Mathematics

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020) or Tech Writing (ENGL 2010).....	3
Calculus I (MATH 2200).....	5	Calculus II (MATH 2205).....	5
Lab Science.....	4	Humanities/Social Science/Applied Arts.....	3
Intro to Comp Science I (COSC 1010).....	4	Science/ Computer Science Electives	3-4
Health and Human Activity	1	US Government.....	3
	17		17-18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Elem Linear Algebra (MATH 2250)	4	Calculus III (MATH 2210).....	5
Discrete Structures (MATH 2300)	3	Applied Differential Equations (MATH 2310)	3
Humanities/Social Science/Applied Arts.....	3	Humanities/Social Science/Applied Arts	3
Fund of Statistics (STAT 2050).....	4	Electives	3
Electives.....	3	Health & Human Activity	1
	17	Academic Portfolio/Capstone.....	1
			16

Suggested Program for A.S. Degree with emphasis in Pre-Forestry

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology I (BIOL 1010).....	4	●General Ecology (BIOL 2400).....	3
Computer Info Systems (COSC 1200).....	3	English Composition II (ENGL 1020).....	3
Precalculus Algebra (MATH 1400).....	4	Precalculus Trigonometry (MATH 1405) Or Elective.....	3
English Composition I (ENGL 1010).....	3	US Government.....	3
Health and Human Activity	1	●Intro to Field Ecology (BIOL 2410).....	2
+Elective courses	1-3	Health and Human Activity	1
	16-18	+Elective courses	1-3
			16-18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
General Chemistry I (CHEM 1020)	4	General Chemistry II (CHEM 1030).....	4
Plant and Fungal Biology (BIOL 2023)	4	Public Speaking (COMM 1010).....	3
Fund of Statistics (STAT 2050)	4	Intro to Natural Resources (G&R 1050).....	3
Physical Geology (GEOL 1100).....	4	Intro to Geography (G&R 1000)	3
	16	+Elective courses	3
		Assessment Requirement	0-1
			16-17

+Recommended Electives: BIOL 1210, BIOL 1220, BIOL 2022, MOLB 2210

●Offered in spring semesters of even numbered years

Suggested Program for A.S. with emphasis in Pre-Rangeland Ecology and Watershed Management

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology I (BIOL 1010)	4	Physical Geology (GEOL 1100).....	4
Introductory Chemistry (CHEM 1000).....	4	English Composition II (ENGL 1020).....	3
Precalculus Algebra (MATH 1400).....	4	Precalculus Trigonometry (MATH 1405).....	3
English Composition I (ENGL 1010).....	3	Health & Human Activity	1
Health & Human Activity	1	Animal Biology (BIOL 2022).....	4
	16	Computer Info Systems (COSC 1200).....	3
			18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Plant and Fungal Biology (BIOL 2023)	4	Public Speaking (COMM 1010).....	3
US Government.....	3	●General Ecology (BIOL 2400).....	3
Calculus I (MATH 2200).....	5	Intro to Natural Resources (G&R 1050).....	3
+Elective courses.....	3-6	General Microbiology (MOLB 2210).....	4
	15-18	●Intro to Field Ecology (BIOL 2410).....	2
		Fund of Statistics (STAT 2050).....	4
		Assessment Requirement	0-1
			19-20

+Recommended Electives: BIOL 1210, BIOL 1220

●Offered in spring semesters of even numbered years

Suggested Program for A.S. Degree with emphasis in Pre-Wildlife Biology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology I (BIOL 1010).....	4	Animal Biology (BIOL 2022).....	4
General Chemistry I (CHEM 1020)	4	General Chemistry II (CHEM 1030).....	4
Precalculus Algebra (MATH 1400).....	4	Precalculus Trigonometry (MATH 1405).....	3
English Composition I (ENGL 1010).....	3	Computer Info Systems (COSC 1200).....	3
Health & Human Activity	1	English Composition II (ENGL1020).....	3
	16		17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Plant and Fungal Biology (BIOL 2023)	4	US Government.....	3
Calculus I (MATH 2200).....	5	●General Ecology (BIOL 2400).....	3
Physical Geology (GEOL 1100)	4	Intro to Natural Resources (G&R 1050).....	3
or General Physics (PHYS 1110).....	4	Social Science or Humanities	3
Public Speaking (COMM 1010).....	3	●Intro to Field Ecology (BIOL 2410).....	2
Health & Human Activity	1	Fund of Statistics (STAT 2050).....	4
	17	Assessment Requirement	0-1
			18-19

●Offered in spring semesters of even numbered years

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 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.

Suggested Program for A.A. Degree with emphasis in Anthropology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Intro. to Archaeology (ANTH 1300)	3	Physical Anthropology (ANTH 1100)	3
Precalculus Algebra (MATH 1400).....	4	Statistics for Social Science (STAT 2070).....	4
General Biology (BIOL 1010)	4	Animal Biology (BIOL 2022).....	4
Cultural Anthropology (ANTH 1200)	3	Applied Arts.....	3
Health & Human Activity	1	Health & Human Activity	1
	18		18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Art History I (ART 2010)	3	Foreign Language	4
Foreign Language	4	Art History II (ART 2020)	3
World Ethnography (ANTH 2200).....	3	North American Indians (ANTH 2210)	3
US Government.....	3	Computer Info. Systems (COSC 1200).....	3
General Psychology (PSYC 1000)	4	Electives	3
	17	Assessment Requirement	0-1
			16-17

Suggested Program for A.A. Degree with emphasis in Archaeology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	Foreign Language	4
Lab Science (BIOL 1003 or BIOL 1010).....	4	English Composition II (ENGL 1020).....	3
Foreign Language	4	Physical Anthropology (ANTH 1100)	3
Precalculus Algebra (MATH 1400).....	4	Statistics for Social Science (STAT 2070).....	4
Health & Human Activity	1	Health & Human Activity	1
	16	Computer Info. Systems (COSC 1200).....	3
			18

SUMMER OR FALL

Prehistoric Arch Field Meth (ANTH 2311).....	4
Historical Arch Field Meth (ANTH 2312).....	4
	8

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Intro to Archaeology (ANTH 1300)	3	Applied Arts.....	3
Cultural Anthropology (ANTH 1200)	3	North American Indians (ANTH 2210)	3
World Ethnography (ANTH 2200).....	3	History of American Indians (HIST 2290).....	3
US Government.....	3	Physical Geology (GEOL 1100).....	4
Sociological Principles (SOC 1000)	3	Portfolio/Capstone (ANTH 2800)	2
	15		15

Social Sciences Programs of Study

Suggested Program for A.A. Degree with emphasis in Criminal Justice

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.

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	Technical Writing (ENGL 2010)	3
Problem Solving (MATH 1000) or Precalculus Algebra (MATH 1400)	3-4	Amer. & Wyo. Gov't. (POLS 1000)	3
+Intro. to Criminal Justice (CRMJ 2120)	3	Statistics for Social Science (STAT 2070)	4
General Psychology (PSYC 1000)	4	Computer Info Systems (COSC 1200)	3
Sociological Principles (SOC 1000)	3	●Ethics in Criminal Justice (CRMJ 2450)	3
	16-17	Health & Human Activity	1
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Intro to Chemistry (CHEM 1000)	4	First Year Spanish II (SPAN 1020)	4
First Year Spanish I (SPAN 1010)	4	Lab Science (BIOL 1003 or BIOL 1010)	4
+Criminal Law (CRMJ 2210)	3	Public Speaking (COMM 1010)	3
Drugs and Behavior (PSYC 2210)	3	Social Problems (SOC 1100)	3
Race and Ethnic Relations (SOC 2350)	3	+Criminology (CRMJ 2400)	3
Health & Human Activity	1	Assessment Requirement	0-1
	18		17-18

+ These are CRMJ Foundation courses. Required for UW Bachelor of Arts in CRMJ.

- CRMJ 2450, Ethics in Criminal Justice, is strongly encouraged by the WWCC Criminal Justice Advisory Board.

Program for 21 Credit Emergency Management Certificate

Emergency Management specialists coordinate disaster or crisis management activities. Emergency Management training will consist of preparing emergency plans and procedures for responding to natural, technological, or terrorism events, and coordinating consequence management after the disaster.

A certificate in Emergency Management is designed to enhance the capabilities of federal, state, local, and tribal government officials, volunteer organizations, and the public and private sectors to minimize the impact of natural or human-caused disasters on the public. The courses are structured to meet the needs of this diverse audience with an emphasis on how the various elements work together in emergencies to save lives and protect property.

Required Core Course

Principles of Emergency Management (EMGT 1500) 3

Choose 4 courses (12 credits) from the following:

Emergency Planning for Disaster (EMGT 1530)

Emergency Operations Center (EMGT 1630)

Emergency Resource Management (EMGT 1650)

Disaster Exercise Design & Evaluation (EMGT 2610) 3

Disaster Resource & Recovery Operations (EMGT 2640) 3

Choose 2 courses (6 credits) from the following:

Homeland Security: Critical Infrastructure (CRMJ 1015) 3

Homeland Security: Terrorist Groups (CRMJ 1015) .. 3

Homeland Security: Culture of Terror (CRMJ 1015) .. 3

Homeland Security: Incident Command for Law
Enforcement (CRMJ 1015)

Suggested Program for A.A. Degree with emphasis in History

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Foreign Language	4	Foreign Language	4
American & Wyoming Government (POLS 1000).....	3	Statistics for Social Science (STAT 2070)	4
Problem Solving (MATH 1000) OR		U.S. History II: From 1865 (HIST 1221)	3
Precalculus Algebra (MATH 1400).....	3-4	Wyoming History (HIST 1251).....	3
U.S. History I: To 1865 (HIST 1211).....	3		17
Health & Human Activity	1		
	17-18		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology (BIOL 1010)	4	Intro. to Philosophy (PHIL 1000) or	
Foreign Language	4	Film Appreciation (ENGL 2470), or Literature Course ..	3
Public Speaking (COMM 1010)	3	Western Civilization II (HIST 1120)	3
Western Civilization (HIST 1110).....	3	Chemistry, Physics, or Geology.....	4
History of the US West (HIST 1290)	3	History of Amer. Indians (HIST 2290).....	3
	17	Computer Info Systems (COSC 1200)	3
		Health & Human Activity	1
		Assessment Requirement	0-1
			17-18

NOTE: These suggested courses fulfill the University of Wyoming core curriculum requirements and the University of Wyoming College of Arts and Sciences requirements, with the single exception of the "quantitative reasoning" requirement. These courses also fulfill the University of Wyoming Block Transfer Certification requirements for History, including 12 credits of the same foreign language.

Suggested Program for A.A. Degree with emphasis in International Studies

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Foreign Language	4	Foreign Language	4
US Government.....	3	Statistics for Social Science (STAT 2070)	4
Problem Solving (MATH 1000)		Elective.....	3
or Pre-Calculus Algebra (MATH 1400)	3-4	Health & Human Activity	1
Cultural Anthropology (ANTH 1200)	3		15
	16-17		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Macroeconomics (ECON 1010)	3	Microeconomics (ECON 1020).....	3
Foreign Language	4	Foreign Language	4
General Biology (BIOL 1010)	4	Intro. to Philosophy (PHIL 1000), Film	
Public Speaking (COMM 1010)	3	Appreciation (ENGL 2470) or Literature Course	3
Computer Info Systems (COSC 1200).....	3	International Relations (POLS 2310).....	3
	17	Lab Science.....	4
		Assessment Requirement	0-1
			17-18

Social Sciences Programs of Study

Program for A.A.S. Degree in Law Enforcement

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.

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*+Intro. to Criminal Justice (CRMJ 2120)	3	+Criminal Investigation II (CRMJ 2560).....	3
+Criminal Investigation I (CRMJ 2550)	3	Technical Writing (ENGL 2010)	3
*+Intro to Law Enforcement (CRMJ 1900)	3	Problem Solving (MATH 1000)	3
*+Community Relations (CRMJ 1550)	3	US Government	3
English Composition I (ENGL 1010)	3	+Police Administration (CRMJ 2250).....	3
+Personalized Fitness (PEAC 2005)	2	+First Aid and CPR (HLED 1225).....	2
	17		17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*+Criminal Law I (CRMJ 2210)	3	*+Criminology (CRMJ 2400).....	3
Computer Info. Systems (COSC 1200).....	3	*Spanish for Law Enforcement (SPAN 1080).....	3
Juvenile Justice (CRMJ 2420).....	3	+Crisis Intervention (CRMJ 2580).....	3
+Drugs and Behavior (PSYC 2210) or		+Homeland Security (CRMJ 1015)	3
+Drugs and Criminal Justice (CRMJ 2590)	3	*+Criminal Procedures (CRMJ 2280).....	3
+Patrol Procedures (CRMJ 2510)	3	*+Ethics in Criminal Justice (CRMJ 2450).....	3
Public Speaking (COMM 1010) or			18
+Interpersonal Comm (COMM 1030)	3		
	18		

*Required courses to receive A.A.S. Degree in Law Enforcement (must be included in the 24 hours of degree area coursework for graduation)
 + 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 not 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.

Suggested Program for A.A. Degree with emphasis in Political Science

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Foreign Language	4	Foreign Language	4
Problem Solving (MATH 1000) or		U.S. History II: From 1865 (HIST 1221) or	
Precalculus Algebra (MATH 1400)	3-4	History of the U.S. West (HIST 1290).....	3
U.S. History I: to 1865 (HIST 1211).....	3	Computer Info Systems (COSC 1200)	3
Amer. & Wyo. Gov't (POLS 1000).....	3	Elective.....	3
	16-17		16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology (BIOL 1010)	4	Intro to Philosophy (PHIL 1000),	
International Relations (POLS 2310).....	3	Intro to Women's Studies (SOC 1080),	
Public Speaking (COMM 1010)	3	or Film Appreciation (ENGL 2470)	3
Terrorism (POLS 2128)	3	Non-Western Political Cultures (POLS 1200).....	3
History, Sociology, Anthro, Psych		History, Sociology, Anthro, Psych, or	
or Economics elective	3	Economics elective.....	3
Health & Human Activity	1	Health & Human Activity	1
	17	Statistics for Social Science (STAT 2070).....	4
		Lab Science.....	4
		Assessment Requirement	0-1
			18-19

Suggested Program for A.A. Degree with emphasis in Pre-Law

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Foreign Language	4	Foreign Language	4
Amer. & Wyo. Gov't. (POLS 1000).....	3	Cultural Anthropology (ANTH 1200)	
Problem Solving (MATH 1000)		or Non-Western Political Cultures (POLS 1200) .	3
or Precalculus Algebra (MATH 1400)	3-4	U.S. History II: From 1865 (HIST 1221) or	3
U.S. History I: To 1865 (HIST 1211).....	3	History of the US West (HIST 1290)	
	16-17	Health & Human Activity	1
		Computer Info Systems (COSC 1200)	3
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Macroeconomics (ECON 1010)	3	Microeconomics (ECON 1020).....	3
Principles of Accounting I (ACCT 2010).....	3	Intro. to Philosophy (PHIL 1000) or Literature Course ..	3
General Biology (BIOL 1010)	4	Statistics for Social Science (STAT 2070)	4
International Relations (POLS 2310).....	3	Lab Science	4
Public Speaking (COMM 1010)	3	Sociology or Political Science Elective	3
Health & Human Activity	1	Assessment Requirement	0-1
	17		17-18

*Literature course options: ENGL 2250, 2260, 2310, 2320, 2370.

Suggested Program for A.A. Degree with emphasis in Psychology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
General Psychology (PSYC 1000)	4	Psychology Elective.....	3
College Level Math (MATH 1000 or 1400)	3-4	English II (ENGL 1020 OR 2010)	3
English Composition I (ENGL 1010).....	3	Philosophy (PHIL 1000) or	
US Government.....	3	Women's Studies (SOC 1080)	3
Health & Human Activity	1	Non-Western Cultures (ANTH 1200, ANTH 2210	
Computer Info Systems (COSC 1200).....	3	or HIST 2040)	3
	17-18	General Biology (BIOL 1010).....	4
		Health & Human Activity	1
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Developmental Psychology (PSYC 2300).....	3	Research Methods (PSYC 2000).....	4
Statistics for Social Science (STAT 2070)	4	Foreign Language	4
Psychobiology (PSYC 2080) or		Chemistry (CHEM 1000).....	4
Drugs & Behavior (PSYC 2210)	3-4	Psychology Elective.....	3
Foreign Language	4	Academic Portfolio (HMDV 2410)	1
Public Speaking (COMM 1010)	3		16
	17-18		

Recommended Electives:

Intro to Counseling (PSYC 2050), Abnormal Psychology (PSYC 2340), Ethics & Diversity (PSYC 1060), Domestic Violence & Sexual Assault (PSYC 1300), Psychology of Adjustment (PSYC 2330), Social Psychology (PSYC 2380), and Internship (PSYC 2470).

Please note that some Psychology courses are offered only in the Fall, Spring, or alternate years.

These suggested courses should meet all University of Wyoming A&S 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 Programs of Study

Suggested Program for A.A. Degree with emphasis in Social Science (General)

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English II (ENGL 1020 or 2010)	3
Foreign Language	4	Foreign Language	4
Sociological Principles (SOC 1000)	3	Social Science Elective	3
General Psychology (PSYC 1000)	4	US Government	3
Public Speaking (COMM 1010)	3	Health & Human Activity	1
17		Intro to Phil. (PHIL 1000), Women in Lit. (ENGL 2250) or Intro. to Women's Studies (SOC 1080)	3
		17	

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Problem Solving (MATH 1000)	3-4	Statistics for Social Science (STAT 2070)	4
or Precalculus Algebra (MATH 1400)	3-4	U.S. History II: From 1865 (HIST 1221) or Elective	3
U.S. History I: To 1865 (HIST 1211) or Elective	3	Health & Human Activity	1
General Biology (BIOL 1010)	4	Chemistry, Physics or Geology	4
Cultural Anthro (ANTH 1200) or Chinese Civ (HIST 2040)	3	Electives	3
Computer Info Systems (COSC 1200)	3	Assessment Requirement	0-1
16-17		15-16	

Suggested Program for A.A. Degree with emphasis in Social Work

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020)	3
General Biology (BIOL 1010)	4	General Psychology (PSYC 1000)	4
Sociological Principles (SOC 1000)	3	Social Problems (SOC 1100)	3
US Government	3	Intro. to Social Work (SOC 2000)	3-4
Computer Info Systems (COSC 1200)	3	Film Appreciation (ENGL 2470) or Literature Course	3
16		Health & Human Activity	1
		17-18	

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Problem Solving (MATH 1000) or Precalculus Algebra (MATH 1400)	3-4	Statistics for Social Science (STAT 2070)	4
Macroeconomics (ECON 1010)	3	Psychobiology (PSYC 2080)	4
Cultural Anthropology (ANTH 1200)	3	Elective	3
Public Speaking (COMM 1010)	3	Health & Human Activity	1
Intro. to Philosophy (PHIL 1000)	3	Race & Ethnic Relations (SOC 2350)	3
Social Science Elective	3	Assessment Requirement	0-1
18-19		15-16	

Suggested Program for A.A. Degree with emphasis in Sociology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020)	3
Foreign Language	4	Foreign Language	4
Sociological Principles (SOC 1000)	3	Research Psychology Methods (PSYC 2000)	4
General Psychology (PSYC 1000)	4	Social Problems (SOC 1100)	3
Public Speaking (COMM 1010)	3	Health & Human Activity	1
17		15	

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
General Biology (BIOL 1010)	4	Statistics for Social Science (STAT 2070)	4
Problem Solving (MATH 1000)	3-4	Intro. to Women's Studies (SOC 1080)	3
or Precalculus Algebra (MATH 1400)	3-4	Chemistry	4
Intro. to Cultural Anthropology (ANTH 1200)	3	Race & Ethnic Relations (SOC 2350)	3
US Government	3	Health & Human Activity	1
Computer Info Systems (COSC 1200)	3	Elective	1-3
16-17		Assessment Requirement	0-1
		16-19	

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 automotive mechanics positions. There are two program options: the 64 credit hour program leading to an A.A.S. Degree and the 32 credit hour program leading to a one-year certificate. The student who completes either of these options will be able to operate front end and diagnostic equipment and repair automatic or manual transmissions, automotive brakes, air-conditioning systems and engines.

Program for A.A.S. Degree in Automotive Technology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Auto Electrical Systems I (AUTO 1765).....	3	*Heating & Air Cond. (AUTO 1760).....	3
*Auto Electrical Systems II (AUTO 1766)	3	*Engine Performance I (AUTO 2510)	3
*Auto Electronics (AUTO 1770)	3	*Engine Performance II (AUTO 2520)	3
*Manual Power Train Fund (AUTO 1690)	3	*Engine Performance III (AUTO 2590).....	3
English Composition I (ENGL 1010).....	3	Technical Writing (ENGL 2010)	3
Computer Info. Systems (COSC 1200)	3	Health & Human Activity	1
	18		16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Auto Transmissions (AUTO 1730).....	6	US Government	3
*Brake Systems (AUTO 1740)	3	Interpersonal Communication (COMM 1030)	3
*Adv Brakes & Suspension Sys(AUTO 2540).....	3	Macroeconomics (ECON1010) or Business Course. 3	3
*Auto Alignment & Steering Sys(AUTO 2545).....	3	Lab Science or College Level Math	3-4
*Engine Fundamentals (AUTO 1700)	3	•Approved Elective.....	3
	18	Health & Human Activity	1
		Assessment Requirement	0-1
			16-18

*Required courses to receive A.A.S. Degree in Automotive Technology must be passed with a "C" or better

•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

One-Year Certificate in Automotive Technology

Students must complete the following required courses (33 credits):

Engine Fundamentals (AUTO 1700).....	3
Brake Systems (AUTO 1740)	3
Heating and Air Conditioning (AUTO 1760)	3
Automotive Electrical Systems (AUTO 1765)	3
Automotive Electrical Systems II (AUTO 1766).....	3
Automotive Electronics (AUTO 1770).....	3
Adv. Brakes & Susp. Systems (AUTO 2540)	3
Auto. Alignment & Steering Systems (AUTO 2545) ...	3
Engine Performance I (AUTO 2510).....	3
Engine Performance II (AUTO 2520)	3
Engine Performance III (AUTO 2590).....	3

Students must complete all of the required courses plus a minimum of 6 credits from the following:

Manual Power Train Fundamentals (AUTO 1690)	3
Automatic Transmission (AUTO 1730)	6
Diesel Fundamentals (DESL 1595)	3
Diesel Engines (DESL 1600)	9
Concepts of Physics (PHYS 1050).....	4
Intro to Technical Mathematics (TECH 1000).....	3
Industrial Safety (TECH 1600)	3
Shielded Metal Arc Welding (WELD 1755).....	3

Diesel & Heavy Equipment Technology 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.

One-Year Certificate in Diesel Technology

Automotive Electrical Systems (AUTO 1765)	3
Automotive Electronics (AUTO 1770)	3
Manual Power Trains (AUTO 1690) or Heavy Duty Power Trains (DESL 1590)	3 or 6
Brake Systems (AUTO 1740) or Heavy Duty Brakes & Suspension (DESL 1680)	3
Diesel Fundamentals (DESL 1595)	3
Diesel Engines (DESL 1600)	9
Industrial Hydraulics I (INDM 1570)	3
TECH 1000, PHYS 1050 or MATH 1000 or Higher	3 or 4
Oxyacetylene Welding (WELD 1710 and WELD 1715) or Shielded Metal Arc Welding (WELD 1755)	3
	33 - 37

One-Year Certificate in Diesel Technology with CDL

Automotive Electrical Systems (AUTO 1765)	3
Manual Power Train Fundamentals (AUTO 1690) or Heavy Duty Power Trains (DESL 1590)	3 or 6
Brake Systems (AUTO 1740) or Heavy Duty Brake & Suspension (DESL 1680)	3
Diesel Fundamentals (DESL 1595)	3
Diesel Engines (DESL 1600)	9
Industrial Hydraulics I (INDM 1570)	3
Introduction to Technical Mathematics (TECH 1000), or Concepts of Physics (PHYS 1050), Problem Solving (MATH 1000), or higher	3 or 4
Oxyacetylene Welding (WELD 1710) and Oxyacetylene Cutting (WELD 1715), or Shielded Metal Arc Welding (WELD 1755)	3
Novice CDL Training (TTD 1500)	5
	35 - 39

Program For A.A.S. in Diesel & Heavy Equipment Mechanics

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Automotive Electrical Systems (AUTO 1765)	3	English Composition I (ENGL 1010)	3
*Diesel Fundamentals (DESL 1595)	3	Health & Human Activity	1
Manual Power Train Fundamentals (AUTO 1690)	3	*Diesel Engines (DESL 1600)	9
*Heavy Duty Power Trains (DESL 1590)	6	Computer Information Systems (COSC 1200)	3
*Automotive Electronics (AUTO 1770)	3		16
	18		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Industrial Hydraulics I (INDM 1570)	3	Industrial Safety (TECH 1600)	3
*HD Brake & Suspension (DESL 1680)	3	*Heating & Air Conditioning (AUTO 1760)	3
US Government	3	Interpersonal Communication (COMM 1030)	3
Technical Writing (ENGL 2010)	3	Concepts of Physics (PHYS 1050)	4
Health & Human Activity	1	Assessment Requirement	0-1
Shielded Metal Arc Welding (WELD 1755)	3		13-14
	16		

*Required courses for A.A.S. degree in Diesel and Heavy Equipment Mechanics

+Additional suggested electives: Industrial Hydraulics II (INDM 1580), Industrial Hydraulics III (INDM 1585), Novice CDL Training (TTD 1500)

Certificate Program in Diesel & Heavy Equipment Maintenance and Repair

Automotive Electrical Systems (AUTO 1765)	3
Automotive Electronics (AUTO 1770)	3
Heavy Duty Power Trains (DESL 1590)	6
Heavy Duty Brakes and Suspension (DESL 1680)	3
Diesel Fundamentals (DESL 1595)	3
Diesel Engines (DESL 1600)	9
Heating and Air Conditioning (AUTO 1760)	3
Industrial Hydraulics I (INDM 1570)	3
Industrial Hydraulics II (INDM 1580)	3
Industrial Hydraulics III (INDM 1585)	3
Welding (Choose any two from WELD 1755, 1760, 1770, 1840)	6
	45

Electrical and Instrumentation Technology

Western currently offers two certificate options and one A.A.S. degree in the electrical and instrumentation field - a 24 hour Certificate Program in Electricity, a 36 hour Certificate in Electronics/Instrumentation/Control Technology, and an A.A.S. Degree in Electrical & Instrumentation Technology.

The 24 hour certificate Program in Electricity fulfills the state of Wyoming's education requirements for apprentice electricians preparing for their Journeyman's License. The program is designed for students who are currently working as full time electrical apprentices and is a succession of eight, 3 credit night classes focusing on the NEC code regulations.

The 36 hour Certificate in Electronics/Instrumentation/Control Technology and the A.A.S. Degree in Electrical & Instrumentation are designed to provide the student with a wide variety of electrical courses to prepare them for a job as an electrical technician. The need for trained electrical technicians continues to climb in a wide variety of industries including: power plants, oil and gas production facilities, mining operations, and chemical processing plants. This program 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/Instrumentation/Control Technology One-Year Certificate

Required Core Curriculum of minimum 20.5-21 credits:

- Electrical Assembly & Measure (ELTR 1505) 3
- Basic Electricity - DC (ELTR 1520) 3
- Basic Electricity - AC (ELTR 1530) 3
- Instrumentation I (ELTR 1840, 1841, or 1850) 2.5-3
- Programmable Logic Controllers (ELTR 2815) 3
- Motor Controls (ELTR 2840) 3
- Intro to Technical Mathematics (TECH 1000) or any college level math (MATH 1000 or higher)..... 3

Remaining minimum 15-15.5 credit hours to be selected from the following:

- PLC for Industry: (ELTR 1030)1-3
- Process Control Techniques: (ELTR 1035)1-3
- Solid State Electronics (ELTR 1700) 4
- Digital Electronics (ELTR 1760) 4
- Control System Communications (ELTR 2620) 3
- Power Distribution (ELTR 2820) 3
- Remote Terminal Unit (ELTR 2844) 3
- Human Machine Interface Programming (ELTR 2846) ... 3
- Adv. Prog. Logic Controllers (ELTR 2855) 3
- Instrumentation II (ELTR 2885) 3
- Instrumentation III (ELTR 2890) 3
- Any Electrical Apprenticeship Course (ELAP).....max 3
- Industrial Hydraulics I (INDM 1570) 3
- Industrial Pneumatics (INDM 1590) 3
- Industrial Safety (TECH 1600) 3
- Reading Technical Schematics (TECH 1680) 3
- Computer Applications course.....1-3
- Approved Directly Related Electives1-6

24 hour Certificate Program in Electricity

Apprentices of Independent Electrical Contractors

- Elect Appren I (ELAP 1515) 3
- Elect Appren II (ELAP 1525) 3
- Elect Appren III (ELAP 1535) 3
- Elect Appren IV (ELAP 1545) 3
- Elect Appren V (ELAP 1555) 3
- Elect Appren VI (ELAP 1565) 3
- Elect Appren VII (ELAP 1575) 3
- Elect Appren VIII (ELAP 1585) 3

Program for A.A.S. Degree in Electrical & Instrumentation Technology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Elect. Assembly & Measure (ELTR 1505).....	3	*Instrumentation I (ELTR 1840, 1841, or 1850).....	2.5-3
*Basic Electricity - DC (ELTR 1520).....	3	*Instrumentation II (ELTR 2885).....	3
*Basic Electricity - AC (ELTR 1530).....	3	*▲ Additional ELTR course.....	3
English Composition I (ENGL 1010).....	3	Computer Info. Systems (COSC 1200).....	3
Health & Human Activity.....	1	Health & Human Activity.....	1
Lab Science or College Level Math.....	3-4	Technical Writing (ENGL 2010).....	3
	16-17		15.5-16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Motor Control (ELTR 2840).....	3	US Government.....	3
*Prog Logic Controllers (ELTR 2815).....	3	■ Directly Related Electives.....	6
*▲ Additional ELTR course.....	3	Interpersonal Comm. (COMM 1030).....	3
■ Directly Related Electives.....	9	*Control Systems Communication (ELTR 2620).....	3
	18	Assessment Requirement.....	0-1
			15-16

*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

■ 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

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.

Program for One-Year Certificate in Industrial Maintenance Technology (Mechanics/Hydraulics Option)

Industrial Mechanics I (INDM 1510).....	3
Industrial Mechanics II (INDM 1520).....	3
Industrial Mechanics III (INDM 1530).....	3
Industrial Mechanics IV (INDM 1540).....	3
Industrial Mechanics V (INDM 1550).....	3
Preventive Maintenance (INDM 1560).....	3
Industrial Hydraulics I (INDM 1570).....	3
Industrial Hydraulics II (INDM 1580).....	3
Industrial Hydraulics III (INDM 1585).....	3
Industrial Pneumatics (INDM 1590).....	3
Welding I - XII (WELD 1710-2660).....	9
Industrial Safety (TECH 1600).....	3
	42

Program for One-Year Certificate in Industrial Maintenance Technology (Mechanics/Welding Option)

Industrial Mechanics I (INDM 1510).....	3
Industrial Mechanics II (INDM 1520).....	3
Industrial Mechanics III (INDM 1530).....	3
Industrial Mechanics IV (INDM 1540).....	3
Industrial Mechanics V (INDM 1550).....	3
Preventive Maintenance (INDM 1560).....	3
Reading Technical Schematics (TECH 1680).....	3
Welding I-XII (WELD 1710-2660).....	18
	39

Program for A.A.S. Degree in Industrial Maintenance Technology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Ind Mechanics I-III (INDM 1510-1530)	9	*Ind Mechanics IV-V (INDM 1540-1550)	6
Computer Info Systems (COSC 1200)	3	*Preventive Maintenance (INDM 1560)	3
Concepts of Physics (PHYS 1050)	4	Machine Tool Proc I (MCH 2740)	4
Health & Human Activity	1	English Composition I (ENGL 1010)	3
	17	Health & Human Activity	1
			17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
●Approved Welding Courses	9	*Ind Hydraulics I -III (INDM 1570-1585)	6
*Ind Pneumatics (INDM 1590)	3	Industrial Safety (TECH 1600)	3
Technical Writing (ENGL 2010)	3	US Government	3
Interpersonal Comm (COMM 1030)	3	Assessment Requirement	0-1
	15		15-16

*Required courses receive A.A.S. degree in Industrial Maintenance.

●Any welding course (excluding WELD 1710, 2630 & 2635)

Program for One-Year Certificate in Power Plant Maintenance Mechanics

This one year 44 credit certificate program is designed to meet the needs of the power plant apprentice mechanics.

Industrial Mechanics I (INDM 1510)	3
Industrial Mechanics II (INDM 1520)	3
Industrial Mechanics III (INDM 1530)	3
Industrial Mechanics IV (INDM 1540)	3
Industrial Mechanics V (INDM 1550)	3
Preventive Maintenance (INDM 1560)	3
Welding Courses (WELD 1710-2660)	12
Machine Tool Processes I (MCH 2740)	4
Machine Tool Process II (MCH 2750)	4
General Metallurgy (TECH 1550)	3
Reading Technical Schematics (TECH 1680)	3
	44

Program for One-Year Certificate Program in Surface Maintenance Mechanics

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.

Industrial Mechanics I (INDM 1510)	3	Industrial Hydraulics I (INDM 1570)	3
Industrial Mechanics II (INDM 1520)	3	Industrial Hydraulics II (INDM 1580)	3
Industrial Mechanics III (INDM 1530)	3	Industrial Hydraulics III (INDM 1585)	3
Industrial Mechanics IV (INDM 1540)	3	Welding (WELD 1710-2660)	12
Industrial Mechanics V (INDM 1550)	3	Reading Technical Schematics (TECH 1680)	3
Preventive Maintenance (INDM 1560)	3		42

Program for One-Year Certificate in Underground Maintenance Mechanics

This one-year 39-credit certificate program is designed to meet the needs of one of our local industries. The program is designed to give the trainee additional mechanical, hydraulic, welding and electrical training which they can use in underground maintenance industry.

Industrial Mechanics I (INDM 1510)	3	Industrial Hydraulics I (INDM 1570)	3
Industrial Mechanics II (INDM 1520)	3	Industrial Hydraulics II (INDM 1580)	3
Industrial Mechanics III (INDM 1530)	3	Industrial Hydraulics III (INDM 1585)	3
Industrial Mechanics IV (INDM 1540)	3	Basic Electricity-DC (ELTR 1520)	3
Industrial Mechanics V (INDM 1550)	3	Basic Electricity-AC (ELTR 1530)	3
Preventive Maintenance (INDM 1560)	3	Welding (WELD 1710-2660)	6
			39

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

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

Automotive Electrical Systems (AUTO 1765).....	3	Basic Electricity - AC (ELTR 1530)	3
Automotive Electronics (AUTO 1770).....	3	PLC for Industry: (ELTR 1030).....	1-3
Industrial Mechanics I (INDM 1510).....	3	Instrumentation I (ELTR 1840).....	3
Industrial Mechanics II (INDM 1520).....	3	Motor Controls (ELTR 2840).....	3
Industrial Mechanics III (INDM 1530).....	3	Instrumentation II (ELTR 2885).....	3
Industrial Mechanics IV (INDM 1540).....	3	Computer Information Systems (COSC 1200).....	3
Industrial Mechanics V (INDM 1550).....	3	Reading Technical Schematics (TECH 1680).....	3
Preventive Maintenance (INDM 1560).....	3	Diesel Fundamentals (DESL 1595).....	3
Industrial Hydraulics I (INDM 1570).....	3	Diesel Engines (DESL 1600).....	9
Industrial Hydraulics II (INDM1580).....	3	Industrial Pneumatics (INDM 1590).....	3
Industrial Hydraulics III (INDM 1585).....	3	Welding course (WELD 1710-2660).....	3
Electrical Assembly & Measure (ELTR 1505).....	3		
Basic Electricity - DC (ELTR 1520).....	3		

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).

Program for A.A.S. Degree in Industrial Health & Safety

This is a flexible option program with many courses taught in intense short block courses of 1, 2, and 5 weeks.

Required Courses:

Industrial Safety (TECH 1600).....	3
Emergency Planning for Disaster (EMGT 1530).....	3
Disaster Resource & Recovery Operations (EMGT 2640).....	3
Basic Emergency Care (HLTK 1670).....	3
Health, Safety & Environmental Systems Mgmt (SAFE 1501).....	3
Fundamentals of Industrial Hygiene (SAFE 1502).....	3
Approved Management/Leadership courses	5-8

All courses listed are required (23-25 credits)

See next page

Directly Related Courses: 21 credits minimum from the following list

Electrical Safety Awareness I (ELTR 1501).....	1
Electrical Safety Awareness II (ELTR 1502).....	1
Principles of Emergency Management (EMGT 1500).....	3
Disaster Exercise Design & Evaluation (EMGT 2610).....	3
Special Topics in Industrial Maint: Fund of Rigging (INDM 1595).....	0.5
Introduction to Supervision (MGT 1000).....	3
Intro to Mining (MINE 1500).....	3
MSHA Surface New Miner (MINE 1850).....	1.5
MSHA Underground New Miner (MINE 1870).....	2
OGPT 1501 Well Cap Drilling.....	2.5
Hazardous Waste Oper & Emerg Response (HAZWOPER) (SAFE 1544).....	2.5
Energy Worker Safety Training (SAFE 1541).....	1.5
Energy Services Safety Orientation (SAFE 1542).....	2
Contractors Expectations Safety Orientation (SAFE 1543).....	0.5
Safety & Rigging for Industry (SAFE 1545).....	2.5
Novice CDL Training (TTD 1500).....	5

General Education Courses: All courses listed are required (20-22 credits)

English Composition I (ENGL 1010).....	3
Technical Writing (ENGL 2010).....	3
Computer Information Systems (COSC 1200).....	3
US Government.....	3
Interpersonal Communications, General Psychology, or Other Social Science, Applied Art, or Humanities.....	3
Science and/or Mathematics (MATH 1000, PHYS 1050, CHEM 1000).....	3-4
Health & Human Activity.....	2
Assessment Requirement.....	0-1

Program for Certificate in Industrial Safety (21 credits minimum)

Required Courses:

Computer course (COSC 1200 or CMAP 1750).....	3
Basic Emergency Care (HLTK 1670).....	3
+Communication course.....	3
•First Aid & CPR (HLED 1225) or equivalent certification.....	0-2
Industrial Safety (TECH 1600).....	3
Total Required	12-14

Directly-related course options—a minimum of 9 credits is required:

Prehospital Trauma Life Support (HLTK 1505).....	1
Special Topics in Industrial Maintenance: Fundamentals of Rigging (INDM 1595).....	.5
Intro. to Mining (MINE 1500).....	3
MSHA Surface New Miner (MINE 1850).....	1.5
MSHA Underground New Miner (MINE 1870).....	2
Health, Safety & Environmental Systems Management (SAFE 1501).....	3
Fundamentals of Industrial Hygiene (SAFE 1502).....	3
Energy Worker Safety Training (SAFE 1541).....	1.5
Energy Services Safety Orientation (SAFE 1542).....	2
Contractor Expectations Safety Orientation (SAFE 1543).....	5
Safety & Rigging for Industry (SAFE 1545).....	2.5
General Industry Safety I & II (SAFE 1551 & 1553).....	2.5
Construction Industry Safety I & II (SAFE 1552 & 1554).....	2.5
HAZWOPER (SAFE 1544).....	2.5
Well Cap Drilling – IADC (OGPT 1501).....	1
Electrical Safety Awareness I (ELTR 1501).....	1
Electrical Safety Awareness II (ELTR 1502).....	1
Novice CDL Training (TTD 1500).....	5
Other instructor approved courses.....	maximum of 6

+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

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.

Program for A.A.S. Degree in Mining Maintenance Technology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Industrial Mechanics I-III (INDM 1510-1530)	9	*Industrial Mechanics IV & V (INDM 1540, 1550)	6
English Composition I (ENGL 1010)	3	Interpersonal Communication (COMM 1030)	3
Concepts of Physics (PHYS 1050).....	4	Technical Writing (ENGL 2010)	3
	16	Industrial Safety (TECH 1600)	3
		Health & Human Activity	1
			16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Diesel Fundamentals (DESL 1595)	3	*Ind. Hydraulics I-III (INDM 1570, 1580, 1585).....	9
*Reading Technical Schematics (TECH 1680).....	3	*Mach. Tool Processes I (MCH 2740)	4
● Approved Welding Courses	6	*Intro to Mining (MINE 1500).....	3
US Government.....	3	Health & Human Activity	1
Computer Info. Systems (COSC 1200).....	3	Assessment Requirement	0-1
	18		17-18

* Required courses to receive A.A.S. Degree in Mining Maintenance Technology

● Any Welding Course (excluding WELD 1710, 2630 or 2635)

Program for One-Year Certificate in Mining Maintenance Technology

Ind. Mechanics I-V (INDM 1510-1550)	15
Reading Technical Schematics (TECH 1680).....	3
Industrial Hydraulics I-III (INDM 1570-1585)	9
Diesel Fundamentals (DESL 1595)	3
Industrial Safety (TECH 1600).....	3
Any 2 Welding Courses (excluding WELD 1710, 2630, or 2635).....	6
	39

Program for One-Year Certificate in Electrical Mine Maintenance

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.

Electrical Assembly & Measure (ELTR 1505).....	3
Basic Electricity-DC (ELTR 1520)	3
Basic Electricity - AC (ELTR 1530).....	3
Intro to Solid State Electronics (ELTR 1700)	4
Instrumentation I course (ELTR 1840, 1841, or 1850). 2.5-	3
Programmable Logic Controllers (ELTR 2815)	3
Power Distribution (ELTR 2820)	3
Motor Controls (ELTR 2840).....	3
Instrumentation II (ELTR 2885)	3
Reading Technical Schematics (TECH 1680).....	3
Computer Information Systems (COSC 1200) or College Level Math.....	3-4
	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.

Program for One-Year Certificate in Natural Gas Compression Technology

Industrial Safety (TECH 1600).....	3
Industrial Pneumatics (INDM 1590).....	3
Compression Technology I (CMPT 1510).....	3
Compression Technology II (CMPT 1520).....	3
Compression Technology III (CMPT 1530).....	3
Industrial Mechanics III (INDM 1530).....	3
Motor Controls (ELTR 2840).....	3
Instrumentation-Oil & Gas Prod. (ELTR 1850).....	3
Diesel Fundamentals (DESL 1595).....	3
Automotive Electrical (AUTO 1765).....	3
Basic Electricity-DC (ELTR 1520).....	3
Computer Info Systems (COSC 1200).....	3
36	

Program for A.A.S. Degree in Natural Gas Compression Technology

FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
*Oil & Gas Production I (OGPT 1510).....	3	*Compression Tech I (CMPT 1510).....	3
*Oil & Gas Production II(OGPT 1520).....	3	*Compression Tech II (CMPT 1520).....	3
*Oil & Gas Production III(OGPT 1530).....	3	*Compression Tech III (CMPT 1530).....	3
Computer Info Systems (COSC 1200).....	3	English Composition I (ENGL 1010).....	3
College Level Math (MATH 1000) or Concepts of Physics (PHYS 1050).....	3-4	Interpersonal Comm. (COMM1030).....	3
*Industrial Pneumatics (INDM 1590).....	3	Health & Human Activity.....	1
18-19		16	

SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
*Indus. Mechanics III (INDM 1530).....	3	*Motor Controls (ELTR 2840).....	3
*Diesel Fundamentals (DESL 1595).....	3	*Basic Electricity-DC (ELTR 1520).....	3
*Automotive Electrical Systems (AUTO 1765).....	3	* Instrumentation-Oil & Gas Prod. (ELTR 1850).....	3
Technical Writing (ENGL 2010).....	3	*Industrial Safety (TECH 1600).....	3
US Government.....	3	Reading Technical Schematics (TECH1680).....	3
Health & Human Activity.....	1	Assessment Requirement.....	0-1
16		15-16	

*Courses required for A.A.S. Degree in Natural Gas Compression Technology

T & I Programs of Study

Oil & Gas Production Technology

The Oil & 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.

Program for One-Year Certificate in Oil & Gas Production Operator

Fall Semester	Credit	Spring Semester	Credit
Industrial Safety (TECH 1600).....	3	*Industrial Pneumatics (INDM 1590).....	3
*Oil & Gas Production I (OGPT 1510).....	3	*Oil and Gas Pump Tech(OGPT 1515).....	3
*Oil & Gas Production II(OGPT 1520).....	3	*Oil & Gas Production IV(OGPT 1540).....	3
*Oil & Gas Production III(OGPT 1530).....	3	First Aid & CPR (HELD 1225).....	2
Interpersonal Comm (COMM 1030).....	3	Computer Info. Systems(COSC 1200).....	3
*Basic Electricity - DC (ELTR 1520).....	3	*Instrumentation-Oil & Gas Prod. (ELTR 1850).....	3
18		17	

* 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.

Program for A.A.S. Degree in Oil & Gas Production Technology

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Computer Info. Systems (COSC 1200).....	3	English Composition I (ENGL 1010).....	3
Industrial Safety (TECH 1600).....	3	*Industrial Pneumatics (INDM 1590).....	3
*Oil & Gas Production I (OGPT1510).....	3	*Oil & Gas Pump Tech (OGPT 1515).....	3
*Oil & Gas Production II (OGPT1520).....	3	*Oil and Gas Production IV (OGPT 1540).....	3
*Oil & Gas Production III (OGPT1530).....	3	First Aid & CPR (HLED 1225).....	2
15		Health & Human Activity.....	1
		15	

SUMMER SESSION

Summer Internship (OGPT 2470)..... 3 to 6 variable (Optional)

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Technical Writing (ENGL 2010).....	3	US Government.....	3
Interpersonal Comm (COMM 1030).....	3	Health & Human Activity.....	1
Preventive Maintenance (INDM 1560).....	3	*Basic Electricity - DC (ELTR 1520).....	3
Concepts of Physics (PHYS 1050).....	4	Directly Related Electives.....	6
*Instrumentation-Oil & Gas Prod. (ELTR 1850).....	3	Reading Technical Schematics (TECH 1680).....	3
16		Assessment Requirement.....	0-1
		16-17	

*Required to earn A.A.S. Degree in Oil & Gas Production Technology



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.

Program for One-Year Certificate in Welding Technology

Fabrication Shop Option

WELD 1715 Oxyacetylene Cutting.....	1
WELD 1755 Shielded Metal Arc Welding.....	3
WELD 1760 Adv. Shielded Mtl Arc Welding.....	3
WELD 1770 Gas Metal Arc Welding.....	3
WELD 1774 Gas Metal Arc Welding – Pipe.....	3
WELD 1776 Flux Cored Arc Welding – Pipe.....	3
WELD 1780 Gas Tungsten Arc Welding.....	3
WELD 1840 Groove Welding Plate.....	3
WELD 1960 Submerged Arc Welding.....	2
TECH 1550 Metallurgy.....	3
TECH 1600 Industrial Safety.....	3
TECH 1680 Reading Technical Schematics.....	3
	33

Program for A.A.S. Degree in Welding Technology

Fabrication Shop Option

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Oxyacetylene Cutting (WELD 1715).....	1	*Gas Metal Arc Welding (WELD 1770).....	3
*Shielded Metal Arc Welding (WELD 1755).....	3	*Gas Metal Arc Welding – Pipe (WELD 1774).....	3
*Adv. Shielded Metal Arc (WELD 1760).....	3	*Flux Cored Arc Welding – Pipe (WELD 1776).....	3
*Groove Welding Plate (WELD 1840).....	3	*Metallurgy (TECH 1550).....	3
*Industrial Safety (TECH 1600).....	3	English Composition I (ENGL 1010).....	3
*Reading Technical Schematics (TECH 1680).....	3	Health & Human Activity.....	3
US Government.....	3		18
	19		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Submerged Arc Welding (WELD 1960).....	2	*Pipe Weld I (WELD 2510).....	3
*Gas Tungsten Arc – Plate (WELD 1780).....	3	*Pipe Layout & Fabrication (WELD 2540).....	4
Technical Writing (ENGL 2010).....	3	*Welding Inspection Technology (WELD 2670).....	4
Approved Computer Course.....	3	Concepts of Physics (PHYS 1050).....	4
Health & Human Activity.....	1	Assessment Requirement.....	0-1
Interpersonal Communications (COMM 1030).....	3		15-16
	15		

*Required courses to receive A.A.S. degree in Welding Technology, Fabrication Shop Option

**Program for One-Year Certificate in Welding Technology
Industrial Plant Option**

WELD 1715 Oxyacetylene Cutting.....	1
WELD 1755 Shielded Metal Arc Welding.....	3
WELD 1760 Adv. Shielded Metal Arc Welding.....	3
WELD 1780 Gas Tungsten Arc Welding – Plate.....	3
WELD 1840 Groove Welding Plate.....	3
WELD 1950 SMAW Stainless Steel Basic.....	3
WELD 2510 Pipe Weld I: Schedule 40 Pipe.....	3
WELD 2520 Pipe Weld II: Schedule 80 Pipe.....	3
WELD 2650 Gas Tungsten Arc Welding – Pipe.....	3
TECH 1550 Metallurgy	3
TECH 1600 Industrial Safety	3
TECH 1680 Reading Technical Schematics.....	3
	34

**Program for A.A.S. Degree in Welding Technology
Industrial Plant Option**

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Oxyacetylene Cutting (WELD 1715)	1	*Groove Welding Plate (WELD 1840).....	3
*Shielded Metal Arc Welding (WELD 1755).....	3	*Pipe Welding I: Sch 40 – Pipe (WELD 2510)	3
*Adv. Shielded Metal Arc (WELD 1760).....	3	*Pipe Welding II: Sch 80 - Pipe (WELD 2520).....	3
*SMAW Stainless Steel Basic (WELD 1950).....	3	English Composition I (ENGL 1010)	3
*Industrial Safety (TECH 1600)	3	*Metallurgy (TECH 1550)	3
*Reading Technical Schematics (TECH 1680).....	3	Interpersonal Communication (COMM 1030)	3
US Government.....	3	Health & Human Activity	1
	19		19

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Pipe Layout & Fabrication (WELD 2540)	4	*Stainless Steel Pipe Welding (WELD 2660)	3
*Gas Tungsten Arc - Plate (WELD 1780).....	3	*Welding Inspection Technology (WELD 2670)	4
*Gas Tungsten Arc Welding – Pipe (WELD 2650).....	3	Concepts of Physics (PHYS 1050).....	4
Technical Writing (ENGL 2010)	3	Approved Computer Course.....	3
Health & Human Activity	1	Assessment Requirement	0-1
	14		14-15

*Required courses to receive A.A.S. Degree in Welding Technology, Industrial Plant Option.

**Program for One-Year Certificate in Welding Technology
Mine Maintenance Option**

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 Tungsten Arc Welding.....	3
WELD 1840 Groove Welding Plate.....	3
WELD 1950 SMAW Stainless Steel Basic.....	3
WELD 2530 Downhill Pipe Welding.....	3
TECH 1550 Metallurgy	3
TECH 1600 Industrial Safety	3
TECH 1680 Reading Technical Schematics.....	3
	33

**Program for A.A.S. Degree in Welding Technology
Mine Maintenance Option**

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
*Oxyacetylene Welding (WELD 1710).....	2	*SMAW Stainless Steel Basic (WELD 1950).....	3
*Oxyacetylene Cutting (WELD 1715).....	1	*Groove Welding Plate (WELD 1840).....	3
*Shielded Metal Arc Welding (WELD 1755).....	3	*Gas Metal Arc Welding (WELD 1770).....	3
*Adv. Shielded Metal Arc (WELD 1760).....	3	English Composition I (ENGL 1010).....	3
*Industrial Safety (TECH 1600).....	3	*Metallurgy (TECH 1550).....	3
*Reading Technical Schematics (TECH 1680).....	3	Health & Human Activity.....	1
US Government.....	3		16
	18		

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
*Pipe Weld I (WELD 2510).....	3	*Gas Tungsten Arc Weld – Plate (WELD 1780).....	3
*Downhill Pipe Welding (WELD 2530).....	3	*Pipe Layout & Fabrication (WELD 2540).....	4
Technical Writing (ENGL 2010).....	3	*Welding Inspection Technology (WELD 2670).....	4
Approved Computer Course.....	3	Concepts of Physics (PHYS 1050).....	4
Interpersonal Communication (COMM 1030).....	3	Assessment Requirement.....	0-1
Health & Human Activity.....	1		15-16
	16		

*Required courses to receive A.A.S. degree in Welding Technology, Mine Maintenance Option.



VISUAL & PERFORMING ARTS

The Visual & Performing Arts programs at Western are designed for an individual to explore and develop creative talents and abilities. Visual & Performing Arts can be the core of a general studies program and the student can earn an Associate of Arts degree with emphasis in Art, Ceramics, Dance, Music, Musical Theatre, Technical Theatre or Theatre. Students wishing a concentrated course of study may choose to earn an Associate of Fine Arts degree in Visual Arts: 2-D, Musical Theatre, or Technical Theatre. The Associate of Fine Arts degree prepares the student for professional work or future studies in a Bachelor of Fine Arts or Bachelor of Arts program.

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

Suggested Program for the A.A. Degree with emphasis in Art

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	Drawing II (ART 2005)	3
Drawing I (ART 1005)	3	Design: Color (ART 1130)	3
Design: 2D (ART 1110)	3	English Composition II (ENGL 1020).....	3
Design: 3D (ART 1120) or Ceramics I (ART 2410)	3	Health & Human Activity	1
Painting I (ART 2210).....	3	Painting II (ART 2220).....	3
Computer Info Systems (COSC 1200).....	3	US Government.....	3
Health & Human Activity	1	Social Science.....	3
	19	Studies in Art (ART 2479 - 2495)	1-3
			20-22

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Ceramics I (ART 2410) or Design 3D (ART 1120)	3	Painting III (ART 2230)	3
Social Science.....	3	Lab Science.....	4
Graphic Design I (ART 2120).....	3	Art History II (ART 2020)	3
Studies in Art (ART 2479 - 2495).....	1-2	Life Drawing (ART 2050).....	3
Art History I (ART 2010)	3	Printmaking I (ART 2090).....	3
College Level Math.....	3	Photography I (ART 1150).....	3
Health & Human Activity	1	Assessment Requirement	0-1
	17-18		19-20

Additional electives may be taken in ceramics and photography.

Program for A.F.A. Degree In Visual Arts: 2D

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
English Composition I (ENGL 1010)	3	English II (ENGL 1020, 1111 or 2010).....	3
Design 2D (ART 1110)	3	Design: Color (ART 1130)	3
Drawing I (ART 1005)	3	Drawing II (ART 2005)	3
Painting I (ART 2210).....	3	Painting II (ART 2220).....	3
Social Science.....	3	Social Science.....	3
Health & Human Activity	1	Computer Info Systems (COSC 1200)	3
	16		18

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Art History I (ART 2010)	3	Art History II (ART 2020)	3
Photography I (ART 1150) Comp. Art.....	3	Photography II (ART 1160).....	3
#2D Elective	3	Life Drawing (ART 2050).....	3
*3D Elective.....	3	Graphic Design I (ART 2120)	3
Lab Science/ College Level Math.....	3-4	#2D Elective/*3D Elective	3
Workshops/Studies/Spec Projects	1-3	US Government.....	3
Health & Human Activity	1	Fine Arts Portfolio (ART 2500).....	1
	17-20	Assessment Requirement	0-1
			19-20

Students must complete all classes listed before they will receive the degree.

#2D approved electives: ART 1176, 1178, 1250, 2090, 2095, 2150, 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.

Suggested Program for A.A. Degree with emphasis in Art: Ceramics

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Ceramics I (ART 2410).....	3	Ceramics II (ART 2420)	3
Design: 2D (ART 1110).....	3	Design: 3D (ART 1120).....	3
English Composition I (ENGL 1010)	3	Design: Color (ART 1130)	3
Drawing I (ART 1005).....	3	English Composition II (ENGL 1020).....	3
Workshop/Studies in Art.....	1	Social Science.....	3
Health & Human Activity	1	Workshop/Studies in Art.....	1
Computer Info Systems (COSC 1200).....	3	Health & Human Activity	1
	17		17

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Art History I (ART 2010)	3	Ceramic Studio (ART 2445)	3
College Level Math.....	3-4	Art History II (ART 2020)	3
Photography I (ART 1150).....	3	Drawing II (ART 2005)	3
US Government.....	3	Lab Science	4
Social Science.....	3	Ceramics IV (ART 2440)	3
Ceramics III (ART 2430).....	3	Workshop/Studies in Art.....	1
Workshop/Studies in Art.....	1	Assessment Requirement	0-1
	19-20		17-18

Visual & Performing Arts Programs of Study

Suggested Program for A.A. Degree with emphasis in Dance

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
Ballet I/I (THEA 1410).....	1	Ballet II/II (THEA 1420).....	1
Modern Dance I/I (THEA 1430).....	1	Modern Dance II/II (THEA 1440).....	1
Acting I (THEA 1100).....	3	Jazz I (THEA 1480).....	1
Dance Performance (THEA 1500).....	2	Dance Performance (THEA 1501).....	2
English Composition I (ENGL 1010).....	3	English Composition II (ENGL 1020).....	3
College Level Math.....	3-4	US Government.....	3
Core Conditioning for Whole Body Connectivity (THEA 1310).....	1	Nutrition (HOEC 1140).....	3
Computer Info Systems (COSC 1200).....	3	Stage Make-up (THEA 2160).....	2
	17-18	General Biology (BIOL 1010).....	4
			20

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
Ballet II/I (THEA 2410).....	1	Ballet II/II (THEA 2420).....	1
Modern Dance II/I (THEA 2430).....	1	Modern Dance II/II (THEA 2440).....	1
Jazz II (THEA 2480).....	1	Tap Dance (THEA 1450).....	1
Beg Choreography (THEA 2215).....	2	Human Anatomy & Phys II (BIOL 2015).....	4
Dance Performance (THEA 1502).....	2	Dance Performance (THEA 1503).....	2
Human Anatomy & Phys I (BIOL 2010).....	4	General Psychology (PSYC 1000).....	4
Interpersonal Comm (COMM 1030).....	3	Stage Lighting (THEA 2230).....	3
Stagecraft (THEA 2220).....	3	Assessment Requirement (HMDV 2410).....	0-1
	17		16-17

Suggested Program for A.A. Degree with emphasis in Music

FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
+Music Theory (MUSC 1030, 1035).....	4	+Music Theory (MUSC 1040, 1045).....	4
+Class Piano I (MUSC 1290).....	1	+Class Piano II (MUSC 1291).....	1
Applied Music.....	2	Applied Music.....	2
Ensemble.....	1	Ensemble.....	1
Intro. to Music (MUSC 1000).....	3	English Composition II (ENGL 1020).....	3
English Composition I (ENGL 1010).....	3	General Psychology (PSYC 1000).....	4
Computer Info Systems (COSC 1200).....	3	Health & Human Activity.....	1
	17		16

SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
+Music Theory (MUSC 2030, 2035).....	4	+Music Theory (MUSC 2040, 2045).....	4
+Class Piano III (MUSC 1295).....	1	+Class Piano IV (MUSC 1296).....	1
Music History Survey I (MUSC 2050).....	3	Music History Survey II (MUSC 2055).....	3
Applied Music.....	2	Applied Music.....	2
Ensemble.....	1	Ensemble.....	1
Lab Science.....	4	College Level Math.....	3-4
US Government.....	3	Health & Human Activity.....	1
	18	Intro. to Cult. Anthro. (ANTH 1200).....	3
		Assessment Requirement.....	0-1
			18-20

+Courses generally required for music majors at a four-year institution.

Additional suggested electives: MUSC 2015 Intro to Music of the World, MUSC 1436 Computerized Audio Production I: MIDI, MUSC 1437 Computerized Audio Production II: MIDI, MUSC 2410 Sound Reinforcement I, MUSC 2420 Sound Reinforcement II, MUSC 2415 Recording Arts I, MUSC 2425 Recording Arts II, MUSC 2500 Music Portfolio

Musical Theatre

The Musical Theatre Program 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 approach with emphasis on an organic process leading to a truthful and energized performance. General education courses also assist students as they make choices concerning their future. Musical Theatre is a demanding field often requiring more than four years of study. Based upon the individual student's career objectives, the student may choose between the five-semester Associate of Fine Arts Degree and the four-semester Associate of Arts degree.

Program for A.F.A. Degree in Musical Theatre

The AFA degree is offered for students considering careers as professional performing artists. The course work will prepare a student for 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 performing arts and is also ideal for preparing a student for the diverse demands teachers face in the performing arts.

The degree is designed to give the student an essential core of classes in Music, Dance, Theatre and Musical Theatre. **All of the following courses must be taken.**

Musical Theatre Core (22 credits)

Acting for Mus Theatre I (THEA 1110)	3
Acting for Mus Theatre II (THEA 2110)	3
Mus Thea His. & Lit (THEA 1120)	3
Singing for the Actor II (THEA 1374)	1
Theatre Practice I-III (THEA 2050-2052)	12

Theatre Core (12 credits)

Beg. Acting I (THEA 1100)	3
Intro to Theatre (THEA 1000)	3
Theatre Ethics (THEA 1025)	1
Stage Makeup (THEA 2160)	2
Stagecraft (THEA 2220)	3

General Education Requirements (21-24 credits)

English Composition I (ENGL 1010)	3
English Composition II (ENGL 1020)	3
Science/Math	3-4
Social Science	3-4
Social Science	3-4
US Government	3
**Computer Info Systems (COSC 1200)	3

Dance Core (7 credits)

Modern Dance I/I (THEA 1430)	1
Modern Dance I/II (THEA 1440)	1
Ballet I/I (THEA 1410)	1
Ballet I/II (THEA 1420)	1
Jazz I (THEA 1480)	1
Jazz II (*THEA 2480)	1
Tap I (THEA 1450)	1

Music Core (8 credits)

Written Theory I (THEA 1030)	3
Aural Theory I (THEA 1035)	1
Class Piano (MUSC 1290) or Applied Music (Piano) (MUSC 2073)	1
Singing for the Actor I (THEA 1373)	1
Vocal Ensemble (THEA 1460)	1
Vocal Ensemble (THEA 1460)	1

Visual & Performing Arts Programs of Study

Musical Theatre Electives (15 credits)

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 fifteen (15) credits from the following must be selected.

Acting II (THEA 2100).....	3	Applied Music IV (Piano).....	1
Beginning Directing I (THEA 2165).....	3	Symphonic Band (MUSC 1375).....	1
Theatre Portfolio (THEA 2500).....	1	Jazz Ensemble I (MUSC 1390).....	1
Special Topics in Theatre (THEA 2490).....	1-4	Collegiate Chorale (MUSC 1400).....	1
*Modern Dance II/I (THEA 2430).....	1	Vocal Ensemble (MUSC 1450).....	1
*Modern Dance II/II (THEA 2440).....	1	Instrumental Ensemble (MUSC 1485).....	1
*Ballet II/I (THEA 2410).....	1	Piano Ensemble (MUSC 1490).....	1
*Ballet II/II (THEA 2420).....	1	Recording Arts I (MUSC 2415).....	2
*Tap II (THEA 2450).....	1	Recording Arts II (MUSC 2425).....	2
Beginning Choreography (THEA 2215).....	2	Stage Management (THEA 2150).....	3
Dance Performance I (THEA 1500).....	2	Comp. Aided Draft. for Th. (THEA 2250).....	3
Dance Performance II (THEA 1501).....	2	Stage Lighting (THEA 2230).....	3
Dance Performance III (THEA 1502).....	2	Costume Construction (THEA 2145).....	2
Dance Performance IV (THEA 1503).....	2	Sound Reinforcement I (THEA 2610).....	2
Dance Performance V (THEA 1504).....	2	Sound Reinforcement II (MUSC 2420).....	2
Dance Performance VI (THEA 1505).....	2	Intro to Stage Design (THEA 1200).....	3
Written Theory II (MUSC 1040).....	3	Beg. Scenic Design (THEA 2125).....	3
Aural Theory II (MUSC 1045).....	1	Beg. Lighting Design (THEA 2270).....	3
Written Theory III (MUSC 2030).....	3	Beg. Costume Design (THEA 2175).....	3
Aural Theory III (MUSC 2035).....	1	Sound Design (THEA 2615).....	2
Written Theory IV (MUSC 2040).....	3	Theatre Practice I (THEA 2050).....	1
Aural Theory IV (MUSC 2045).....	1	Theatre Practice II (THEA 2051).....	2
Applied Music I (Voice).....	1	Tech. Theatre Internship (THEA 2971).....	1-4
Applied Music III (Voice).....	1	Th. Mgmt. Internship (THEA 2972).....	1-4
Applied Music IV (Voice).....	1	Rehearsal Accompanist Internship (THEA 2973).....	1-6
Applied Music I (Piano).....	1		
Applied Music II (Piano).....	1		
Applied Music III (Piano).....	1		

The student may choose from any of these electives to create their own emphasis, but three emphasis options have been formed by concentrating on specific groupings of the electives. We suggest the students choose one of these following groupings for their fifteen (15) electives.

Dance Emphasis

Mod. Dance II/I (THEA 2430).....	1
Mod. Dance II/II (THEA 2440).....	1
Ballet II/I (THEA 2410).....	1
Ballet II/II (THEA 2420).....	1
Tap II (THEA 2450).....	1
Choreography (THEA 2215).....	2
Dance Perf. I (THEA 1500).....	2
Dance Perf. II (THEA 1501).....	2
Dance Perf. III (THEA 1502).....	2
Dance Perf. IV (THEA 1503).....	2

Music Emphasis

Music Theory II (MUSC 1040).....	3
Aural Theory II (MUSC 1045).....	1
Music Theory III (MUSC 2030).....	3
Aural Theory III (MUSC 2035).....	1
Music Theory IV (MUSC 2040).....	3
Aural Theory IV (MUSC 2045).....	1
Applied Music I (Voice).....	1
Applied Music II (Voice).....	1
Applied Music I or II (Piano).....	1

Composite Emphasis

Acting II (THEA 2100).....	3
Directing I (THEA2165).....	3
Stage Manage. (THEA 2150).....	3
Modern Dance II/I (THEA 2430).....	1
Modern Dance II/II (THEA 2440).....	1
Ballet II/I (THEA 2410).....	1
Ballet II/II (THEA 2420).....	1
Applied Music I (Voice).....	1
Applied Music II (Voice).....	1

Recommended semester by semester schedules for each of these emphases are available from your advisor.

The total credit requirements for the AFA in Musical Theatre are between 85-88 credits. Please be advised that this is an intensive course of study well beyond the scope of most associate degree programs (which are around 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.

* Level II dance technique classes may be repeated three times for credit and may replace Level I classes in the curriculum.

** Students with computer proficiency may be able to test out of this course.

Suggested Program for A.A. Degree with emphasis in Musical Theatre

The AA degree is offered for those looking at a more traditional course of study and can usually be completed in four semesters. The AA degree prepares a student to transfer to a Bachelor of Arts program at a four year institution. All AA degrees at Western have the same general education and elective requirements. The following program of study is suggested for students who want to meet the requirements for an AA degree by emphasizing Musical Theatre as their major.

FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
*Comp. Info. Systems (COSC 1200)	3	Social Science.....	3
Beginning Acting (THEA 1100).....	3	Introduction to Theatre (THEA 1000).....	3
Modern Dance I/I (THEA 1430).....	1	Modern Dance I/II (THEA 1440).....	1
Theatre Ethics (THEA 1025).....	1	Tap Dance I (THEA 1450)	1
Stage Makeup (THEA 2160).....	2	Jazz Dance I (THEA 1480).....	1
Theatre Practice III (THEA 2052).....	3	Theatre Practice III (THEA 2052).....	3
Singing for Actor I (THEA 1373).....	1	Singing for Actor II (THEA 1374)	1
	17		16

SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
US Government.....	3	College Level Math.....	3
Acting for Mus. Th. (THEA 1110)	3	Lab Science.....	4
Ballet I/I (THEA 1410)	1	Social Science.....	3
Jazz Dance II (THEA 2481)	1	Ballet I/II (THEA 1420)	1
Theatre Practice III (THEA 2052).....	3	Am Mus Th Hist & Lit (THEA 1120)	3
Written Theory I (THEA 1030)	3	Acting II (THEA 2100) or	
Aural Theory I (THEA 1035).....	1	Acting for Mus. Th. II (THEA 2110)	3
Class Piano I (MUSC 1290)	1	Theatre Practice III (THEA 2052).....	3
	16	Assessment Requirement	0-1
			20-21

*Students with computer proficiency may be able to test out of this course.

Level II dance techniques courses may be repeated up to three times for credit and may replace Level I courses in the curriculum.

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 for Technical Theatre students to choose from. The Associate of Fine Arts Degree is five-semester program and the Associate of Art Degree is a four-semester program.

Program for A.F.A. Degree in Technical Theatre

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.

Visual & Performing Arts Programs of Study

Core Requirements

The degree is designed to give the student an essential core of theatre classes. All of the following courses must be taken.

Technical Theatre Core Requirements (25 credits)

Stagecraft (THEA 2220)	3
Stage Management (THEA 2150)	3
Theater Ethics (THEA 1025).....	1
Beginning Acting (THEA 1100).....	3
Theatre Portfolio (THEA 2500).....	1
Stage Make-up (THEA 2160)	2
Intro to Stage Design (THEA 1200).....	3
Intro to Theatre (THEA 1000).....	3
Theatre Practice I (THEA 2050).....	1
Theatre Practice II (THEA 2051)	2
Theatre Practice III (THEA 2052).....	3

Design Series

Additionally, the student will be required to build upon this core foundation by taking three of the following four series of courses. Completion of three of the four sets will require 15-17 credit hours of course work.

Scenic Series (6 credits)

Computer Aided Design I (THEA 2250)
Beginning Scenic Design (THEA 2125)

Sound Series (4 credits)

Sound Reinforcement (THEA 2610)
Sound Design (THEA 2615)

Lighting Series (6 credits)

Stage Lighting (THEA 2230)
Beg Lighting Design (THEA 2270)

Costume Series (5 credits)

Costume Construction (THEA 2145)
Beg Costume Design (THEA 2175)

Applied Complimentary Art (3 credits)

A minimum of three (3) credits is necessary to complete the Applied Complimentary Art requirement.

Drawing I (ART 1005)
Design 3D (ART 1120)
Sculpture I (ART 1310)
Ceramics I (ART 2410)
Sculpture I (ART 1310)
Written Theory I (MUSC 1030)

Design 2D (ART 1110)
Photo I (ART 1150)
Painting I (ART 2210)
Color Photography I (ART 2150)
Public Speaking (COMM 1010)
Aural Theory I (MUSC 1035)

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.

Related Course Work (6 credits)

Drawing I (ART 1005)
Design 3D (ART 1120)
Photo I (ART 1150)
Life Drawing I (ART 2050)
Sculpture I (ART 1310)
Ceramics I (ART 2410)
Ceramics II (ART 2420)
Computer Graphics (CMAP 2600)
Non Verbal Communication (COMM 2110)
Basic Electricity-DC (ELTR 1520)
Recording Arts I (MUSC 2415)
Recording Arts II (MUSC 2425)
Welding for the Arts II (WELD 2635)
Acting II (THEA 2100)

Design 2D (ART 1110)
Design: Color (ART 1130)
Photo II (ART 1160)
Color Photo I (ART 2150)
Painting I (ART 2210)
Painting II (ART 2220)
Graphic Design I (ART 2120)
Presentation Graphic (CMAP 2630)
Elect Assembly & Measure (ELTR 1505)
Basic Electricity-AC (ELTR 1530)
Sound Reinforcement II (MUSC 2420)
Welding for the Arts I (WELD 2630)
Beginning Directing (THEA 2165)

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.

English Composition I (ENGL 1010).....	3
English Composition II (ENGL 1020).....	3
Science/Math.....	3-4
Social Science.....	3-4
Social Science.....	3-4
US Government	3
*Comp Info Systems (COSC 1200).....	3
+Health & Human Activity.....	1
+Health & Human Activity.....	1
Assessment Requirement	0-1

*Students with computer proficiency may be able to test out of this course.

+ Approved Health & Human Activity/Dance Electives, Any THEA Dance course, PEAC 1273 Weight Training & Conditioning, PEAC 1287 Rock Climbing I, PEAC 1387 Indoor Rock Climbing, PEAC 2018 Advanced Lifesaving, PEAC 2088 Rock Climbing II

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.

Suggested Program for A.A. Degree with emphasis in Technical Theatre

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.

FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
Stagecraft (THEA 2220).....	3	Intro to Stage Design (THEA 1200)	3
Stage Management (THEA 2150).....	3	Theater Practice (THEA 2051).....	2
Computer Aided Design I (THEA 2250).....	3	English Composition I (ENGL 1010).....	3
Theatre Practice (THEA 2050).....	1	US Government.....	3
Social Science.....	3	College Level Math.....	3-4
Computer Info Systems (COSC 1200).....	3	+Approved Health & Human Activity/Dance.....	1
Theater Ethics (THEA 1025).....	1		15-16
	17		

SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
Beginning Acting (THEA 1100).....	3	Intro to Theater (THEA 1000).....	3
Theatre Practice (THEA 2052).....	3	Stage Make-up (THEA 2160).....	2
English Composition II (ENGL1020).....	3	Social Science.....	3
Costume Construction (THEA 2145)	2	•Approved Suggested Electives.....	6
Lab Science.....	4	Theatre Portfolio (THEA 2500).....	1
Sound Reinforcement (THEA 2610).....	2	Assessment Requirement	0-1
+Approved Health & Human Activity/ Dance.....	1		15-16
	18		

•Approved Suggested Electives

ART 1005 Drawing I
 ART 1120 Design 3D
 ART 1150 Photo I
 ART 2050 Life Drawing I
 ART 1310 Sculpture I
 ART 2410 Ceramics I
 ART 2420 Ceramics II
 CMAP 2600 Computer Graphics
 ELTR 1505 Electrical Assembly & Measure
 MUSC 2415 Recording Arts I
 MUSC 2425 Recording Arts II
 THEA 2125 Beginning Scenic Design
 THEA 2270 Beginning Lighting Design
 THEA 2165 Beginning Directing
 WELD 2635 Welding for the Arts I

ART 1110 Design 2D
 ART 1130 Design: Color
 ART 1160 Photo II
 ART 2150 Color Photo I
 ART 2210 Painting I
 ART 2220 Painting II
 ART 2120 Graphic Design
 CMAP 2630 Presentation Graphics
 ELTR 1520 Basic Electricity-DC
 ELTR 1530 Basic Electricity-AC
 THEA 2615 Sound Design
 THEA 2175 Beg Costume Design
 THEA 2100 Acting II
 WELD 2630 Welding for the Arts I

+Approved Health & Human Activity/Dance Electives

Any THEA Dance course
 PEAC 1037 Indoor Rock Climbing
 PEAC 1273 Weight Training & Conditioning
 PEAC 1287 Rock Climbing I
 PEAC 2018 Advanced Lifesaving
 PEAC 2088 Rock Climbing II

Program for One-Year Certificate in Technical Theatre

Fall Semester	Credit
Stagecraft (THEA 2220)	3
Theatre Practice I (THEA 2050).....	1
Sound Reinforcement I (THEA 2610).....	2
Stage Management (THEA 2150)	3
*Related Courses.....	4
	15

Spring Semester	Credit
Stage Lighting (THEA 2230)	3
Theatre Practice II (THEA 2051)	2
Sound Design (THEA 2615).....	2
*Related Courses	7
	15

*Related Course Work	Credits
Welding for the Arts I (WELD 2630)	3
Welding for the Arts II (WELD 2635).....	3
Design 2D (ART 1110)	3
Design 3D (ART 1120)	3
Design Color (ART 1130)	3
Photography I (Beg) (ART 1150)	3
Photography II (Inter) (ART 1160).....	3
Electrical Assembly and Measures (ELTR 1505).....	3
Computer-Aided Drafting (ES 2230)	3
Introduction to Theatre (THEA 1000)	3
Beginning Acting I (THEA 1100)	3
Intro to Stage Design (THEA 1200).....	3
Stage Makeup (THEA 2160).....	2

Suggested Program for A.A. Degree with emphasis in Theatre

FRESHMAN YEAR

Fall Semester	Credits	Spring Semester	Credits
English Composition I (ENGL 1010)	3	English Composition II (ENGL 1020).....	3
Beg. Acting (THEA 1100)	3	Intro to Theatre (THEA 1000).....	3
Stage Management (THEA 2150)	3	Stage Lighting (THEA 2230)	3
Stagecraft (THEA 2220)	3	Comp. Info Systems (COSC 1200).....	3
Theatre Practice III (THEA 2052).....	3	*Health & Human Activity	1
*Health & Human Activity.....	1	Acting II (THEA 2100).....	3
	16		16

SOPHOMORE YEAR

Fall Semester	Credits	Spring Semester	Credits
Social Science	3	College Level Math.....	3
US Government	3	Lab Science.....	4
Stage Makeup (THEA 2160).....	2	Social Science.....	3
Theatre Practice III (THEA 2052).....	3	Beginning Directing (THEA 2165).....	3
Electives (From THEA).....	3	Electives (From THEA).....	5
	14	Assessment Requirement	0-1
			18-19

*Dance courses are recommended to fulfill the Health & Human Activity requirement

COURSE DESCRIPTIONS



INDIVIDUAL COURSE DESCRIPTIONS

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Course Descriptions

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
ITEC	Instructional Technology
MGT	Management & Supervision
MKT	Marketing
MOA	Medical Office Assistant

Developmental Studies

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

Health Science

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

Humanities

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

Science & Mathematics

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

Social Science & Services

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

Technology & Industry

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

Visual & Performing Arts

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

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

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 followed by discussion and interaction. (Minimum 750 minutes per credit hour.)

PROBLEM BASED LEARNING: A course in which the primary method of learning is interactive group work using realistic case studies. Faculty members serve as facilitators of learning. Through Problem Based Learning, students develop skills to become life-long 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).

“Hands On” Out-of-the-Classroom Learning

INTERNSHIP: This method of instruction places the student in the workplace in a position that is related to their major. Position may be paid or unpaid. The supervising instructor must submit a complete course outline to the Registrar that covers all of the guidelines established in the WWCC catalog. In most cases a position must be available and agreed upon between the student and the instructor of record before the student registers for the class. (Minimum 3750 minutes per credit hour.)

CLINICAL or PRACTICUUM: A course in which supervised students apply previously studied theory in the field. (Minimum 2250 minutes per credit hour.)

FIELD SCHOOL or FIELD STUDY: A field school/study is a classroom without walls where lectures are 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.

Course Descriptions

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

STUDIES IN: 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.)

TOPICS & WORKSHOP COURSES

Each department offers courses that address current trends. These courses are numbered with the department prefix and 2490, 2495, 2990 and 2995. Students should keep the course outline as it may be required if transferring credit to another institution.

ACCOUNTING

ACCT 2010

PRINCIPLES OF ACCOUNTING I

Credit 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 interest parties. Prerequisite: MATH 0930 or Math ACT of 23 or 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

Credit 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:

Credit 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

Credit 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, BOTK 2810, or instructor permission

ACCT 2610

MANAGERIAL ACCOUNTING

Credit 3

This course studies cost accumulation methods, accounting and reporting. It focuses on the concepts and procedures of 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 2020

ANTHROPOLOGY

ANTH 1100

INTRODUCTION TO PHYSICAL ANTHROPOLOGY

Credit 3

Physical Anthropology covers the development and evolution of both living and fossil man. Included are primate studies, man's physical variations, genetics, osteology, and early behavior habits. The study of man's evolution, his distribution, and fossil forms is emphasized.

Prerequisite: None

ANTH 1200

INTRODUCTION TO CULTURAL ANTHROPOLOGY

Credit 3

Studied are the structures and functioning of various societies and cultures, including aspects 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.

Prerequisite: None

ANTH 1250

INTRODUCTION TO WYOMING ARCHAEOLOGY

Credit 2

The course will cover the prehistory of Wyoming from the earliest known sites to A.D. 1700 when the horse and other trade items were introduced. The major focus will be on the Archaeology of southwest Wyoming with reference to other areas as appropriate. Topics will include a brief summary of archaeological concepts and methods, the role of the federal government, laws and policies, hunting techniques, plant and animal food resources, burials, artifacts, and rock art. A field trip to a local site may also be included if time, weather, and interest permit.

Prerequisite: None

ANTH 1300

INTRODUCTION TO ARCHAEOLOGY

Credit 3

Archaeology covers the excavation of man's past culture, tool traditions, social developments, migration patterns and independent developments of civilization on various continents. Included are dating methods, site analysis, comparative studies, and various archaeological techniques used in the field and laboratory.

Prerequisite: None

ANTH 1350

ROCK ART:

Credit 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: None

ANTH 2200

WORLD ETHNOGRAPHY

Credit 3

This course surveys peoples and cultures in various areas around the world. The geographic careers 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 discussions of other island groups and the history of contact relations.

Prerequisite: None

ANTH 2210**NORTH AMERICAN INDIANS****Credit 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.

Prerequisite: None

ANTH 2310**ARCHAEOLOGY FIELD METHODS:****Credit 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.

If repeated, a maximum of 4 credits will be applied toward graduation.

Prerequisite: None

ANTH 2311**PREHISTORIC ARCHAEOLOGICAL FIELD METHODS****Credit 1-4**

The 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 identification and recordation, accepted techniques of site testing and evaluation criteria, and 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.

If repeated, a maximum of 4 credits will be applied toward graduation.

Prerequisite: None

Flexible Entry

ANTH 2312**HISTORICAL ARCHAEOLOGICAL FIELD METHODS****Credit 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 southwestern 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).

Prerequisite: None

If repeated, a maximum of 4 credits will be applied toward graduation.

Flexible Entry

ANTH 2800**ANTHROPOLOGY PORTFOLIO/CAPSTONE****Credit 2**

This course is designed for students who have completed a minimum of 45 credit hours towards graduation. It is geared towards two objectives. The first is to insure the student can effectively prepare a technical report in archaeology. The second is to provide students with the opportunity to prepare a comprehensive electronic 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: Students must have completed a minimum of 45 credit hours.

ART**ART 1000****GENERAL ART****Credit 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.
Prerequisite: None

ART 1005 (ART 1050)**DRAWING I****Credit 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.
Prerequisite: None

ART 1030**INTRO TO ART:****Credit 1**

This class is an introduction to the aesthetics and techniques of art making, within a particular process. It is a hands-on studio introduction geared to persons without previous experience, but who have curiosity about the technique and aesthetics of one of a variety of areas. It prepares the non-art major for beginning level art course work. It will transfer as an elective for all majors to Western's degree as an elective. The class is a six-week block of three consecutive hours per week. This class may be offered in drawing, painting, ceramics or photography.

Does not satisfy the Applied Arts requirement.

Prerequisite: None

ART 1110**DESIGN: 2D****Credit 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.
Prerequisite: None

ART 1120**DESIGN: 3D****Credit 3**

A course designed for experimentation in three dimensional expression.
Prerequisite: None

ART 1130**DESIGN: COLOR****Credit 3**

Advanced design encourages the creative process while exploring the basics of color and texture. Precision aids in presentation is a must. "An artist or creative person must be a dreamer, a realist, and a skilled worker."
Prerequisite: ART 1110

ART 1150**PHOTOGRAPHY I (BEGINNING)****Credit 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.
Prerequisite: None

ART 1160**PHOTOGRAPHY II (INTERMEDIATE)****Credit 3**

Course concentrates on developing advanced technical and aesthetic skills in the serious black and white pictorial 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.

Prerequisites: ART 1150 or Instructor Permission

ART 1176**NONTRADITIONAL PHOTOGRAPHY****Credit 3**

Instruction centers on the history of photography and the production of fine prints by nontraditional methods. Study and application of the following processes are included: cyanotype, gumbichromate, hand-coloring, the rayogram, and electrostatic prints.

Prerequisites: ART 1150 or Instructor Permission, ART 1110 (may be concurrently enrolled)

ART 1178**DIGITAL IMAGING I****Credit 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.

Prerequisites: ART 1150, ART 1110 (may be concurrently enrolled)

ART 1250**WATER BASED MEDIA I****Credit 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.

Prerequisite: None

ART 1310**SCULPTURE I****Credit 3**

A course designed for experimentation in three dimensional expression.

Prerequisite: None

ART 2005 (ART 1060)**DRAWING II****Credit 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.

Prerequisites: ART 1005 & 2210

ART 2010, 2020**ART HISTORY I & II****Credit 3**

A comprehensive review of the divergent expressions of Western mankind. First Semester: Paleolithic society through the High Renaissance of Italy (30,000 B.C. - 1570 A.D.) 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.

Prerequisites: ENGL 1010 or Instructor Permission

Course Descriptions

ART 2050

LIFE DRAWING

Credit 3

Life drawing is a specialized area of drawing for the advanced student. The human form is the source of creative inspiration in exploring the problems of various drawing mediums and techniques. The student experiments with the mediums of conté, charcoal, litho, graphite and paint, using color restrictively, while learning the techniques of contour, gesture, background space manipulation and motion. Slide presentations on the work of artists, past and contemporary, stimulate an awareness of the human form as creative design.

Prerequisite: ART 2005

ART 2090

PRINTMAKING I

Credit 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.

Prerequisites: ART 1005 or Instructor Permission

Studio/Lecture/Laboratory

ART 2095

PRINTMAKING II: INTAGLIO

Credit 3

This course is a continuation of ART 2090, offering students the opportunity of advanced study and experimentation in Intaglio and relief processes with emphasis on individual creative growth.

Prerequisites: ART 1250 and ART 2090

ART 2120

GRAPHIC DESIGN I

Credit 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.

Prerequisites: Basic Computer Competency Windows or Mac Environment

May not receive graduation credit for both ART 2120 and COMM 2300. (Crosslists with COMM 2300)

ART 2130

GRAPHIC DESIGN II

Credit 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. May not receive graduation credit for both ART 2130 and COMM 2330. (Crosslists with COMM 2330)

Prerequisite: ART 2120 or COMM 2300 or Instructor Permission

ART 2150

COLOR PHOTOGRAPHY I

Credit 4

An in-depth introduction to color photography with emphasis on understanding the theory, aesthetics, and technical attributes of making color photography using a variety of both color positive and negative film and print materials.

Prerequisites: ART 1150 or Instructor Permission, ART 1110 (may be concurrently enrolled)

ART 2175**PHOTOGRAPHY STUDIO****Credit 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. **May be repeated for a maximum of six credit hours.**

Prerequisites: ART 1150 and one of the following: ART 1160, 1174, 2170, ART 2175 (may be concurrently enrolled)

ART 2210**PAINTING I****Credit 3**

A course designed for the beginning painter who wants to learn an understanding of the techniques of oil painting.

Prerequisite: None

ART 2220**PAINTING II****Credit 3**

A continuation of ART 2210 Painting I. The student is offered the opportunity to advance his/her skills. Freedom of exploration is permitted and experimentation of techniques is encouraged.

Prerequisite: ART 2210

ART 2230**PAINTING III****Credit 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.

Prerequisites: ART 2210 and 2220, or Instructor Permission

Ceramics courses may be taken a maximum of 2 times for credit. When all classes have been taken twice, the students may opt for noncredit classes. Courses count for graduation only one time each.

ART 2410**CERAMICS I****Credit 3**

An introduction to basic ceramics skills - throwing, trimming and glazing hand-built ceramics. Claymaking and kiln firing included. Aesthetic content & problem solving introduced.

Prerequisite: None

ART 2420**CERAMICS II****Credit 3**

Advanced throwing at the wheel, hand building and glazing techniques. Kiln design and operation. Continued development of aesthetic content and problem solving.

Prerequisite: ART 2410

ART 2430**CERAMICS III****Credit 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.

Prerequisites: ART 2420, ART 1110 (may be concurrently enrolled)

**ART 2440
CERAMICS IV****Credit 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.

Prerequisites: ART 2430, ART 1110 (may be concurrently enrolled)

**ART 2445
CERAMICS STUDIO****Credit 1-3 (variable)**

This is an advanced course for students (each student will be at a different level of skill) who wish to continue their personal growth on an individualized basis in a particular area of clay. This would include hand-build, wheel-thrown, vessel or sculptural forms. Each student, with instructor input, will outline a detailed course of study to be pursued individually. The number of credit hours registered for will determine work quality, requirements and guidelines for satisfactory completion of the course.

Prerequisites: ART 1110, 2410, 2420. ART 2420 and 1110 (may be concurrent enrollment)

**ART 2479-2489
SPECIAL PROJECTS IN ART:****Credit Variable**

Special Projects coursework provides a format for advanced exploration of the arts within a number of specialties of applied design, 2D and 3D, often in a condensed format and under the instruction of a guest artist. These courses are to allow the student a workshop experience beyond the art foundation program.

**ART 2495
WORKSHOPS IN ART:****Credit 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: None

**ART 2500
ART PORTFOLIO****Credit 1-2**

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. Students will also complete a project in their primary area of emphasis with a final presentation juried by the faculty within the selected discipline.

Prerequisite: Must have completed 45 credit hours toward an AFA degree

AUTOMOTIVE TECHNOLOGY**AUTO 1505
AUTOMOTIVE LOW VOLTAGE ELECTRICAL****Credit 1**

This course is designed to give the student an in-depth working knowledge of basic automotive or diesel low voltage electrical systems.

Prerequisite: None

AUTO 1580**BASIC AUTO MAINTENANCE****Credit 2**

This course is designed for non-degree students. The class offers students instruction in the basics of automotive maintenance, automotive systems operation, troubleshooting, preventive maintenance and repair, along with the terminology, proper use of tools, and procedures required to perform these tasks.

Prerequisite: None

AUTO 1690**MANUAL POWER TRAIN FUNDAMENTALS****Credit 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.

Prerequisite: None

AUTO 1700**ENGINE FUNDAMENTALS****Credit 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.

Prerequisite: None

AUTO 1730**AUTOMATIC TRANSMISSIONS****Credit 6**

This course is designed to introduce students to automatic transmission function and design, as well as diagnosis and service, and prepare them with skills necessary for entry into the automotive field. Emphasis will be placed on diagnostic and service procedures which are the most critical to the automotive technician in today's industry. The student is given an opportunity to work on different types of automatic transmissions and transaxles, and diagnose common problems related to electronic transmission control, and hydro-mechanical function.

Prerequisite: AUTO 1770

AUTO 1740**BRAKE SYSTEMS****Credit 3**

This course will introduce students to automotive braking systems from conventional to anti-lock 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.

Prerequisite: None

AUTO 1760**HEATING & AIR CONDITIONING****Credit 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****Credit 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.

Prerequisite: None

AUTO 1766**AUTOMOTIVE ELECTRICAL SYSTEMS II****Credit 3**

This course is a continuation of AUTO 1765 Automotive Electrical Systems. Students will use the principles learned in the first course to practice diagnosing various, real-world circuit faults on real vehicles using digital multi-meters, battery load testers, and other pieces of electrical test equipment. The student will also be introduced to more complex circuits not covered in AUTO 1765, such as lighting circuits and body electrical accessories.

Prerequisite: AUTO 1765

AUTO 1770**AUTOMOTIVE ELECTRONICS****Credit 3**

This course is designed to study the theory, service and repair of control electronic 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.

Prerequisites: AUTO 1766

AUTO 2510**ENGINE PERFORMANCE I****Credit 3**

This course will introduce students to a variety of different type of engine diagnosis, electrical testing using lab scopes, scan tools, multi-meter, and charging system testers. Mechanical performance systems will be studied, as well as diagnoses for intake and exhaust. Computer input, output and communication will be covered with lecture and 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****Credit 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 2535**ADVANCED ENGINE TOPICS:****Credit .5-3**

This variable credit course offers a variety of subjects in advanced automotive performance and engine controls, and will vary from semester to semester. Topics may include Oscilloscopes, On-Board Diagnostics I & On-Board Diagnostics II (OBD), Diagnostic processes, Scantool computer code retrieval, Scantool data, Digital meters, Exhaust gas analysis, Compressed natural gas (CNG) systems, Hydrogen vehicles, Fuel cells, Specific diesel fuel systems (Duramax, Cummins common rail, Volkswagon TDI).

Prerequisite: Instructor Permission

AUTO 2540**ADVANCED BRAKES & SUSPENSION SYSTEMS****Credit 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.

Prerequisites: AUTO 1740 and AUTO 1770 or Instructor Permission

AUTO 2545**AUTOMOTIVE ALIGNMENT & STEERING SYSTEMS****Credit 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 re-circulating ball steering.

Prerequisite: AUTO 2540

AUTO 2590**ENGINE PERFORMANCE III****Credit 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 power train management systems will also be covered, such as light-duty diesel, gas-electric hybrids, and compressed natural gas systems.

Prerequisite: AUTO 2520

BASIC SKILLS**BAS 0510****READING SKILLS****Credit 1**

This course covers the fundamentals of good reading skills and the application of these skills to assist students in becoming more efficient readers.

Required for students with a COMPASS Reading score of 40 or below**BAS 0620****WRITING SKILLS****Credit 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****Credit 1**

This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

Corequisite: ENGL 0950

BAS 0640**SPELLING SKILLS****Credit 1**

Students improve their spelling skills using a phonetics or rules approach.

BAS 0710, 0740, 0750**ARITHMETIC SKILLS I, II, III****Credit 1**

These courses are designed to serve as a "bridge" for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of the course is to help build mathematical competency for daily use and to prepare for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

Prerequisite: Instructor Permission

Course Descriptions

BAS 0720, 0760, 0770

ALGEBRA SKILLS I, II, III

Credit 1

These courses are designed to serve as a “bridge” for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. The course helps to build mathematical competency in basic algebra skills and prepares for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement.

Prerequisite: Instructor Permission

BAS 0730

TECHNICAL MATH

Credit 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

Credit 2

This course is designed to facilitate textbook reading skills for non-native and international students.

BAS 0950

NON-NATIVE VOCABULARY

Credit 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

Credit 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

Credit 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.

Prerequisite: None

BIOLOGICAL SCIENCES

BIOL 1002

DISCOVERING SCIENCE

Credit 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.

Prerequisites: Compass Reading score of 71 or higher, or ACT Reading score of 20 or higher, or instructor permission.

Corequisite Lab required

BIOL 1003**CURRENT ISSUES IN BIOLOGY****Credit 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.

Prerequisite: None

Corequisite Lab required

BIOL 1009**CRITICAL SCIENCE SKILLS****Credit 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.

Prerequisite: None

BIOL 1010**GENERAL BIOLOGY****Credit 4**

A survey of the basic principles of biology. Units are included in cell biology, metabolism, cell division, genetics, ecology, and evolution. Credit may not be received for both BIOL 1010 and BIOL 1003.

Prerequisite: BIOL 1009 or CHEM 1009 (C or better), or 21 ACT Science score; or 1500 SAT score; 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 Lab required

BIOL 1210**WYOMING FLORA****Credit 2**

This course is 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 plants. Lecture topics also include using native plants for xeriscaping and medicinal and edible wild plants. Includes mandatory field trips.

Prerequisite: None

BIOL 1220**BIRDING****Credit 2**

This course is 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 binoculars and spotting scopes, and conservation biology and concerns about birds. Lab involves both identification of birds in the lab and mandatory field trips.

Prerequisite: None

BIOL 1390**INTRODUCTION TO SCIENCE RESEARCH I****Credit 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.

Prerequisite: Instructor Permission

Corequisite Lab required

BIOL 2010**HUMAN ANATOMY & PHYSIOLOGY I****Credit 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: BIOL 1010

Corequisite Lab required

BIOL 2015**HUMAN ANATOMY & PHYSIOLOGY II****Credit 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 must precede 2015, or instructor permission

Corequisite Lab required

BIOL 2022**ANIMAL BIOLOGY****Credit 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 Lab required

BIOL 2023**PLANT & FUNGAL BIOLOGY****Credit 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

Corequisite Lab required

BIOL 2080**PSYCHOBIOLOGY****Credit 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. This course fulfills WWCC Lab Science requirement. Cross lists with PSYC 2080

Prerequisites: 4 hours of Biology and Psychology

Corequisite Lab required

BIOL 2310**FIELD SCIENCE RESEARCH****Credit 4**

This course 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.

Prerequisite: None

BIOL 2390**INTRODUCTION TO SCIENCE RESEARCH II****Credit 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.

Prerequisites: BIOL 1390 and Instructor Permission

BIOL 2400**GENERAL ECOLOGY****Credit 3**

This course is an introduction to ecological thought and principles. The course considers man's influence on nature as well as nature's influence on man.

Offered in Spring Semester of even years.

Prerequisite: BIOL 1010

BIOL 2410**INTRODUCTION TO FIELD ECOLOGY****Credit 2**

This course 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 courses.

Offered in Spring Semester of even years.

Prerequisites: BIOL 2400 (may be enrolled concurrently) or Instructor Permission

BIOL 2450**PRINCIPLES OF FISH & WILDLIFE MANAGEMENT****Credit 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

MOLB 2210 (BIOL 2210)**GENERAL MICROBIOLOGY****Credit 4**

A study of the structure, classification, physiology and distribution of micro-organisms, with emphasis on their technological and medical significance. Organisms studies include protozoa, algae, fungi, bacteria, rickettsia and viruses.

Prerequisite: BIOL 1010 (C or better)

Corequisite Lab required

BUSINESS ADMINISTRATION

BADM 1000

INTRODUCTION TO BUSINESS

Credit 3

An introductory business course emphasizing the role of business in the American economy. The course presents an overview of business organization and operations.

Prerequisite: None

BADM 2030

BUSINESS ETHICS

Credit 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 student's 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.

Prerequisite: None

BADM 2800

BUSINESS PORTFOLIO/CAPSTONE

Credit 2

This course is a capstone course for students working towards an A.S. in Accounting, Business Administration, Economics, and Marketing. This course will enable students to 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 have completed 45 credit hours toward intended degree.

BUSN 2000

INTRODUCTION TO INTERNATIONAL BUSINESS

Credit 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.

Prerequisite: None

BUSINESS OFFICE TECHNOLOGY

BOTK 1520

BUSINESS MATHEMATICS

Credit 3

This course develops math skills applicable to business including percentages, interest, payroll, inventory, depreciation, and taxes.

Prerequisite: None

BOTK 1555

BASIC OFFICE SKILLS

Credit 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 APPLICATIONS I****Credit 3**

Beginning keyboarding 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.

Prerequisite: None

Flexible Entry

BOTK 1650**KEYBOARDING APPLICATIONS II****Credit 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.

Prerequisites: BOTK 1640 or Instructor Permission

Flexible Entry

BOTK 1900**MACHINE TRANSCRIPTION****Credit 3**

This course offers the student the opportunity to become proficient on a transcribing machine with emphasis on production and language skills. Upon completion of the course, students will be proficient in transcribing machine dictation, in using language arts correctly, and in formatting business documents. Emphasis is placed on improving language skills, proofreading skills, and in producing mailable copy from machine dictation the first time the material is transcribed.

Prerequisites: BOTK 1650 or Instructor Permission

BOTK 2750**RECORDS MANAGEMENT****Credit 3**

The purpose of this course is to provide you with a 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.

Prerequisite: None

BOTK 2800**OIS PORTFOLIO/CAPSTONE****Credit 2**

This course is a capstone course for students working toward an A.A.S. in Office Information Systems, an A.A.S. in Office Information Systems with Legal Assistant emphasis, or an A.A.S. in Office Information Systems with emphasis in Medical Office Assistant. This 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.

Prerequisites: Minimum 45 credit hours towards an A.A.S. in Office Information Systems, or an A.A.S. in Office Information Systems with emphasis on Medical Office Assistant

BOTK 2810, 2820**ACCOUNTING PROCEDURES I & II****Credit 3**

This course emphasizes accounting theory and applications, including the accounting cycle on sole proprietorships and partnerships, journals, ledgers, adjustments, worksheets, and payroll procedures. Experience in accounting on the microcomputer is offered. (This course is designed for students enrolled for a certificate or the A.A.S. degree.)

Prerequisite: BOTK 2810 prerequisite for BOTK 2820

BOTK 2900**OFFICE SYSTEMS AND PROCEDURES****Credit 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 function, and preparing for employment.

Prerequisites: BOTK 1555 and COSC 1200 or Instructor Permission

CHEMISTRY**CHEM 1000****INTRODUCTORY CHEMISTRY****Credit 4**

A one semester course that provides an introduction to chemistry and its impact on contemporary society. This course is designed for students in nursing, education, general arts and sciences. Credit for graduation will not be awarded in both CHEM 1000 and CHEM 1020.

Prerequisite: MATH 0920 (may be taken concurrently) or equivalent Math Placement test

Corequisite Lab required

CHEM 1009**CRITICAL SCIENCE SKILLS****Credit 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.

Prerequisite: None

CHEM 1020**GENERAL CHEMISTRY I****Credit 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. Credit for graduation will not be awarded in both CHEM 1000 and CHEM 1020.

Prerequisite: MATH 1400 (C or better) or BIOL 1009 or CHEM 1009 (C or better), or 21 ACT Science score; or 1500 SAT score; 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 Lab required

CHEM 1030**GENERAL CHEMISTRY II****Credit 4**

This course is a continuation of General Chemistry I. This semester emphasizes chemical equilibrium, chemical kinetics, redox reactions, energy changes and nuclear chemistry and acid/base chemistry. Also included is organic and biochemistry.

Prerequisite: CHEM 1020 (C or better) and MATH 1400

Corequisite Lab required

CHEM 2230**QUANTITATIVE ANALYSIS****Credit 5**

General principles of analytical chemistry. Topics include quantitative separations, equilibria, ionization and solubility. Semimicro techniques for quantitative cation and anion analyses are included.

Prerequisites: CHEM 1020, 1030

Corequisite Lab required

CHEM 2320**ORGANIC CHEMISTRY I****Credit 4**

This course is the first semester of a two semester sequence. The chemistry of carbon compounds. This course emphasizes alkanes, alkenes, alkynes and aromatic compounds. The nomenclature, structure and reactivity of these and various functional groups is discussed.

Prerequisites: CHEM 1020, 1030

Corequisite Lab required

CHEM 2340**ORGANIC CHEMISTRY II****Credit 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 Lab required

COMMUNICATION**COMM 1000****INTRO. TO MASS MEDIA****Credit 3**

A survey of mass media: newspapers, magazines, books, radio, films and television. A study of their historical development and the impact they made on the American public, through content and technology. A study of the current issues, problems and trends in the mass media.

Prerequisite: None

COMM 1010**PUBLIC SPEAKING****Credit 3**

This course is a practical performance course in public speaking. The course combines readings, lectures, discussion, and presentations to help the student become a more competent, confident and effective public speaker. The main topics covered include: researching and organizing a speech, audience analysis, using visual aids, effective delivery, handling stagefright, proposing arguments, and making persuasive appeals.

Prerequisite: None

Course Descriptions

COMM 1030

INTERPERSONAL COMMUNICATION

Credit 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, perception, handling interpersonal conflict, improving listening and response skills, and enhancing communication in intimate relationships.

Prerequisite: None

COMM 1040

INTRODUCTION TO HUMAN COMMUNICATION

Credit 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.

Prerequisite: None

COMM 1050

CONFLICT MANAGEMENT & MEDIATION

Credit 3

This course blends theory, research, and practical skills to help us better understand and manage our conflicts. Additionally, this course offers guidance for those who sometimes find themselves playing the role of mediator—a neutral third party who assists disputants create their own solutions.

Prerequisite: None

COMM 1200

SIGNING EXACT ENGLISH I

Credit 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 conversation.

Prerequisite: None

COMM 1230

AMERICAN SIGN LANGUAGE I

Credit 4

American Sign Language (ASL) 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 (ASL), 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.

Prerequisite: None

COMM 1240

AMERICAN SIGN LANGUAGE II

Credit 4

This course will enable students to continue to develop expressive and receptive skills, along with conversation 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 3000 words with signs along with continuing their awareness of deaf culture.

Prerequisite: COMM 1230

COMM 1370, 1375, 2370, 2375**PUBLICATIONS PRODUCTION I-IV: (Topic will vary)****Credit 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.

Prerequisite: None

COMM 2090**INTRODUCTION TO PERSUASION****Credit 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.

Prerequisite: None

COMM 2100**Cross reference UW Transfer Guide CMJR 1100****REPORTING & NEWSWRITING****Credit 3**

A study of the fundamentals of writing the news story through practice in writing and analysis of the form.

Prerequisite: ENGL 1010

COMM 2110**NONVERBAL COMMUNICATION****Credit 3**

This course surveys contemporary research findings in the study of human nonverbal behavior. Topics include: physical appearance, touch, distance, face and eye behavior, scent, time, gestures, and other nonverbal cues. The student will gain a deeper understanding of nonverbal's impact in our daily lives. Attention will be given to nonverbal's impact on relationships between superiors and subordinates, women and men, teachers and students, and members of different cultures.

Prerequisite: None

COMM 2270**PUBLIC RELATIONS****Credit 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.

Basic keyboarding skills recommended

Prerequisite: None

COMM 2300**GRAPHIC DESIGN I****Credit 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. May not receive graduation credit for both ART 2120 and COMM 2300. (Crosslists with ART 2120)

Prerequisites: Basic Computer Competency Windows or Mac Environment

COMM 2330**GRAPHIC DESIGN II****Credit 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. May not receive graduation credit for both ART 2130 and COMM 2330. (Crosslists with ART 2130)

Prerequisites: ART 2120 or COMM 2300 or Instructor Permission

COMM 2485**COMMUNICATION SEMINAR:****Credit 3**

The course will combine readings, lectures, discussions, papers, and exercises to explore a wide variety of topics and skills in intercultural communication. The student will be challenged to reassess existing viewpoints within our global community. Using a historical framework placing current topics in context, a sampling of topics and skills included in the course will involve: nonverbal communication, the media's perception of society which may include women, family and children, cultural barriers for both nonverbal and verbal effective communication, cultural patterns, immigration, ethnic identity and co-cultures.

Prerequisites: None

COMPRESSION TECHNOLOGY**CMPT 1510****COMPRESSION TECHNOLOGY I****Credit 3**

This course is designed to provide students with an introduction to the Natural Gas Compression Industry. Natural gas compressors and their various drivers will be introduced along with the complete operation of the compression package. The physics and math of the compression process will be discussed along with the precision measuring and rigging procedures required to work on compression equipment. Students will also learn safe work practices and will be introduced to hand tools and power tools used in the Natural Gas Compression Industry.

Prerequisite: None

CMPT 1511**COMPRESSION TECHNOLOGY, FOR INDUSTRY****Credit .5**

This course is designed to give students the basic engine fundamentals that provide a solid foundation in the operation and maintenance of reciprocating engines and compressors. This course is approved for S/U grading.

Prerequisite: None

CMPT 1520**COMPRESSION TECHNOLOGY II****Credit 3**

This course is designed to provide students with an introduction to the operation and maintenance of natural gas internal combustion engines. The fundamentals of combustion theory will be discussed along with detonation, pre-ignition, lean/ rich burn and advance/ retard timing. Two-stroke and four-stroke cycle theory will be introduced along with engine configurations. Emission theory, emission controls and emission measurement will be discussed. Students will also learn safe work practices and will work on engines used in the Natural Gas Compression Industry.

Prerequisite: CMPT 1510

CMPT 1530**COMPRESSION TECHNOLOGY III****Credit 3**

This course is designed to provide students with an introduction to the operation and maintenance of natural gas compressors. The operating theory of reciprocating, centrifugal and helical screw compressors will be discussed along with compressor horsepower, pressure-volume curves, capacity control, discharge temperature and multi-staging. Packing, rod load/reversal, cylinder lubrication and valves will be discussed for reciprocating units. Students will also learn safe work practices and will work on compressors used in the Natural Gas Compression Industry.

Prerequisite: CMPT 1520

COMPUTER APPLICATIONS**CMAP 0910****INTRODUCTION TO ONLINE LEARNING****Credit 1**

This course will provide beginning instruction and hands-on practical experiences to accomplish an introductory review of online learning and the terminology students will encounter in online education. 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, as well as participate in a group discussion, know where to go for help, understand how to use Blackboard, and how to succeed online.

Prerequisite: None

CMAP 1500**COMPUTER KEYBOARDING****Credit 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.

Prerequisite: None

Flexible Entry

CMAP 1610**WINDOWS I****Credit 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.

Prerequisite: None

Flexible Entry

CMAP 1705**WORD PROCESSING APPLICATIONS:****Credit 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

Flexible Entry

CMAP 1716**WORD PROCESSING BASICS****Credit 1**

The purpose of this class is to provide the student with the instruction and hands-on practical experience to introduce 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

Flexible Entry

CMAP 1750**SPREADSHEET APPLICATIONS:****Credit 3**

This course offers the student individualized instruction on spreadsheet software such as Excel. Emphasis will be on spreadsheets applicable to business, government, and industry. Some of the topics include: creating and editing spreadsheets, formulas, functions, charts, data tables, databases, templates, integrating with word processing documents, macros, and visual basic. Students successfully completing this course in Excel should be prepared to take the Excel Expert Microsoft Office Specialist exam.

Prerequisite: Keyboarding Competency

Flexible Entry

CMAP 1800**DATABASE APPLICATIONS:****Credit 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: Keyboarding Competency

Flexible Entry

CMAP 1850**DESKTOP PUBLISHING I:****Credit 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

Flexible Entry

CMAP 1860**INTRO TO DIGITAL DESIGN TECHNOLOGIES****Credit 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.

Prerequisite: None

CMAP 1865**DIGITAL PAGE LAYOUT & DESIGN:****Credit 3**

In this course, students will learn basic terminology, tools, and uses related to digital page layout design using the industry-standard professional page layout software. As they become educated designers in the field of digital page layout, students will develop publications, Web pages, brochures, and other digital documents and identify appropriate file formats for different means of presentation and media for such digital layouts. Hands-on case problem-solving for real-world scenarios and clients will give students the opportunity to demonstrate the interface between digital page layout software, digital illustration software, and image editing software. A computer literacy course, such as COSC 1200 is recommended, but not required.

Prerequisite: None

CMAP 1870**DIGITAL ILLUSTRATION DESIGN:****Credit 3**

Throughout this course, students will learn basic terminology related to digital illustration and gain practical experience with the industry-standard professional digital illustration program. Through hands-on learning, students will experience the various general tools and uses of digital illustration creation and become educated designers in the field of digital illustration. An awareness of the ethical responsibilities while creating digital illustrations will be developed as real-world scenarios for clients will be investigated and solved. Students will learn and identify various file formats for various purposes as well as the presentation of completed digital illustration projects in various media. A computer literacy course, such as COSC 1200 is recommended, but not required.

Prerequisite: None

CMAP 1875**DIGITAL MULTIMEDIA DESIGN:****Credit 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.

Prerequisite: None

CMAP 1880**INTERNET****Credit 1**

This course will provide basic beginning instruction and hands-on practical experience to accomplish a review of the terminology, history and services of the Internet. Students will gain a knowledge of search, chats, E-mail, and home pages.

Prerequisite: Basic Typing Skills

CMAP 1885**DIGITAL DESIGN PUBLISHING:****Credit 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.

Prerequisite: None

CMAP 1890**WWW AUTHORING:****Credit 1-3**

This course is an introduction to web page authoring. Students develop basic skills in: designing, formatting, managing collections of related Web pages, finding online resources, and publishing to a server. Basic computer experience is recommended.

Prerequisite: None

Flexible Entry

CMAP 1905**INTEGRATED APPLICATIONS:****Credit 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. Application will include: word processing, spreadsheets, database, presentations, and several projects that integrate two or more applications.

Prerequisite: Keyboarding Competency

Flexible Entry

CMAP 2600**COMPUTER GRAPHICS I:****Credit 1-3**

This course offers the beginning student instruction on currently 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: None

Flexible Entry

CMAP 2605**COMPUTER GRAPHICS II:****Credit 3**

This course offers advanced students instruction on current popular computer graphics software programs such as: presentation software, web authoring software, and photo editing software. The focus will be on applications that meet employee needs in the workplace.

Prerequisite: CMAP 2600

CMAP 2630**PRESENTATION GRAPHICS:****Credit 1-3**

Students will create presentations designed to share with an audience. Presentation concepts and planning effective presentations will be a focus throughout the course. Students will learn to create, edit, and delete slides; manipulate objects, copy, move and format text; create transitions and animations; and integrate with other software programs. Assignments, projects, and tests will be representative of work that meets employee needs in the workplace.

Prerequisite: None

Flexible Entry

CMAP 2895**DIGITAL DESIGN TECHNOLOGIES CAPSTONE****Credit 1**

This course will allow students to demonstrate knowledge of industry-standard digital design software programs by completing a final project of their choice. The opportunity to prepare an electronic portfolio is presented as students are required to reflect on past projects and choose those to showcase in a digital portfolio. This course does not fulfill the WWCC Assessment Requirement for graduation.

Corequisites: CMAP 1885 and CMAP 1890 or COSC 2350 & CMAP 1885

COMPUTER SCIENCE**COSC 1010****INTRO TO COMPUTER SCIENCE I****Credit 4**

This course introduces the student to 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.

Prerequisites: MATH 0930 (C or better) or equivalent Math placement test score.

COSC 1030**COMPUTER SCIENCE I****Credit 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.

Prerequisites: COSC 1010 or Instructor Permission

COSC 1200**COMPUTER INFORMATION SYSTEMS****Credit 3**

This introductory, lecture/lab course provides students with a basic understanding and experience with computers. Students will be introduced to the basic functions of the computer and software packages used by business. Hands-on experience will be provided through lab activities. This course is designed for the first-time user. Topics such as the following will be included: hardware, software, operating systems, communications, information systems, buying computers, and workplace issues.

Prerequisite: Keyboarding competency

COSC 1350**WEB DEVELOPMENT I****Credit 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 a multimedia web page, and creating a web page with forms.

Prerequisite: COSC 1200

COSC 1360**PC SUPPORT TECHNICIAN:****Credit 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.

Prerequisite: None

COSC 2350**WEB DEVELOPMENT II****Credit 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).

Prerequisite: None

COSC 2360**WEB PAGE DYNAMICS & SCRIPTING****Credit 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.

Prerequisite: None

COSC 2409**PROGRAMMING****Credit 3**

This course describes various computer languages focusing on their differences from prerequisite languages and uses of these new features. Classes may include Java, Visual Basic, etc.

Prerequisites: MATH 1400 or higher (C or better), or Instructor Permission.

COSC 2800**COMPUTER SCIENCE PORTFOLIO/CAPSTONE****Credit 2**

This course is a capstone course for students working toward an AS in Computer Information Systems. This course will enable students to prepare a comprehensive portfolio to demonstrate their accomplishments in meeting WWCC'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.

CONSTRUCTION TECHNOLOGY

CNTK 1580

BASIC CONSTRUCTION SKILLS

Credit 3

This course will give the student a basic knowledge of construction. The material will relate to the overall construction industry and is considered 'basic training' for all crafts. Hands-on experience will be gained from lab work, projects, and occasional job-site visits. National Center for Construction Education Research (NCCER) certification in the CORE Curriculum is available to students over 18 years of age at the time of completion.

Taught in Outreach only.

Prerequisite: None

CNTK 1700

INTRODUCTION TO CONSTRUCTION

Credit 3

Home improvement will be emphasized in this broad-based course which will give the student a basic knowledge of the construction industry, how-to home maintenance, safety practices and hands-on training with most hand and power tools.

Taught in Outreach only.

Prerequisite: None

CNTK 1900

CONCRETE & ASPHALT TECHNOLOGY

Credit 4

This course is designed to give the student a basic knowledge of concrete and asphalt materials and method as well as prepare students for entry into the construction field.

Prerequisite: None

CNTK 1905

CARPENTRY

Credit 4

This course will give the student a basic knowledge of carpentry. Typically, the material will relate to residential construction, but commercial and industrial applications will also be covered. Hands-on experience will be gained from lab work, projects, and occasional job-site visits.

Taught in Outreach only.

Prerequisite: None

CRIMINAL JUSTICE

CRMJ 1015

HOMELAND SECURITY:

Credit 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 infrastructure, terrorist groups, suicide bombers, or natural disasters.

Prerequisite: None

CRMJ 1550

COMMUNITY RELATIONS

Credit 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.

Prerequisite: None

CRMJ 1900**INTRODUCTION TO LAW ENFORCEMENT****Credit 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.

Prerequisite: None

CRMJ 2120 (POLS 2120)**INTRODUCTION TO CRIMINAL JUSTICE****Credit 3**

This course provides the criminal justice student with an overview of the institutions and procedures of the criminal justice system. Historical and theoretical perspectives on law enforcement, the courts and corrections will be examined. Emphasis is placed on current political issues facing the criminal justice system.

Prerequisite: None

CRMJ 2210 (POLS 2210)**CRIMINAL LAW****Credit 3**

This is a survey course that provides a basic understanding of the criminal law as it developed and as it presently exists throughout most of the United States. It covers all areas of criminal law.

Prerequisite: None

CRMJ 2220**CRIMINAL LAW II****Credit 3**

Provides the knowledge, both legal and procedural, as to how criminal evidence is handled and maintained for the court process. Additionally, the student will receive an overview of the procedures available to the law enforcement investigator for the laboratory, both field and in-house, processes which will aid in yielding criminal evidence.

Prerequisite: CRMJ 2210

CRMJ 2250**POLICE ADMINISTRATION****Credit 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.

Prerequisite: None

CRMJ 2280**CRIMINAL PROCEDURES****Credit 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.

Prerequisite: None

CRMJ 2400**CRIMINOLOGY****Credit 3**

This course provides an overview of the study of crime. Topics include social responses to crime, research methods, theories of causation, and policy approaches to crime.

Prerequisite: None

CRMJ 2420**JUVENILE JUSTICE****Credit 3**

Provides an overview of the juvenile justice system 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.

Prerequisite: None

CRMJ 2450**ETHICS IN CRIMINAL JUSTICE****Credit 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.

Prerequisite: None

CRMJ 2460**POLITICAL CRIME****Credit 3**

This course is designed to provide the student with an overview of the three categories of political crime: crimes against the state, crimes committed by the state, and crimes against other groups. 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 spend studying these groups, their beliefs and tactics. The subject of this course is controversial to many. Students should be aware that the treatment of many subjects will be for the purpose of provoking discussion rather than the personal beliefs of any instructor.

Prerequisite: None

CRMJ 2510**PATROL PROCEDURES****Credit 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.

Prerequisite: None

CRMJ 2550**CRIMINAL INVESTIGATION I****Credit 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.

Prerequisite: None

CRMJ 2560**CRIMINAL INVESTIGATION II****Credit 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.

Prerequisite: None

CRMJ 2580**CRISIS INTERVENTION (MANAGEMENT)****Credit 3**

Provides the criminal justice student knowledge as to the skills that must be developed in order to effectively perform the law enforcement function as related to highly volatile, and extremely stressful, human emergency situations.

Prerequisite: None

CRMJ 2590**DRUGS & CRIMINAL JUSTICE****Credit 3**

Provides the history and tentative identification of the abused drugs, their physical and mental characteristics when ingested, their effects and relationship on the individual, education, society and the courts. The second portion of this course deals with prostitution and gambling, its impact upon the individual, law enforcement and society. The student will be exposed to the history, profiteering and control of violations of vice and narcotics-type crimes.

Prerequisite: None

DEVELOPMENTAL STUDIES**General Information**

Students may sign up for one-credit Learning Center courses at any time until one week after midterm and arrange their hours in a flexible manner. Students wishing to earn one credit must meet with their instructors in the LC for an average of 2 hours per week during the semester. Students may sign up for two-credit LC courses through the fourth week of the semester. Students wishing to earn two credits must meet with their instructor in the LC for an average of 4 hours per week during the semester. Classes are scheduled at various times throughout the day and enrollment is based on space available. With the exception of an A.A.S. degree, courses numbered less than 1000 do not count toward graduation from WWCC.

BAS 0510**READING SKILLS****Credit 1**

This course covers the fundamentals of good reading skills and the application of these skills to assist students in becoming more efficient readers.

Required for students with a COMPASS Reading score of 40 or below

BAS 0620**WRITING SKILLS****Credit 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****Credit 1**

This course covers parts of speech, sentence structure, grammatical correctness, punctuation and capitalization.

Corequisite: ENGL 0950

BAS 0640**SPELLING SKILLS****Credit 1**

Students improve their spelling skills using a phonetics or rules approach.

BAS 0710, 0740, 0750**ARITHMETIC SKILLS I, II, III****Credit 1**

These courses are designed to serve as a “bridge” for those students who do not feel confident about their arithmetic skills and either want or need additional and/or individualized instruction in the basics of math. The purpose of the course is to help build mathematical competency for daily use and to prepare for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement. Prerequisite: Instructor Permission

BAS 0720, 0760, 0770**ALGEBRA SKILLS I, II, III****Credit 1**

These courses are designed to serve as a “bridge” for those students who do not feel confident about their algebra skills and either want or need additional and/or individualized instruction in the basics of algebra. The course helps to build mathematical competency in basic algebra skills and prepares for further mathematical studies at the college level. Students will pre-test at the beginning of the semester to determine appropriate placement. Prerequisite: Instructor Permission

BAS 0730**TECHNICAL MATH****Credit 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****Credit 2**

This course is designed to facilitate textbook reading skills for non-native and international students.

BAS 0950**NON-NATIVE VOCABULARY****Credit 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****Credit 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****Credit 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. Prerequisite: None

DVST 0885

TRANSITION TO COLLEGE SEMINAR

Credit 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.

Prerequisite: None

DVST 0900

MATH FUNDAMENTALS

Credit 3

This course covers the following topics: review of basic operations and the order of operations, fractions, decimals, ratio and proportion, conversions and applications of percents, basic geometry and measurement applications, signed numbers, and introduction to algebraic expressions and solving equations.

Prerequisite: None

HMDV 0550

US CULTURE/COMMUNICATION

Credit 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

Credit 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.

Required for all students with a COMPASS Reading score of 70 or below, or an ACT Reading score of 19 or below.

Prerequisite: None

HMDV 1100

SPEED READING

Credit 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.

Prerequisite: None

HMDV 1110

COLLEGE VOCABULARY

Credit 1

This course is recommended for students who have good reading skills and want to expand their knowledge of words.

Prerequisite: None

HMDV 1270

STRESS MANAGEMENT & REDUCTION

Credit 1

This course will help students identify what stress is and how it impacts them emotionally and physically. They will learn to utilize relaxation skills to manage and/or reduce the negative impact of stress.

Prerequisite: None

HMDV 1280**EXPLORATIONS IN PERSONALITY****Credit 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.

Prerequisite: None

HMDV 1502 (DVST 0100)**ENGLISH AS A SECOND LANGUAGE****Credit 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.

Prerequisites: Intermediate English proficiency assumed. COMPASS score of 38 or below in Writing (Grammar). All non-native students who do not qualify for Basic English II based on the COMPASS test must take this course for a semester or more.

HMDV 1503 (DVST 0104)**NON-NATIVE CONVERSATION****Credit 3**

This course is designed to provide non-native college students with the opportunity to practice speaking and listening skills, and to develop fluency in English. Students who need to improve basic communication and need 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.

Prerequisite: None

HMDV 1515**CAREER DEVELOPMENT****Credit 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.

Prerequisite: None

HMDV 2410**ASSESSMENT PORTFOLIO****Credit 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 toward graduation

HMDV 2411**ASSESSMENT REQUIREMENT****Credit 0**

Indicates student's completion of the WWCC Assessment requirement for graduation.

HMDV 2475**INTERNSHIP: TUTOR TRAINING****Credit 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 Peer Tutor Center

DIESEL TECHNOLOGY

DESL 1500

DIESEL ENGINE FUNDAMENTALS

Credit 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 trouble shooting, diagnosis and repair procedures for these systems. The students will also be introduced to electronic injection system theory and operation.

Prerequisite: None

DESL 1590

HEAVY DUTY POWER TRAINS

Credit 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 disk 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.

Prerequisite: None

DESL 1595

DIESEL FUNDAMENTALS

Credit 3

This course will cover the terminology and history of diesel engines, the types of engines, components, basic operation, fuel, lubrication, cooling, intake and exhaust systems will be studied. This course is intended to be an introductory course in basic diesel operation, maintenance, diagnosis, trouble shooting, and possible repair procedures.

Prerequisite: None

DESL 1600

DIESEL ENGINES

Credit 9

This course will first cover the terminology directly related to diesel engines. The basic components of diesel engines will be covered in the classroom before students will be allowed to disassemble any engines. After the student has covered the theory and components of the diesel engine, he or she will then be expected to disassemble a two, three, four, five and six cylinder engine and perform all necessary measurements and engine component checks. Student will be required to find all necessary specifications in the engine manual. Student will be required to reassemble, start, and make any final adjustments to the engine. All tools and special equipment will be furnished by the College.

Prerequisites: DESL 1595 or Instructor Permission

DESL 1645

ADVANCED DIESEL ENGINE & ELECTRONICS

Credit 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****Credit 3**

This course is designed to introduce the students to the fundamentals, theory, and applications of heavy-duty brakes and suspension 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.

Prerequisite: None

ECONOMICS**ECON 1010****MACROECONOMICS****Credit 3**

A beginning study of how 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, and inflation and unemployment.

Prerequisite: None

ECON 1020**MICROECONOMICS****Credit 3**

A basic study of value and price theory, monopoly and public policy, markets for productive goods and services, alternative forms of economic organization, and international trade.

Prerequisite: ECON 1010 (C or better)

ECON 1200**ECONOMICS, LAW & GOVERNMENT****Credit 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 U.S. political economy, they will see important relationships between market development, the legal framework, and the political system. The U.S. 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: COMPASS Reading score of 71 or higher, or ACT Reading score of 20 or higher and BADM 1000 (may be taken concurrently)

EDUCATION**EDCI 1000****EDUCATION EXPERIENCE PROSPECTIVE TEACHERS****Credit 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.

Prerequisite: None

EDCI 2440**INTRODUCTION TO CLASSROOM MANAGEMENT****Credit 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.

Prerequisite: None

EDCI 2526**FACILITATING ONLINE LEARNING****Credit 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.

Prerequisite: None

EDEC 1020 (EDCI 1021)**INTRODUCTION TO EARLY CHILDHOOD EDUCATION****Credit 3**

This course introduces the student to the field of early childhood education through lecture, discussion, and participation. Topics to be explored include components of quality program, child development theory, curriculum development, learning environments, classroom management, parent-teacher relationships, importance of play and teaching as a profession.

Prerequisite: EDCI 1000 Corequisite: EDEC 1025

EDEC 1025**EARLY CHILDHOOD PRACTICUM I****Credit 1**

This practicum, taken concurrently with Intro to Early Childhood Education, 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 practicum.

Prerequisite: EDCI 1000 Corequisite: EDEC 1020

EDEL 1410**MATH FOR ELEMENTARY SCHOOL TEACHERS I****Credit 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: None

Corequisite: MATH 1100

EDEL 2410 (EDEL 1420)**MATH FOR ELEMENTARY SCHOOL TEACHERS II****Credit 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 2190**THE GIFTED STUDENT****Credit 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****Credit 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 1010**FIELD EXPERIENCE****Credit 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)

EDFD 2020**FOUNDATIONS OF EDUCATION****Credit 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 (EDFD 2040)**EDUCATIONAL PSYCHOLOGY****Credit 3**

Students will demonstrate knowledge and understanding of psychological concepts, principles, and research relevant to teaching and learning with emphasis on the school setting.

Prerequisites: EDFD 2020 (C or better), EDUC 2100 (C or better) and PSYC 1000

Corequisite: EDUC 2110

EDFD 2451**LIFE SPAN: ADULTHOOD****Credit 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.

Prerequisite: None

EDUC 1520**SUBSTITUTE TEACHER TRAINING****Credit 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, and high school). These observations will not be part of this class. Students will need to arrange the observations with their school districts.

Prerequisites: High School Diploma or GED Certificate

EDUC 2100 (EDCI 2021)**PRACTICUM IN TEACHING I****Credit 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 (EDCI 2041)**PRACTICUM IN TEACHING II****Credit 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.

Prerequisites: EDUC 2100 (C or better), EDFD 2020 (C or better), and PSYC 1000
Corequisite: EDFD 2100

EDUC 2800**EDUCATION CAPSTONE****Credit 2**

This course is a capstone course for students working towards an A.A. or A.S. degree with a major in Education. This class requires the student to demonstrate the integration and synthesis of competencies in a variety of domains required as part of the WWCC Education Program. Students will complete culminating projects both individually and collaboratively to convey mastery of the course outcomes. **This course does not fulfill the WWCC Assessment Requirement for Graduation.**

Prerequisite or Corequisite Courses: EDFD 2100 and EDUC 2110, or EDEC 1025

ELECTRICAL APPRENTICESHIP

INDEPENDENT ELECTRICIANS CONTRACTORS (I.E.C.)

ELAP 1515

ELECTRICAL APPRENTICESHIP I

Credit 3

This course is designed to provide the beginning electrical apprentice with the necessary skills and knowledge to ensure safe and efficient work practices on the job. Topics of study include safety, introduction to the National Electrical Code, basic electrical theory, lighting and appliance circuits and wiring methods.

Prerequisite: None

ELAP 1525

ELECTRICAL APPRENTICESHIP II

Credit 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

ELAP 1535

ELECTRICAL APPRENTICESHIP III

Credit 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

ELAP 1545

ELECTRICAL APPRENTICESHIP IV

Credit 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 wiring methods, branch and feeder circuits, motor calculations, transformer sizing and applications of the National Electrical Code.

Prerequisite: ELAP 1535

ELAP 1555

ELECTRICAL APPRENTICESHIP V

Credit 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

ELAP 1565

ELECTRICAL APPRENTICESHIP VI

Credit 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 of the National Electrical Code.

Prerequisite: ELAP 1555

ELAP 1575**ELECTRICAL APPRENTICESHIP VII****Credit 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

ELAP 1585**ELECTRICAL APPRENTICESHIP VIII****Credit 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

ELECTRICITY/ELECTRONICS/ INSTRUMENTATION TECHNOLOGY

ELTR 1030**PROGRAMMABLE LOGIC CONTROLLERS, FOR INDUSTRY****Credit 1-3 Variable**

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.

Prerequisite: None

ELTR 1035**PROCESS CONTROL TECHNIQUES:****Credit 1-3 Variable**

This course is designed to teach students the basic techniques necessary to evaluate process control loop operation and make changes to controller settings to achieve an acceptable loop response. Students will be working with functioning process loops using industrial control components such as digital controllers, smart transmitters, and control valve/positioner final control elements. Techniques for setting up and calibrating components will be utilized. Tuning results will be documented with strip chart recordings of the process response.

Prerequisite: Varies by Topic

ELTR 1501**ELECTRICAL SAFETY AWARENESS I****Credit 1**

This course will provide an introduction to electrical safety awareness in various industries. Curriculum will be based on industry needs such as public safety, emergency preparedness, and worker protection. Students will also be introduced to using the National Electrical Code Book. Prerequisite: None

ELTR 1502**ELECTRICAL SAFETY AWARENESS II****Credit 1**

This course is a continuation of ELTR 1501 Electrical Safety Awareness I, and will provide expanded curriculum of electrical safety awareness. Curriculum will include review of the National Electrical Code Book and electrical compliance as outlined by MSHA and OSHA. Industry needs such as public safety, emergency preparedness, and worker protection will also be addressed.

Prerequisite: ELTR 1501

ELTR 1505**ELECTRICAL ASSEMBLY & MEASURE****Credit 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 solder, make electrical connections, and safely use various types of measurement equipment upon completion of this course.

Prerequisite: None

ELTR 1520**BASIC ELECTRICITY - DC****Credit 3**

This course is offered as both a day and an evening class, and students employed in shift-work may attend either session. The student will develop electrical safety and good shop practice skills. Topics of study include DC electricity theory, units of electricity, Ohm's Law, Kirchhoff's Laws, power, resistance, series-parallel circuits, electrical math and the use of formulas, and the use of basic meters. The student must demonstrate the ability to troubleshoot a complex DC series-parallel circuit upon completion of this course.

Prerequisite: TECH 1000, MATH 0920, ELTR 1505 or Instructor Permission

ELTR 1521**BASIC ELECTRICITY- DC, FOR INDUSTRY****Credit 1**

The student will develop electrical safety and good shop practice skills. Topics of study include DC electricity theory, units of electricity, Ohm's Law, Kirchhoff's Laws, power, resistance, series-parallel circuits, electrical math and the use of formulas, and the use of basic meters. The student must demonstrate the ability to troubleshoot a complex DC series-parallel circuit upon completion of this course.

Prerequisite: None

ELTR 1530**BASIC ELECTRICITY - AC****Credit 3**

This course is offered as both a day and an evening class, and students employed in shift-work may attend either session. Topics of study include AC electricity theory, magnetism, inductance, capacitance, reactance, impedance, resonance, AC series-parallel circuits, electrical math and the use of formulas, and the use of the oscilloscope and AC test equipment. The student must demonstrate the ability to troubleshoot a complex AC series-parallel circuit upon completion of this course.

Prerequisite: ELTR 1520 or Instructor Permission

ELTR 1531**BASIC ELECTRICITY- AC, FOR INDUSTRY****Credit 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.

Prerequisite: None

ELTR 1681**ELECTRICAL PRINT READING, FOR INDUSTRY****Credit .5**

This course is designed to instruct students on the reading and interpretation of electrical shop drawings as well as the symbols used in these types of blueprints. Topics may include an introduction to electrical schematics and symbols; guidelines for reading electrical schematics, symbols, and diagrams; and logic applied to electrical line diagrams.

Prerequisite: None

ELTR 1700**INTRO. TO SOLID STATE ELECTRONICS****Credit 4**

This self-paced course is offered as both a day and an evening class, and students employed in shift-work may attend either session. Topics of study include safety, principles of semiconductors, methods of testing diodes and bipolar transistors, power supplies and basic amplifiers. The student must demonstrate the ability to properly connect and troubleshoot basic solid state power supplies and amplifiers upon completion of this course.

Prerequisite: ELTR 1530 or Instructor Permission

ELTR 1701**SOLID STATE ELECTRONICS, FOR INDUSTRY****Credit 1**

Topics of study include safety, principles of semiconductors, methods of testing diodes and transistors, power supplies and basic transistor amplifiers.

Prerequisite: ELTR 1531 or Instructor Permission

ELTR 1703**VARIABLE FREQUENCY DRIVES, FOR INDUSTRY****Credit 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 class can be used as the industry training part of the electrical recertification.

Prerequisite: None

ELTR 1760**INTRO. TO DIGITAL ELECTRONICS****Credit 4**

This self-paced course is offered as both a day and an 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****Credit 3**

Topics of study include safety, 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, MATH 0920, or Instructor Permission

ELTR 1841**INSTRUMENTATION I, FOR INDUSTRY****Credit 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.

Prerequisite: None

ELTR 1850**INSTRUMENTATION - OIL & GAS PRODUCTION****Credit 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, MATH 0920, or Instructor Permission

ELTR 2620**CONTROL SYSTEM COMMUNICATIONS****Credit 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 (ELTR 2840 & ELTR 2880)**PROGRAMMABLE LOGIC CONTROLLERS****Credit 3**

This course is designed to provide the students with a theoretical, yet practical, look at PLCs 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 PLCs upon completion of this course.

Prerequisite: ELTR 2840 and ELTR 2885, or Instructor Permission

ELTR 2820**POWER DISTRIBUTION****Credit 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****Credit 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.

Prerequisite: None

ELTR 2840 (ELTR 1610)**MOTOR CONTROLS****Credit 3**

This course is designed to instruct students on electrical, motor, and mechanical devices used in industrial control circuits. Topics of study includes safety, schematic and ladder diagrams, contactors, interlocks, manual and automatic starts, alarm and indicator circuits and programmable logic controller applications. The student must demonstrate the ability to connect and troubleshoot motor control circuits upon completion of this course.

Prerequisite: ELTR 1520 or Instructor Permission

ELTR 2841**MOTOR CONTROLS, FOR INDUSTRY****Credit 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.

Prerequisite: None

ELTR 2844**REMOTE TERMINAL UNIT PROGRAMMING****Credit 3**

This course will teach the methodology for programming the various IEC-61131 languages. The course will include classroom lecture that will be reinforced with lab work using industry standard software and hardware. Topics of learning may include safety, establishing communication between a PC and a controller, database creation, I/O selection and configuration, MODBUS addressing, and the IEC-61131 programming languages: 1) ladder logic, 2) function block diagrams, 3) structured text and 4) sequential function charts. The student must demonstrate the ability to connect to, program and troubleshoot a controller.

Prerequisite: ELTR 1520 and ELTR 2885, or Instructor Permission

ELTR 2846**HUMAN MACHINE INTERFACE PROGRAMMING****Credit 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 LOGICAL CONTROLLERS****Credit 3**

This course is a continuation of ELTR 2815 (Programmable Logic Controllers) in the study of PLCs. The course focuses on the techniques and laboratory practice for programming and troubleshooting PLCs and their incorporation in industrial control circuits. Topics of study include safety, schematic and ladder diagrams, as well as programmable logic controller applications, programming, operation, and graphic user interface programs. The student must demonstrate the ability to program, connect, and troubleshoot practical industrial control circuits utilizing PLCs and personal computers.

Prerequisite: ELTR 2815 or Instructor Permission

ELTR 2885**INSTRUMENTATION II****Credit 3**

A continuation of ELTR 1840 in the study of instrumentation techniques. Laboratory practice and study of the techniques for adjustment and calibration and testing of instrumentation components.

Prerequisite: ELTR 1840, or ELTR 1841, or Instructor Permission

ELTR 2890**INSTRUMENTATION III****Credit 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

EMERGENCY MANAGEMENT**EMGT 1500****PRINCIPLES OF EMERGENCY MANAGEMENT****Credit 3**

This course introduces students 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.

Prerequisite: None

EMGT 1530**EMERGENCY PLANNING FOR DISASTER****Credit 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 natural or manmade emergencies.

Prerequisite: None

EMGT 1630**EMERGENCY OPERATIONS CENTER****Credit 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.

Prerequisite: None

EMGT 1650**EMERGENCY RESOURCE MANAGEMENT****Credit 3**

This course provides students with the knowledge and skills required to effectively identify, develop, and manage a resource management system.

Prerequisite: None

EMGT 2610**DISASTER EXERCISE DESIGN & EVALUATION****Credit 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.

Prerequisite: None

EMGT 2640**DISASTER RESOURCE & RECOVERY OPERATIONS****Credit 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.

Prerequisite: None

ENGINEERING**ES 1000****ORIENTATION TO ENGINEERING STUDY****Credit 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.

Prerequisite: None

ES 1060**INTRO. TO ENGINEERING COMPUTING****Credit 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****Credit 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.

Prerequisite: None

ES 1080**SOLID MODELING II****Credit 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 lab to allow the application and practice of the concepts. Familiarity with dimensions, drafting, and working drawings is recommended.

Prerequisites: ES 1070 or Instructor Permission

ES 2110**STATICS****Credit 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.

Prerequisites: MATH 2205 or Concurrent Enrollment in MATH 2205, PHYS 1310, or Instructor Permission

ES 2120**DYNAMICS****Credit 4**

Vector dynamics of particles and rigid bodies, including rectilinear and curvilinear motion, Newton's laws of motion, impulse-momentum, and work-energy methods.

Prerequisites: ES 2110, PHYS 1310, MATH 2205 or Instructor Permission

ES 2211**ELECTRIC CIRCUIT THEORY****Credit 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. By the end of the semester, the student will have studied several techniques for circuit analysis and the descriptions of power and energy in electrical circuits.

Prerequisite: MATH 2205 (or may be taken concurrently with MATH 2205)

ES 2230**COMPUTER-AIDED DRAFTING****Credit 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.

Prerequisite: Some drafting experience or Instructor Permission

ES 2240**ADVANCED COMPUTER-AIDED DRAFTING****Credit 3**

An advanced course that focuses on the functions and command required to operate AutoCAD, such as symbol libraries, isometrics, autolisp, 3D, screen and tablet menus, slides and icon menus.

Prerequisite: ES 2230

ES 2410**MECHANICS OF MATERIALS****Credit 3**

Analysis and design of deformable bodies subjected to loads, including energy methods.

Prerequisite: ES 2110 or Instructor Permission

ENGLISH**ENGL 0950****BASIC ENGLISH I****Credit 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 Test Score of 38 or lower

ENGL 0955**BASIC ENGLISH II****Credit 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, or punctuation errors as possible.

Prerequisites: English Placement Test Score of 39-74 or ENGL 0950 (C or better)

ENGL 1010**ENGLISH COMPOSITION I****Credit 3**

This freshman English course is designed to develop writing skills. The course has two objectives: (1) for students to understand the various stages of the writing process, such as pre-writing, revising, and proofreading and (2) for students to write clear, well-ordered essays. Prerequisites: English Placement Exam or English ACT score of 21 or higher.

ENGL 1020**ENGLISH COMPOSITION II****Credit 3**

A continuation of English Composition I, this course emphasizes writing, research, and analytical reading. Prerequisite: ENGL 1010

ENGL 1111**ADVANCED COMPOSITION****Credit 3**

A course intended to increase the student's 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****Credit 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:****Credit 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, or 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. This course may be taken three times for credit. Prerequisite: None

ENGL 2050**CREATIVE WRITING: PROSE I****Credit 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. Prerequisite: None

ENGL 2060**CREATIVE WRITING: PROSE II****Credit 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. Prerequisite: None

ENGL 2064**CREATIVE WRITING: JOURNALING****Credit 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.

Prerequisite: None

ENGL 2065**CREATIVE WRITING: MEMOIR WRITING****Credit 3**

In this course, 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.

Prerequisite: None

ENGL 2080**CREATIVE WRITING: POETRY I****Credit 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.

Prerequisite: None

ENGL 2090**CREATIVE WRITING: POETRY II****Credit 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: None

ENGL 2091**CREATIVE WRITING: PUBLISHING YOUR WORK****Credit 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.

Prerequisite: None

ENGL 2140**WORLD LITERATURE I****Credit 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****Credit 3**

Renaissance through 19th Century: Continuation of ENGL 2140.

Prerequisite: ENGL 1010; offered on a demand basis

Course Descriptions

ENGL 2250

WOMEN IN LITERATURE I

Credit 3

A literature course which explores the images of women in the Western traditions, from early writings of the Greeks to the 19th Century. Students will read both male and female authors' works, but particularly the wealth of great literature written by women in those times.

Prerequisite: None

ENGL 2310

AMERICAN LITERATURE I

Credit 3

A study of the literature of the early American settlers, of wilderness travelers, of the witchcraft 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.

Prerequisite: None

ENGL 2320

AMERICAN LITERATURE II

Credit 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.

Prerequisite: None

ENGL 2340

NATIVE AMERICAN LITERATURE

Credit 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.

Prerequisite: None

ENGL 2370

WESTERN AMERICAN LITERATURE

Credit 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.

Prerequisite: None

ENGL 2390

LITERATURE OF WYOMING

Credit 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: ENGL 1010

ENGL 2420**LITERARY GENRES****Credit 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.

Prerequisites: ENGL 1010 or concurrently enrolled or Instructor Permission

ENGL 2470**FILM APPRECIATION****Credit 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.

Prerequisite: None

ENGL 2495**WORKSHOPS IN ENGLISH:****Credit 1**

This course is a beginning creative writing workshop designed to generate writing both in and outside of class. Visiting writers will present to the class.

Prerequisite: None

FINANCE**FIN 2100****MANAGERIAL FINANCE****Credit 3**

This course deals with the management of capital in a business firm. It analyzes 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

FOREIGN LANGUAGE**FREN 1010****FIRST YEAR FRENCH I****Credit 4**

This beginning level course introduces the fundamentals of grammar, composition, conversation & reading.

NOTE: a student who has successfully completed two years or more of high school French with a "B" or better should not enroll in this beginning class.

Prerequisite: None

FREN 1020**FIRST YEAR FRENCH II****Credit 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.

GERM 1010**FIRST YEAR GERMAN I****Credit 4**

This beginning level course introduces the fundamentals of grammar, composition, conversation & reading.

NOTE: a student who has successfully completed two years or more of high school German with a "B" or better should not enroll in this beginning class.

Prerequisite: None

Course Descriptions

GERM 1020

FIRST YEAR GERMAN II

Credit 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

SPAN 1010

FIRST YEAR SPANISH I

Credit 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.

Prerequisite: None

SPAN 1020

FIRST YEAR SPANISH II

Credit 4

This course offers the fundamentals of grammar, composition, conversation and reading.

Prerequisite: SPAN 1010 or successfully completion of two years of high school Spanish or the equivalent.

SPAN 1050

CONVERSATIONAL SPANISH I

Credit 2

This beginning level course offers the fundamentals of basic conversation in Spanish.

Prerequisite: None

SPAN 1060

CONVERSATIONAL SPANISH II

Credit 2

This course continues to develop and enhance basic conversation in Spanish.

Prerequisite: SPAN 1050, or SPAN 1010, or instructor permission.

SPAN 1070

SPANISH FOR HEALTH CARE PERSONNEL

Credit 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 student will also learn about cultural differences, which need to be considered when communicating with someone from a different country.

Prerequisite: None

SPAN 1075

SPANISH FOR TRAVELERS

Credit 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.

Prerequisite: None

SPAN 1080

SPANISH FOR LAW ENFORCEMENT

Credit 3

This course is designed specifically for law enforcement personnel with the overall goal of adequate comprehensive communication in Spanish. This course will focus primarily on verbal communication in forms of commands, questions and dialogue in work-related settings. Certain aspects of Hispanic culture will also be studied for a better of understanding of the culture and language.

Prerequisite: None

SPAN 2030**SECOND YEAR SPANISH I****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.

Prerequisites: SPAN 1020 or successful completion of three years of high school Spanish or the equivalent.

SPAN 2040**SECOND YEAR SPANISH II****Credit 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.

GEOGRAPHY AND RECREATION**G&R 1000****INTRO TO GEOGRAPHY****Credit 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 nonrenewable resources.

Prerequisite: None

G&R 1050**INTRO TO NATURAL RESOURCES****Credit 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.

Prerequisite: None

GEOLOGY**GEOL 1100****PHYSICAL GEOLOGY****Credit 4**

Designed to acquaint the student with earth materials and processes including formation of minerals, rocks, mountains, glaciers, and various landscapes, as well as erosional problems, continental drift, earthquakes, and geology of the nearest planets. Laboratory includes rocks and mineral identification, map use and interpretation.

Prerequisite: None

Corequisite Lab required

GEOL 1200**HISTORICAL GEOLOGY****Credit 4**

This course deals with the concept of time and sequence of events forming the present crustal rocks and land surface. Origin and evolution of life as revealed through fossils and map interpretations.

Prerequisite: GEOL 1100 or Instructor Permission

Corequisite Lab required

GEOL 2080**GENERAL FIELD GEOLOGY****Credit 2**

Four field trips totaling 70 hours of direct field experience in geology will expose the students to the variety of geological processes and examples in western Wyoming. These include study of the rocks and landscapes of the Teton, Wind River, and Uinta Ranges and their formation, structural relations, erosion, and glacial processes. The Green River Basin, its formation, sediments, trona, coal, oil and gas deposits, and erosional history make up over half of the course. Some fossil collections may be made. Other field trips may substitute for one or more of those listed.

Prerequisites: Previous or concurrent enrollment in GEOL 1100, 1200, 2150, or Instructor Permission

GEOL 2150**GEMORPHOLOGY****Credit 4**

Designed to acquaint the student with the breadth of geologic processes that shape the earth's surface and produce the major topographic features. Studied in depth are the processes, effects, and results of streams, rivers, landslides, weathering, glaciers, deserts, shorelines, oceans, and volcanism. Some emphasis is placed on the relationship of various engineering and construction projects to the mechanics of the surfaces on which they are built.

Prerequisite: GEOL 1100 or Instructor Permission

Corequisite Lab required

GERMAN**GERM 1010****FIRST YEAR GERMAN I****Credit 4**

This beginning level course introduces the fundamentals of grammar, composition, conversation & reading.

NOTE: a student who has successfully completed two years or more of high school German with a "B" or better should not enroll in this beginning class.

Prerequisite: None

GERM 1020**FIRST YEAR GERMAN II****Credit 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

HEALTH EDUCATION**HLED 1003****WELLNESS****Credit 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.

Prerequisite: None

HLED 1222**WILDERNESS FIRST AID & SAFETY****Credit 2**

Wilderness First Aid is an intense course designed to provide the student with the skills, knowledge, confidence, and ability to provide a high level of care to persons who have suffered injury and/or illness in remote locations. This course also prepares the student to function without the assistance of qualified medical personnel, with a minimal amount of equipment, and in outdoor locations complicated by adverse weather and non-sterile environments.

This course does not meet the Social Science or Health & Human Activity general education requirement for graduation.

Prerequisite: None

HLED 1225**FIRST AID AND CPR****Credit 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.

This course does not meet the Social Science or Health & Human Activity general education requirement for graduation.

Prerequisite: None

HEALTH SCIENCE GENERAL**HLTK 1200****MEDICAL TERMINOLOGY****Credit 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.

Prerequisite: None

HLTK 1501**ADVANCED CARDIAC LIFE SUPPORT (ACLS) PROVIDER CORE****Credit .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**ADVANCED CARDIAC LIFE SUPPORT (ACLS) PROVIDER****Credit 1**

The ACLS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a patient, either in or out of a hospital setting. In addition to intense instruction of ECG Rhythms and ACLS pharmacology, students will practice essential skills both individually and as part of a team. An American Heart Association ACLS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1501 and HLTK 1502.

Prerequisite: Instructor Permission

Course Descriptions

HLTK 1503

PEDIATRIC ADV. CARDIAC LIFE SUPPORT (PALS) PROVIDER CORE

Credit .5

The PALS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a Pediatric patient, either in or out of a hospital setting. Students will practice essential skills both individually and as part of a team. An American Heart Association PALS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1503 and HLTK 1504.

Prerequisite: Instructor Permission

HLTK 1504

PEDIATRIC ADVANCED CARDIAC LIFE SUPPORT (PALS) PROVIDER

Credit 1

The PALS Provider Course is limited to healthcare providers who either will direct or participate in the resuscitation of a Pediatric patient, either in or out of a hospital setting. In addition to intense instruction of ECG Rhythms and PALS pharmacology, students will practice essential skills both individually and as part of a team. An American Heart Association PALS Card will only be issued to students achieving 84% or higher in this course. Students may not receive credit for both HLTK 1503 and HLTK 1504.

Prerequisite: Instructor Permission

HLTK 1505

PRE-HOSPITAL TRAUMA LIFE SUPPORT (PHTLS)

Credit 1

The Pre-Hospital Trauma Life Support Course combines both basic and advanced trauma skills and concepts and is open to all pre-hospital health care providers (first responders, fire, police, search and rescue, EMTs, paramedics, nurses, physicians, and physician assistants) who will be involved in treating a trauma or multi-symptom patient. Some approaches taught will vary from traditional treatment modalities. Upon successful completion of the course, students will receive a PHTLS Card from the National Association of EMTs. A PHTLS Card will be issued to student who successfully complete the course with a B or better.

Prerequisite: None

HLTK 1530

INTRODUCTION TO PROBLEM BASED LEARNING

Credit 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.

Prerequisite: None

HLTK 1650

ADVANCED CPR/AED FOR PROFESSIONALS

Credit 1

This course builds upon the current Lay-Rescuer CPR certification, which includes Adult, Child, 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 additions 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.

Prerequisite: HLTK 1630, Current Lay-Rescuer CPR Card, or Instructor Permission

HLTK 1655**INTRO TO ELECTROCARDIOGRAPHY (ECG) INTERPRETATION****Credit 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, nursing student, EMT or Instructor Permission

HLTK 1670**BASIC EMERGENCY CARE****Credit 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.

Prerequisite: None

HISTORY**HIST 1110****WESTERN CIVILIZATION I****Credit 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.

Prerequisite: None

HIST 1120**WESTERN CIVILIZATION II****Credit 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.

Prerequisite: None

HIST 1211**U.S. HISTORY I: TO 1865****Credit 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 71 or higher, or ACT Reading score of 20 or higher, or HMDV 1000 (C or better)

HIST 1221**U.S. HISTORY II: FROM 1865****Credit 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 71 or higher, or ACT Reading score of 20 or higher, or HMDV 1000 (C or better)

Course Descriptions

HIST 1251**WYOMING HISTORY****Credit 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 71 or higher, or ACT Reading score of 20 or higher, or HMDV 1000 (C or better)

HIST 1290**HISTORY OF THE U.S. WEST****Credit 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.

Prerequisite: None

HIST 1340**SWEETWATER COUNTY HISTORY****Credit 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 the area's cultural diversity and development.

Prerequisite: None

HIST 1350**INTRODUCTION TO PUBLIC HISTORY****Credit 3**

This course introduces the student to the nonteaching, professional uses of the discipline of history. Here we will provide a basic overview of museology, historic site management, historic preservation and planning, and the field of "contract history".

Prerequisite: None

HIST 1360**LIVING HISTORY****Credit 1-4**

Living history is designed to be a public education program. When a living history program is conducted properly it is an education tool that teaches the public how historic events and activities shaped the past and influenced the future. To properly perform in a living historic program, the student must memorize and be familiar with certain aspects of history. This re-enactment course is designed to teach the student the proper techniques and methods used when employed as a living history guide at a state or national historic site.

Prerequisite: Instructor Permission

HIST 1410**ENVIRONMENTAL HISTORY****Credit 3**

Team-taught course which introduces students to the history of the conservation and environmental movements in America. Helps students to develop wilderness survival skills and a scientific perspective from which to develop their own eco-system ethics.

Prerequisite: None

HIST 2040**CHINESE CIVILIZATION****Credit 3**

The class provides the student with a survey of Chinese Civilization from early prehistoric times to the present. The class will cover the rise of agriculture, the development of Chinese civilization, the rise of the Dynastic Period, and the role the Chinese Dynasties played in world history. In addition the class will cover the Revolutionary Period from 1900 to 1980. The focus of this class will be to show the role Chinese culture played in developing Chinese history.

Prerequisite: None

HIST 2060**HOLOCAUST IN EUROPE: 1933-45****Credit 3**

This class will focus on the origins, events and consequences of one the most defining periods of genocidal behavior--the Holocaust in Europe. This course will give the student an understanding of the perpetrators, victims and bystanders. This goal will be accomplished by studying eastern European history from January 1933 through May 1945.

Prerequisite: None

HIST 2290**HISTORY OF AMERICAN INDIANS****Credit 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.

Prerequisite: None

HIST 2310**AMERICAN WOMEN'S HISTORY****Credit 3**

This 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 clear understanding of how women shaped America as active participants in the development of the United States.

Prerequisite: None

HOME ECONOMICS/NUTRITION**HOEC 1140****NUTRITION****Credit 3**

Relationship of food to maintenance of health and importance to the individual and society. Students are encouraged to think through and understand the topics discussed and apply the information to their lives.

Prerequisite: None

HUMAN DEVELOPMENT

HMDV 0550

US CULTURE/COMMUNICATION

Credit 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

Credit 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.

Required for all students with a COMPASS Reading score of 70 or below, or an ACT Reading score of 19 or below.

Prerequisite: None

HMDV 1100

SPEED READING

Credit 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.

Prerequisite: None

HMDV 1110

COLLEGE VOCABULARY

Credit 1

This course is recommended for students who have good reading skills and want to expand their knowledge of words.

Prerequisite: None

HMDV 1270

STRESS MANAGEMENT & REDUCTION

Credit 1

This course will help students identify what stress is and how it impacts them emotionally and physically. They will learn to utilize relaxation skills to manage and/or reduce the negative impact of stress.

Prerequisite: None

HMDV 1280

EXPLORATIONS IN PERSONALITY

Credit 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.

Prerequisite: None

HMDV 1502 (DVST 0100)**ENGLISH AS A SECOND LANGUAGE****Credit 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.

Prerequisites: Intermediate English proficiency assumed. COMPASS score of 38 or below in Writing (Grammar). All non-native students who do not qualify for Basic English II based on the Compass test must take this course for a semester or more.

HMDV 1503 (DVST 0104)**NON-NATIVE CONVERSATION****Credit 3**

This course is designed to provide non-native college students with the opportunity to practice speaking and listening skills, and to develop fluency in English. Students who need to improve basic communication and need 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.

Prerequisite: None

HMDV 1515**CAREER DEVELOPMENT****Credit 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.

Prerequisite: None

HMDV 2410**ASSESSMENT PORTFOLIO****Credit 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 toward graduation

HMDV 2411**ASSESSMENT REQUIREMENT****Credit 0**

Indicates student's completion of the WWCC Assessment requirement for graduation.

HMDV 2475**INTERNSHIP: TUTOR TRAINING****Credit 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 Peer Tutor Center

HUMANITIES (GENERAL)

HUMN 1010

INTRODUCTION TO HUMANITIES--HONORS COLLOQUIUM

Credit 3

This Honors Colloquium has a humanities focus but with a contemporary vision. The goal of the class is to model the intellectual life, not only through reading and study, 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, art galleries, etc. Required for all WWCC Honors Program students. Offered fall semester.

Prerequisite: Admission to the Honors Program

HUMN 2486

WESTERN AMERICAN STUDIES SEMINAR:

Credit 3

The Western Studies Seminar is an interdisciplinary course that examines issues facing citizens of western states. Its goal is to prepare students to more fully understand the historical, economic, environmental and cultural forces that shape their lives.

Prerequisite: None

INDUSTRIAL MAINTENANCE

INDM 1510

INDUSTRIAL MECHANICS I*

Credit 3

This course will consist of instruction in metric and English measurement, shop safety, identification and use of hand tools, use of special mechanic tools, and the operation of machines and equipment used in repair of industrial equipment. Related science and related communication skills.

Prerequisite: None *5-week course

INDM 1520

INDUSTRIAL MECHANICS II*

Credit 3

This course will cover basic and advanced rigging; forklift operation of industrial trucks; safety and preventive maintenance of forklifts; 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.

Prerequisite: None *5-week course

INDM 1521

BASIC BEARING AND LUBRICATION

Credit 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. **Students may not receive credit in this course as well as INDM 1520.**

Prerequisite: None

INDM 1524

LUBRICATION PRINCIPLES & ANALYSIS

Credit 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.

Prerequisite: None

INDM 1525**BASIC HYDRAULICS****Credit 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.

Prerequisite: None

INDM 1530**INDUSTRIAL MECHANICS III*****Credit 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.

Prerequisite: None *5-week course

INDM 1531**BASIC ALIGNMENT****Credit 1**

This course is designed to give students the basic knowledge and understanding of couplings. It 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. Students will be required to disassemble and reassemble a gear box to within industry standards. Students will be required to demonstrate their troubleshooting skills.

Students may not receive credit in this course as well as INDM 1530.

Prerequisite: None

INDM 1535**ADVANCED HYDRAULICS****Credit 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*****Credit 3**

The student 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; reciprocating, rotary screw, sliding vane, liquid ring, and dynamic air compressors; boiler maintenance; and heat exchangers.

Prerequisite: None *5-week course

INDM 1541**MECHANICAL DRIVES****Credit 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.

Prerequisite: None

Course Descriptions

INDM 1542

INDUSTRIAL PUMPS

Credit 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.

Prerequisite: None

INDM 1550

INDUSTRIAL MECHANICS V*

Credit 3

This course will cover centrifugal and positive displacement pumps, 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.

Prerequisite: None *5-week course

INDM 1560

PREVENTIVE MAINTENANCE*

Credit 3

This course will cover how to administrate a preventive maintenance program through different types of maintenance, such as breakdown, corrective, and renovative maintenance; how management benefits from a preventive maintenance program; how to get a preventive maintenance program started; computerized maintenance including the importance of record keeping, and how computers can be used in troubleshooting equipment; inspection guides for mechanical drives, such as bearings, chain, belts, gears, and couplings; and fluid power systems, such as pumps, compressors, accumulators, control valves, and actuators. This course will also cover vibration determination and correction.

Prerequisite: None *5-week course

INDM 1566

VIBRATION ANALYSIS FOR INDUSTRY

Credit 1

This course will introduce the student to basic machinery vibration, measurement, and analysis.

Prerequisite: None

INDM 1567

PRECISION MAINTENANCE BEST PRACTICES

Credit .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.

Prerequisite: None

INDM 1570

INDUSTRIAL HYDRAULICS*1 (FLUID POWER)

Credit 3

The 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. The course will cover hydraulic symbols and prints used in industry.

Prerequisite: None *5-week course

INDM 1580**INDUSTRIAL HYDRAULICS II (FLUID POWER)****Credit 3**

Hydraulics II is a continuation of Hydraulics I. 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 1570

INDM 1585**INDUSTRIAL HYDRAULICS III (FLUID POWER)****Credit 3**

This course will cover pressure control valves, including pressure relief, pressure reducing, sequence, and counter balance. Other topics will be cracking pressure, full flow pressure, and pressure override and how they can affect the operation of the system. Hydraulic pumps including gear, vane, piston, hydraulic motors, reservoirs, coolers, and filters, as well as the electrical components required to activate hydraulic components will also be studied.

Prerequisite: INDM 1580

INDM 1590**INDUSTRIAL PNEUMATICS*****Credit 3**

The course will cover energy transmission using a pneumatics system; the control of pneumatic energy; positive displacement, piston, vane and helical type compressors; air distribution systems; receiver tank, piping system; after coolers; air driers; check valves; cylinder and motors; how a check valve works, sizing an air cylinder; selecting an air motor; controlling compresses air through directional control valves, flow control valves, silencers, quick exhaust valves, regulators and sequence valves; and air preparation.

Prerequisite: None *5-week course

INDM 1595**SPECIAL TOPICS IN INDUSTRIAL MAINTENANCE:****Credit .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.

Prerequisite: None

INFORMATION MANAGEMENT**IMGT 2400****INTRODUCTION TO INFORMATION MANAGEMENT****Credit 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.

Prerequisites: COSC 1200 or Minimum Score of 85% on the COSC 1200 Test-Out Exam

INSTRUCTIONAL TECHNOLOGY**ITEC 2360****TEACHING WITH TECHNOLOGY****Credit 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.

Prerequisites: EDCI 1000, or other introductory education course or instructor permission.

Experience with computers recommended

LIBRARY SCIENCE

LIBS 2280

LITERATURE FOR CHILDREN

Credit 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

MACHINE TOOL TECHNOLOGY

Courses in this area are offered as needed and to support other majors. Machine Tool Technology is not a degree program.

MCH 2740

MACHINE TOOL PROCESSES I

Credit 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.

Prerequisite: None

MCH 2750

MACHINE TOOL PROCESSES II

Credit 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

Credit 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

Credit 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

MANAGEMENT & SUPERVISION

MGT 1000

INTRO. TO SUPERVISION

Credit 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.

Prerequisite: None

MGT 1040**LEGAL ENVIRONMENT OF BUSINESS****Credit 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.

Prerequisite: None

MGT 2020**FUNDAMENTALS OF LEADERSHIP I****Credit 2**

Leadership is the ability to influence a group of people towards a goal. In this course students will increase their own leadership capacities through knowledge of themselves and others and practice of leadership techniques. Students will review literature, take practical leadership inventories, class discussion, and hands-on exercises.

Prerequisite: Student Leader in ASG, RA's, Club Leaders. Others with Instructor Permission

MGT 2100 (42-201)**PRINCIPLES OF MANAGEMENT****Credit 3**

The 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: ENGL 1010

MGT 2120**FUNDAMENTALS OF LEADERSHIP II****Credit 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, RAs, or Clubs; Others with Instructor Permission.

MARKETING**MKT 1000****SALES****Credit 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 sales demonstration. This course will be offered every other year.

Prerequisite: None

MKT 1100**RETAILING****Credit 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 layout, 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.

Prerequisite: None

Course Descriptions

MKT 1300

ADVERTISING

Credit 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.

Prerequisite: None

MKT 1400

CUSTOMER SERVICE

Credit 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.

Prerequisite: None

MKT 2100

MARKETING

Credit 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.

Prerequisites: None

MATHEMATICS

MATH 0920

BEGINNING ALGEBRA

Credit 4

Introduction to elementary algebra with applications. Topics include operations with real numbers, operations involving algebraic expressions, factoring, exponents, polynomials, solving linear equations and graphing. **Does not fulfill WWCC math graduation requirement.**

Prerequisites: DVST 0900 or appropriate Math Placement Test score

MATH 0930

INTERMEDIATE ALGEBRA

Credit 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. **Does not fulfill WWCC math graduation requirement.**

Prerequisites: MATH 0920 (C or better) or appropriate Math Placement Test score, or Math ACT score of 21 or higher

MATH 1000

PROBLEM SOLVING

Credit 3

The course focuses on the methods, processes, and strategies used 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.

Prerequisites: MATH 0920 (C or better) or appropriate Math Placement Test score, or Math ACT score of 21 or higher, or TECH 1000 (C or better)

Note: MATH 1000 cannot be used as a prerequisite for MATH 1400.

MATH 1100**NUMBERS AND OPERATIONS FOR ELEMENTARY SCHOOL TEACHERS****Credit 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.

Prerequisites: MATH 0920 (C or better) or COMPASS Math Placement Level 2 or Math ACT of 21 or Math SAT of 600.

Corequisite: EDEL 1410

MATH 1105**DATA, PROBABILITY, AND ALGEBRA FOR ELEMENTARY SCHOOL TEACHERS****Credit 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****Credit 4**

This course emphasizes algebra topics which are important in 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.

Prerequisites: MATH 0930 (C or better), Math ACT of 23 or higher, or appropriate Math Placement Test score

Note: MATH 1000 cannot be used as a prerequisite for MATH 1400.

MATH 1405**PRECALCULUS TRIGONOMETRY****Credit 3**

This course 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 representations of complex numbers and applications. Other topics may be included as time permits. A graphing calculator may be required in some sections.

Prerequisites: MATH 1400, (C or better), Math ACT of 25 or higher, or appropriate Math Placement Test score

MATH 2120**GEOMETRY AND MEASUREMENT FOR ELEMENTARY SCHOOL TEACHERS****Credit 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****Credit 5**

This course is an introduction to calculus with analytical geometry. Topics to 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

Course Descriptions

MATH 2205

CALCULUS II

Credit 5

Topics to 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

Credit 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

Credit 4

Topics include linear equations and matrices, vector spaces, linear transformations, determinants, orthogonality, eigenvalues, and eigenvectors.

Prerequisites: MATH 2205 (C or better) or Instructor Permission

MATH 2310

APPLIED DIFFERENTIAL EQUATIONS

Credit 3

Topics include methods of solutions of ordinary differential equations with emphasis on applications. Transforms and applications are also included.

Prerequisite: MATH 2205 (C or better)

MATH 2350

BUSINESS CALCULUS I

Credit 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.

Prerequisites: MATH 1400 (C or better) or equivalent, or Math ACT of 26 or higher

MATH 2355

BUSINESS CALCULUS II

Credit 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)

MEDICAL OFFICE ASSISTANT

MOA 1500

MEDICAL OFFICE PROCEDURES

Credit 3

This course emphasizes medical office procedures including office communication, medical law and ethics, front office software, appointment scheduling, patient reception and registration, medical records, medical billing, health insurance, business operations, human resource functions, and financial management. Students will also gain knowledge in locating and obtaining a position in a medical office.

Prerequisite: None

MINING TECHNOLOGY

MINE 1500

INTRO. TO MINING

Credit 3

This course introduces the student or prospective underground and surface miner to general orientation to mining, safety, miner 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.

Prerequisite: None

MINE 1600

UNDERGROUND MINE FOREMAN EXAM REVIEW

Credit 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 this course. Successful completion of this course should prepare the student for the state exam, but does not guarantee state certification as a mine foreman.

Note: Three years of mining experience are required to take the Wyoming Mine Foreman Exam.

Prerequisite: None

MINE 1850

MSHA SURFACE NEW MINER

Credit 1.5

This course provides 24 hours of mandatory Mine Safety and Health Administration training for surface mine workers. Onsite training must be completed at an actual mine site.

Prerequisite: None

MINE 1855

MSHA SURFACE ANNUAL REFRESHER

Credit .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. Approved for S/U grading.

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

Credit 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.

Prerequisite: None

MINE 1875

MSHA UNDERGROUND ANNUAL REFRESHER

Credit .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. Approved for S/U grading.

Prerequisite: Non-expired 5000-23, past proof of 5000-23, or signed agreement with employer as an experienced miner.

MUSIC

MUSC 0200

CONVOCAATION

Credit 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.

Prerequisite: Music majors must be enrolled concurrently in applied lessons

MUSC 1000

INTRODUCTION TO MUSIC

Credit 3

This course is planned for the student who has little or no background or training in music, to understand and enjoy the music of our culture through a programmed presentation of the materials of the music and through a carefully introduced plan for perceptive listening.

Prerequisite: None

MUSC 1010

MUSIC FUNDAMENTALS

Credit 1-3

This course is designed primarily for the student who is interested in learning more about the elements of music. Depending on the number of credit hours this course acquaints the student with basic music theory that may include any of the following: an introduction to notation, scales, keys, modes, intervals, and chords.

Prerequisite: None

MUSC 1030, 1040

WRITTEN THEORY I & II

Credit 3

Designed for the student interested in pursuing a major in music, this course uses an integrated approach toward the fundamentals of music and of written harmony.

Corequisite: MUSC 1035 and 1290

MUSC 1035, 1045

AURAL THEORY I & II

Credit 1

The study of sight singing, ear training, keyboard harmony and diatonic harmony.

Corequisite: MUSC 1030, 1040

MUSC 1150

GUITAR I

Credit 1

A study of basic fundamentals and application of guitar technique.

Prerequisite: None

MUSC 1290, 1291

CLASS PIANO I & II

Credit 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 for MUSC 1291

MUSC 1295, 1296**CLASS PIANO III & IV****Credit 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 undergraduate theory study. Students work in piano lab two hours per week with the instructor for a total of 30 contact hours per week.

Prerequisite: MUSC 1291

Concurrent: MUSC 2030, 2040

MUSC 1375**SYMPHONIC BAND****Credit 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 by Instructor

MUSC 1390**JAZZ ENSEMBLE I****Credit 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****Credit 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: None

MUSC 1436**COMPUTERIZED AUDIO PRODUCTION I: MIDI****Credit 2**

This course explores the range of MIDI capable equipment including keyboards, sequencers, sound modules, and computers and associated production techniques for music composition, performance, and recording. In this introductory course, students will learn to configure and use MIDI hardware and software application. Hands-on experiences include producing MIDI and digital audio.

Prerequisite: None

MUSC 1437**COMPUTERIZED AUDIO PRODUCTION II: MIDI****Credit 2**

This course explores the range of MIDI capable equipment including keyboards, sequencers, sound modules, and computers and associated production techniques for music composition, performance, and recording. Students will learn to configure and use MIDI hardware and software application. Hands-on experiences include producing MIDI and digital audio.

Prerequisite: MUSC 1436 or Instructor Permission

Course Descriptions

MUSC 1450

VOCAL ENSEMBLE

Credit 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 and meets at least three hours per week.

Prerequisite: Instructor Permission

MUSC 1485

INSTRUMENTAL ENSEMBLE

Credit .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.

May be taken four times for credit.

Prerequisites: Instructor Permission

MUSC 1490

PIANO ENSEMBLE

Credit 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. This class may be taken four times for credit.

Prerequisite: Intermediate or Advanced Piano Student

MUSC 2015

INTRO. TO MUSIC OF THE WORLD

Credit 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 world.

Prerequisite: MUSC 1000 or instructor permission

MUSC 2030, 2040

WRITTEN THEORY III & IV

Credit 3

A continuation of MUSC 1040 with added work in harmonic analysis and with some consideration of contrapuntal techniques.

Prerequisite: MUSC 1040

MUSC 2035, 2045

AURAL THEORY III & IV

Credit 1

A continuation of MUSC 1045 incorporating instruction in harmonic analysis and contrapuntal techniques.

Prerequisite: MUSC 1045

MUSC 2050, 2055

MUSIC HISTORY SURVEY I & II

Credit 3

This course is designed as a survey of the history and literature of music in western civilization from ancient times to the recent and relates epochs in music to corresponding periods in other arts.

Prerequisite: None

MUSC 2071-2078

APPLIED MUSIC: Vocal & Instrumental

Credit 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: Prior arrangements with instructor

MUSC 2150**GUITAR II****Credit 1**

This course provides instruction in more advanced guitar techniques.

Prerequisite: MUSC 1150 or Instructor Permission

MUSC 2330**GUITAR III****Credit 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****Credit 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****Credit 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: None

MUSC 2415**RECORDING ARTS I****Credit 2**

First in the sequence of two recording arts courses, Recording Arts I is an introduction to the physics of sound, sound recording, and sound reproduction. The concepts will be applied hands-on in a laboratory setting. Also included are basic production management procedures associated with record album production. Specifics include organizational factors in preliminary studio production planning, communication factors between producers, studio musicians, and recording engineers.

Prerequisite: None

MUSC 2420**SOUND REINFORCEMENT II****Credit 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

Course Descriptions

MUSC 2425

RECORDING ARTS II

Credit 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

MUSC 2500

MUSIC PORTFOLIO

Credit 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. **This course does not fulfill the WWCC Assessment requirement for graduation.**

Prerequisite: Must have completed 45 credit hours towards graduation.

NURSING

NRST 1510

NURSE ASSISTANT

Credit 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 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, and MMR (Measles, Mumps, Rubella) Immunizations.

NRST 1555

PN NURSING I

Credit 9

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 into the Practical Nursing Program

NRST 1565

PN NURSING II

Credit 9

PN Nursing II students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing II students consistently apply the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive assistance from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.

Prerequisite: NRST 1555

NRST 1575**PN NURSING III****Credit 6**

PN Nursing III students focus on providing safe, effective nursing care to clients with common predictable health problems. PN Nursing III students competently use the six goals of the nursing program and begin to apply each goal to maximize health potential. The six goals are divided into the art and science of nursing. The goals addressing the art are: Communicate Competently, See Issues From Multiple Perspectives, and Develop Life Skills. The goals addressing the science are: Solve Problems, Retrieve Information, and Apply Therapeutic Nursing Interventions. Clinically, students receive supervision from nursing faculty. Nursing theory as well as laboratory and clinical experiences provide the opportunity to apply the goals, with emphasis on the role and scope of practice of the practical nurse.

Prerequisite: NRST 1565

NRST 1605**INTRODUCTION TO NURSING****Credit 1**

This course is designed to aid students as they transition into the nursing program. This course will introduce them to Problem Based Learning and critical thinking skills needed for application level testing.

Prerequisite: Admission to the WWCC Nursing Program

NRST 1610**NURSING I****Credit 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 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.

Prerequisite: Admission to the Nursing program

NRST 1620**NURSING II****Credit 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 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.

Prerequisite: NRST 1610

NRST 1985**PRACTICAL NURSING ROLES****Credit 1**

The PN Spin-Off course prepares students to take the PN licensure exam and practice as licensed practical nurses. The PN Spin-Off course introduces students to the theory of practical nursing to enable them to provide safe, effective nursing care to clients with common, predictable problems to maximize health potential. Content is organized around the goals of the Nursing program.

Prerequisite: NRST 1610 and NRST 1620

Course Descriptions

NRST 2460

ADVANCED FIELD WORK EXPERIENCE

Credit 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 experiences with preceptors.

Course may be taken twice for credit.

Corequisite: NRST 2630 or NRST 2640

NRST 2630

NURSING III

Credit 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 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.

Prerequisite: NRST 1610 and NRST 1620 or Admission to Nursing Program as advanced placement

NRST 2640

NURSING IV

Credit 9

Nursing IV students focus on providing safe, effective nursing care to clients with complex health problems. Nursing IV students competently 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 Perspectives, 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.

Prerequisite: NRST 2630

OIL & GAS PRODUCTION TECHNOLOGY

OGPT 1501

WELL CAP DRILLING

Credit 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 approved for S/U grading.

Prerequisite: None

OGPT 1502**BASIC SEPARATOR & DEHYDRATION TECHNOLOGY****Credit 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.

Prerequisite: None

OGPT 1510**OIL & GAS PRODUCTION I****Credit 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.

Prerequisite: None

OGPT 1515**OIL & GAS PUMP TECHNOLOGY****Credit 3**

This course is designed to cover the artificial lift created by positive displacement pumps and centrifugal pumps used in the recovery of oil and gas. The type of pumps covered will include beam, screw, and piston, check ball, and end suction centrifugal pumps.

Prerequisite: None

OGPT 1520**OIL & GAS PRODUCTION II****Credit 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****Credit 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****Credit 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: OGPT 1530

OUTDOOR EDUCATION ACTIVITY

OEAC 1300

DRIFT BOAT FISHING

Credit 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.

Prerequisite: None

PHILOSOPHY

PHIL 1000

INTRODUCTION TO PHILOSOPHY

Credit 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.

Prerequisite: None

PHIL 2300

ETHICS

Credit 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.

Prerequisite: None

PHIL 2310

PHILOSOPHY OF RELIGION

Credit 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 good and evil.

Prerequisite: PHIL 1000

PHIL 2315

COMPARATIVE RELIGIONS

Credit 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.

Prerequisite: None

PHLEBOTOMY

PHLB 1800

PRINCIPLES OF PHLEBOTOMY

Credit 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.

Corequisite: PHLB 1970

PHLB 1970

PHLEBOTOMY PRACTICUM

Credit 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

PHYSICAL EDUCATION 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 1480, 2480	Jazz Dance I & II
THEA 1310	Core Conditioning	THEA 1500-1505	Dance Performance
THEA 1410, 1420	Ballet I	THEA 2410, 2420	Ballet II
THEA 1430, 1440	Modern Dance I	THEA 2430, 2440	Modern Dance II
THEA 1450	Tap Dance	THEA 2450	Tap Dance II

PEAC 1011

AQUATIC CONDITIONING

Credit 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, handpaddles, and swim fins and how to get the most benefit from using them. Personal and small craft safety will be covered briefly. Major emphasis is on conditioning. Major muscle groups and theories of movement in the water are discussed and practiced in class sessions.

Prerequisite: None

Course Descriptions

PEAC 1015 (20-163)

BEGINNING SKIN & SCUBA

Credit 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

Credit 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.

Prerequisites: Demonstrated swim skills

PEAC 1022

INTERMEDIATE KAYAKING

Credit 1

This course offers intermediate kayaking skills. The emphasis will be placed on safety, equipment, paddling techniques and conditioning. There will be pool sessions as well as river trips.

Prerequisites: Demonstrated swim skills

PEAC 1029

CORE BOARD TRAINING I

Credit 1

This course uses the Reebok Core Board to train the core muscles of the body, the transverse abdominals 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 learn to strengthen their core muscles and improve their posture while using proper body alignment and body mechanics to perform the conditioning exercises. This course is appropriate for men and women of all ages and fitness levels. Three levels of difficulty will be demonstrated. Students MUST work at the level at which they are most comfortable.

Prerequisite: None

PEAC 1038

STEP AEROBICS I

Credit 1

This course 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.

Prerequisite: None

PEAC 1039

STEP AEROBICS II

Credit 1

This course 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****Credit 1**

This course serves as an introductory class allowing the student to experience proper warm ups, stretching and conditioning before engaging in various ranges 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.

Prerequisite: None

PEAC 1043**BEGINNING KARATE****Credit 1**

An activity course designed to improve physical fitness and to acquaint students to the theory of martial arts.

Prerequisite: None

PEAC 1050**BEGINNING TENNIS****Credit 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.

Prerequisite: None

PEAC 1120**INTRODUCTION TO FREE WEIGHT TRAINING****Credit 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.

Prerequisite: None

PEAC 1125**BOSU****Credit 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 the proper exercise techniques, as well as the application of the general fitness principles. Progressive conditioning techniques will be used to develop muscle tone and strength, balance, and stability.

Prerequisite: None

PEAC 1130**STABILITY BALL****Credit 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 the applying general fitness principles. Progressive conditioning techniques will be used to develop muscle tone and strength, balance, and stability.

Prerequisite: None

PEAC 1253**BEGINNING BOWLING****Credit 1**

Introduction to the basic skills of bowling which include stance, approach, types of deliveries, bowling terminology, scoring, tournament play and acceptable bowling etiquette.

Prerequisite: None

Course Descriptions

PEAC 1254**SNOWBOARD RIDING I****Credit 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 course 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.

Prerequisite: None

PEAC 1255**BEGINNING GOLF****Credit 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.

Prerequisite: None

PEAC 1258**DOWNHILL SKIING I****Credit 1**

Downhill skiing with emphasis on fitness, equipment and safety. This course will have classroom and activity portions. All of the hill activity will be supervised by certified instructors. Special fee includes lift tickets, instruction, lodging and transportation. Student must provide own equipment.

Prerequisite: None

PEAC 1259**CROSS COUNTRY SKIING****Credit 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.

Prerequisite: None

PEAC 1260**BEGINNING VOLLEYBALL****Credit 1**

Introduction fundamentals of volleyball to include rules, serving, spiking, setting, blocking and game strategy.

Prerequisite: None

PEAC 1264**BEGINNING SOFTBALL****Credit 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.

Prerequisite: None

PEAC 1273**WEIGHT TRAINING AND CONDITIONING****Credit 1**

This course is designed for individuals with no prior weight training experience. Students learn proper technique for basic weight lifting exercises. Evaluations of individual fitness levels and knowledge of weight training principles are integral components of the course. A predetermined 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.

Prerequisite: None

PEAC 1280**FLY FISHING I****Credit 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.

Prerequisite: None

PEAC 1287**ROCK CLIMBING I****Credit 1**

This course introduces the student to the necessary, equipment, safety and skills to be able to rock climb. 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. Two overnight trips will provide students with opportunities to use and practice the knowledge and skills they acquire.

Prerequisite: None

PEAC 1290**PHYSICAL CONDITIONING:****Credit 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.

Prerequisite: None

PEAC 1294**BEGINNING YOGA****Credit 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.

Prerequisite: None

PEAC 1295**BEGINNING BACKPACKING****Credit 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.

Prerequisite: None

PEAC 1296**DESERT LIVING SKILLS****Credit 1**

This course provides an introduction to the special nature of traveling, camping and surviving in the deserts of the world. The desert is a harsh and unforgiving environment and the student will be introduced to the mental, physical and material "tools" needed to deal successfully with that environment.

Prerequisite: None

PEAC 1297**WHITEWATER RAFTING****Credit 1**

This is an 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.

Prerequisite: None

PEAC 1298**SNOWSHOEING****Credit 1**

Introduction to snowshoeing 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. Three Saturday field trips, transportation provided.

Prerequisite: None

PEAC 1308**HIKE & FISH****Credit 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.

Prerequisite: None

PEAC 1309**HIKE-CAMP-FISH****Credit 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 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, three days/ two nights in the local mountains.

Prerequisite: None

PEAC 1320**BIG GAME ANIMAL HABITAT SKILLS****Credit 1**

This course will provide students with the knowledge and skills to find and identify Wyoming's big game animals. Primary emphasis will be placed on rocky mountain elk, mule deer, antelope and moose. Students will also be introduced to the necessary hunting equipment required to pursue these animals, as well as the physical conditioning needed to safely hunt in high altitude rugged terrain. Emphasis will also be placed on the role of hunters in the management of big game and current conservation issues facing big game herds in Wyoming.

Prerequisite: None

PEAC 1340**MOUNTAIN BIKING****Credit 1**

This course introduces students to the fundamentals of mountain biking. It includes bike selection, fit, basic maintenance, and riding techniques.

Prerequisite: None

PEAC 1387**INDOOR ROCK CLIMBING****Credit 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.

Prerequisite: None

PEAC 1600**SNOW & ICE CLIMBING I****Credit 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. The 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.

Prerequisite: None

PEAC 2005**PERSONALIZED FITNESS I****Credit 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.

Prerequisite: None

PEAC 2006**PERSONALIZED FITNESS II****Credit 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****Credit 1**

This course is for students who want to continue with their underwater education. 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****Credit 1**

This course is designed for the advanced swimmer. Students will learn instructor skills for teaching the progressive more difficult swimming courses. Students will learn all of the skills for each course and how to properly teach that skill with safety in mind.

Prerequisite: PEAC 2018, or must be a lifeguard, or Instructor permission

Course Descriptions

PEAC 2018**LIFEGUARD TRAINING****Credit 1**

Lifeguard Training is designed for the more advanced swimmer and concentrates on lifeguard training skills and the knowledge required to become a lifeguard at a swimming pool and at non-surf beach areas. CPR for the Professional Rescuer and First Aid are included in the course.

Prerequisite: None

PEAC 2025**WILDERNESS NAVIGATION****Credit 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.

Prerequisite: None

PEAC 2029**CORE BOARD TRAINING II****Credit 1**

This course is more advanced than Core Board Training I and requires a higher fitness level and knowledge base. It is not intended for the beginning exerciser. This course uses the Reebok Core Board, stability balls, medicine balls, resistance tubing, stretch straps, foam rolls, and stretch bands to facilitate a higher level of training of the core muscles of the body. This course provides a total body workout and includes exercises that increase strength, flexibility, stability, balance, and cardio endurance. This class allows students to further strengthen their core muscles and improve their posture while using proper body alignment and body mechanics to perform the core conditioning exercises.

Prerequisite: PEAC 1029, PEAC 1290, or Instructor Permission

PEAC 2072**ADVANCED VOLLEYBALL****Credit 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.

Prerequisite: None

PEAC 2088**ROCK CLIMBING II****Credit 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. 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****Credit 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. Prerequisite: PEAC 1280 or Instructor Permission

PEAC 2294**INTERMEDIATE YOGA****Credit 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

VARSITY ATHLETICS**PEAT 1010****CHEERLEADING****Credit 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. This course may be taken four times for credit.

Prerequisite: Instructor Permission

PEAT 1040**VARSITY SOCCER (WOMEN)****Credit 1**

This course is designed for members of the Western Wyoming Community College Women's Soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, the student must be a member of the WWCC Women's Soccer Program. The athletes participation must be approved by the coach. This course may be taken four times for credit.

Prerequisite: Instructor Permission

PEAT 1050**VARSITY BASKETBALL (MEN)****Credit 1**

To develop an intercollegiate team to represent Western Wyoming Community College in the National Junior College Athletic Association Region IX and the Empire Conference. This course may be taken four times for credit.

Prerequisite: Instructor Permission

PEAT 1060**VARSITY BASKETBALL (WOMEN)****Credit 1**

Designed to develop a Women's NJCAA Team to represent Western Wyoming College in Region IX and the Empire Conference. This course may be taken four times for credit.

Prerequisite: Instructor Permission

Course Descriptions

PEAT 1070

VARSITY WRESTLING

Credit 1

Participants in varsity wrestling will learn the fundamentals of college wrestling to include rules, strategy, conditioning, holds, moves, escapes, mental discipline, sportsmanship, and maintaining eligibility. This course may be taken four times for credit.

Prerequisite: Instructor Permission

PEAT 1080

VARSITY VOLLEYBALL

Credit 1

This course is designed for members of the Western Wyoming Community College Region IX intercollegiate volleyball team. To enroll in this course students must be a member of the Western Wyoming Community College Volleyball program. The course focuses on advanced skill development with emphasis on team progressions in volleyball. This course may be taken four times for credit.

Prerequisite: Instructor Permission

PEAT 2071

VARSITY SOCCER (MEN)

Credit 1

This course is designed for members of the Western Wyoming Community College Men's Soccer team, which focuses on advanced skill development with emphasis on team progressions in soccer. To enroll in this course, the student must be a member of the Western Wyoming Community College Men's Soccer Program. The athletes participation must be approved by the Coach. This course may be taken four times for credit.

Prerequisite: Instructor Permission

PHYSICAL ED, PROFESSIONAL & EXERCISE SCIENCE

PEPR 1120

TEACHING FREE WEIGHT TRAINING

Credit 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

PEPR 2037

INTRODUCTION TO SPORTS PSYCHOLOGY

Credit 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.

Prerequisite: None

PEPR 2120**INTRO TO EXERCISE PHYSIOLOGY****Credit 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 effect performance.

Prerequisite: BIOL 2015

PEPR 2130**FITNESS LEADERSHIP TRAINING I****Credit 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.

Prerequisite: None, completion of BIOL 2015 would be beneficial

PEPR 2140**PERSONAL TRAINER CERTIFICATION REVIEW****Credit 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).

Prerequisite: None

PEPR 2230**FITNESS LEADERSHIP TRAINING II****Credit 3**

This course is a continuation of the Fitness Leadership Training I course. The purpose of the course is to further explore the topics related to the responsibilities and work activities that are necessary for becoming a fitness leader or personal trainer. In addition to expanding on the topics addressed in the Fitness Leadership I course, major topics presented in this course include basic functional anatomy and biomechanics, basic exercise physiology, and program design and periodization. It is a practical course that stresses application of anatomical and physiological concepts related to exercise. This course will be helpful for the student preparing to take a national personal trainer certification exam.

Prerequisite: PEPR 2130

PEPR 2470**BEGINNING EXERCISE SCIENCE INTERNSHIP****Credit Variable**

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 or Corequisite: PEPR 2130

PEPR 2471**ADVANCED EXERCISE SCIENCE INTERNSHIP****Credit Variable**

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

PHYSICS

PHYS 1050

CONCEPTS OF PHYSICS

Credit 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 Lab required

PHYS 1110

GENERAL PHYSICS I

Credit 4

This course is the first of a two-semester non-calculus based physics sequence. It is primarily for majors in biology, pre-medicine 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 or PHYS 1310

Prerequisite: MATH 1405 or equivalent

Corequisite Lab required

PHYS 1120

GENERAL PHYSICS II

Credit 4

This course is the second of a two-semester non-calculus based physics sequence. Topics include electricity, magnetism, optics and modern physics. Laboratory sessions illustrate the principles studied. Students receiving credit for PHYS 1120 cannot receive credit for PHYS 1050 or PHYS 1320.

Prerequisite: PHYS 1110

Corequisite Lab required

PHYS 1310

COLLEGE PHYSICS I

Credit 4

This course is the first of a two-semester calculus based physics sequence. It is primarily for majors in physics, engineering and other majors that require calculus-based physics. The course 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 or PHYS 1110.

Prerequisite: MATH 2200 and concurrent enrollment in MATH 2205 or equivalent

Corequisite Lab required

PHYS 1320

COLLEGE PHYSICS II

Credit 4

This course is the second of a two-semester calculus based physics sequence. 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 or PHYS 1120.

Prerequisite: PHYS 1310 and MATH 2205, or equivalent

Corequisite Lab required

POLITICAL SCIENCE

POLS 1000

AMERICAN & WYOMING GOVERNMENT

Credit 3

This course provides a basic introduction to government and politics in the United States. Successful completion of this course will satisfy the Wyoming state requirement for instruction in the laws and government of Wyoming and the United States. The course is a survey of national, state, and local government. Topics will include U.S. and state constitutions, democratic theory, federalism, political culture, political socialization, public opinion, political participation, electoral behavior, political parties and interest groups, press, and local government. The course also looks at institutional elements of the American political system: legislature, executive, judiciary, and bureaucracy. Also offered is a critical examination of the rights, duties, responsibilities, and accountability expected of citizens and elected officials within a democracy.

Prerequisite: Compass Reading score of 71 or higher, or ACT Reading score of 20 or higher, or HMDV 1000 (C or Better)

POLS 1200

NON-WESTERN POLITICAL CULTURES

Credit 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.

Prerequisites: None

POLS 2000

CURRENT ISSUES IN AMERICAN GOVERNMENT

Credit 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.

Prerequisite: None

POLS 2128

TERRORISM

Credit 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.

Prerequisite: None

POLS 2310

INTRO TO INTERNATIONAL RELATIONS

Credit 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.

Prerequisite: None

POLS 2470, 2471**GOVERNMENT INTERNSHIP I & II****Credit Variable**

The objective of this course is to integrate practical political experience with academic knowledge. The student is expected to participate in specifically assigned duties and to observe the broader activities of his sponsoring organization. Internship credit can be earned for work in a U.S. Senator's or U.S. Congressman's office or for work with a Wyoming legislator in Cheyenne during the legislative session. A student can earn no more than 4 credits. (Must register by mid-semester to get credit.)

Prerequisite: Instructor Permission

PSYCHOLOGY**PSYC 1000****GENERAL PSYCHOLOGY****Credit 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 be able to understand the difference between subjective and objective evidence; points of views other than their own; and how to apply theory in their personal lives.

Prerequisite: None

PSYC 1060**ETHICS & DIVERSITY****Credit 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.

Prerequisite: PSYC 1000

PSYC 1300**DOMESTIC VIOLENCE/SEXUAL ASSAULT****Credit 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.

Prerequisite: None

PSYC 2000**RESEARCH PSYCHOLOGY METHODS****Credit 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****Credit 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****Credit 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. This course fulfills WWCC Lab Science requirement. Crosslists with BIOL 2080

Prerequisites: 4 hours of BIOL and PSYC

PSYC 2210**DRUGS AND BEHAVIOR****Credit 3**

This course surveys drugs which affect behavior, emphasizing drugs with abuse potential. Includes a 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 drug.

Prerequisite: None

PSYC 2300**DEVELOPMENTAL PSYCHOLOGY****Credit 3**

This course is an overview of growth and development from conception through adolescence. Psychological development includes the physical, cognitive and social changes that humans experience at various stages. Students will learn the various theories and produce a project that demonstrates some aspect of development.

Prerequisite: PSYC 1000

PSYC 2330**PSYCHOLOGY OF ADJUSTMENT****Credit 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.

Prerequisites: PSYC 1000, HLED 1003 or Instructor Permission

PSYC 2340**ABNORMAL PSYCHOLOGY****Credit 3**

New Description

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****Credit 3**

This course 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.

Prerequisites: PSYC 1000 or SOC 1000

PSYC 2470**PSYCHOLOGY INTERNSHIP I****Credit Variable**

The Psychology Internship Program provides the opportunity to obtain practical work experience in the clinical field of psychology. Some programs allow for direct interaction between students and clients, while others of a more confidential nature involve observation only. Once a student has completed the observational period, they may graduate to increased involvement in that program. A student can earn no more than four credits and must register by mid-semester. Prerequisite: Instructor Permission

PSYC 2485**PSYCHOLOGY SEMINAR:****Credit 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. Prerequisite: None

SAFETY TECHNOLOGY**SAFE 1501****HEALTH, SAFETY & ENVIRONMENTAL SYSTEMS MANAGEMENT****Credit 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. Prerequisite: None

SAFE 1502**FUNDAMENTALS OF INDUSTRIAL HYGIENE****Credit 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: None

SAFE 1541**ENERGY WORKER SAFETY TRAINING****Credit 1.5**

This course provides an introduction to various workplace health and safety issues. It is designed primarily for the energy services industry. Topics include OSHA General Industry – 10 hr training topics including workers' rights, Environmental Safety Training and National Safety Council First Aid/ CPR including medical records and Bloodborne Pathogens training and Hydrogen Sulfide Safety. Successful students will receive an OSHA GI – 10 hr card, NSC First Aid CPR certification and H2S certification cards. This course is approved for S/U grading. Prerequisite: None

SAFE 1542**ENERGY SERVICES SAFETY ORIENTATION****Credit 2**

This course provides an introduction to various workplace health and safety issues. It is designed primarily for the energy services industry. Topics include OSHA General Industry – 10 hr training topics including workers' rights, Environmental Safety Training, PEC Safeland Basic Orientation, National Safety Council First Aid/ CPR including medical records and Bloodborne Pathogens training, Forklift Training and Hydrogen Sulfide Safety. Successful students will receive an OSHA GI – 10 hr card, PEC Basic Orientation Card, NSC First Aid CPR certification, Forklift training and H2S certification cards. This course is approved for S/U grading.

Prerequisite: None

SAFE 1543**CONTRACTOR EXPECTATIONS SAFETY ORIENTATION****Credit .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.

Prerequisites: None

SAFE 1544**HAZARDOUS WASTE OPERATIONS & EMERGENCY RESPONSE (HAZWOPER)****Credit 2.5**

This 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 approved for S/U grading.

Prerequisite: None

SAFE 1545**SAFETY & RIGGING FOR INDUSTRY****Credit 2.5**

Safety & Rigging for 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 a 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****Credit .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 will be included on as outlined below in major units of study and any additional needs of company groups. This course is approved for S/U grading.

Prerequisite: None

Course Descriptions

SAFE 1552

CONSTRUCTION INDUSTRY SAFETY I

Credit .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 will be included on as outlined below in major units of study and any additional needs of company groups. This course is approved for S/U grading.

Prerequisite: None

SAFE 1553

GENERAL INDUSTRY SAFETY II

Credit 2

This 30-hour program is intended to provide a variety of training on General Industry Safety and Health to entry level workers. Hazard identification, avoidance, control and prevention, along with presentation of applicable OSHA standards are covered. Mandatory topics include such things as OSH Act, General Duty Clause 5 (a)(1), Inspections, Citations, and Penalties (CFR Part 1903), Walking and Working Surfaces (Subpart D), Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection (Subparts E & L), and Electrical, Subpart S.

In addition, other topics will be included on as outlined below in major units of study and any additional needs of company groups. This course is approved for S/U grading.

Prerequisite: None

SAFE 1554

CONSTRUCTION INDUSTRY SAFETY II

Credit 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 will be included on as outlined below in major units of study and any additional needs of company groups. This course is approved for S/U grading.

Prerequisite: None

SAFE 1560

PETROLEUM EDUCATION COUNCIL (PEC)

Credit 3

PREMIER CORE COMPLIANCE ORIENTATION

The PEC Core Compliance program brings together the health, safety and environmental training certifications, OSHA, and Minerals Management Services (MMS), most requested by oilfield operators and other host employers. 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.

Prerequisite: None

SAFE 1561**PETROLEUM EDUCATION COUNCIL (PEC) PREMIER BASIC ORIENTATION** **Credit .5**

This course is an orientation of basic safety policies and procedures, which many oil and gas operators/producers require in order to work on a well site. Using the *PEC Premier Basic Orientation 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.

Prerequisite: None

SAFE 1563**CONTRACTOR SAFETY & ETHICS ACCOUNTABILITY** **Credit .5**

This course emphasizes personal responsibility and accountability to various workplace health and safety issues in the energy services industry. The goal of the course is to inform the participant of OSHA standards and how they apply to job responsibilities, integrate information and make students aware of the importance of ethical behavior in developing safe work habits. Topics include Contractor Expectations and Environmental Health and Safety commitment, Personal Protective Equipment, Hearing Conservation, Fall Protection, Walking and Working Surfaces, Ladders, Electrical, Lockout/Tag Out, Confined space, Hot Work/Welding, Hazard Communication, Hydrogen Sulfide, Safe Driving, Environmental, and Fire Prevention. Such things as integrity, responsibility, honesty, accountability, courtesy, and respect will be emphasized.

Prerequisite: None

SAFE 1580**VISUAL EMISSIONS OPACITY EVALUATION** **Credit .5**

This course (commonly referred to as Smoke School) provides necessary coursework and testing for a successful student to be awarded Trained Observer Certification in compliance with Environmental Protection Agency (EPA) Method 9. The course will have classroom and field visual opacity evaluation components. This course is approved for S/U grading.

Prerequisite: None

SOCIOLOGY**SOC 1000****SOCIOLOGICAL PRINCIPLES** **Credit 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.

Prerequisite: None

SOC 1080 (Cross reference to UW WMST 1080)**INTRO TO WOMEN'S STUDIES** **Credit 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.

Prerequisite: None

Course Descriptions

SOC 1100

SOCIAL PROBLEMS

Credit 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.

Prerequisite: None

SOC 2000

INTRO TO SOCIAL WORK

Credit 3 or 4*

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.

Prerequisites: None

SOC 2200

SOCIOLOGY OF HUMAN SEXUALITY

Credit 3

This is an interdisciplinary course designed to acquaint the student with major factors affecting human sexuality. Relevant research in biology, psychology, sociology and anthropology as well as religious and historical perspectives will be discussed. Primary focus is on American society.

Prerequisite: PSYC 1000 or SOC 1000

SOC 2325

MARRIAGE & THE FAMILY

Credit 3

This course is designed to examine some important aspects of courtship, marriage, and family life. Contemporary premarital and dating problems and adjustment, marital and domestic problems, family planning, the changing society will be among the topics considered.

Prerequisite: None

SOC 2350

RACE & ETHNIC RELATIONS

Credit 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.

Prerequisite: None

SOC 2470

INTERNSHIP: SOCIOLOGY

Credit 1-4

The Sociology Internship Program provides the opportunity to obtain practical work experience in the clinical field of sociology. 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

SPANISH

SPAN 1010

FIRST YEAR SPANISH I

Credit 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.

Prerequisite: None

SPAN 1020

FIRST YEAR SPANISH II

Credit 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

Credit 2

This beginning level course offers the fundamentals of basic conversation in Spanish.

Prerequisite: None

SPAN 1060

CONVERSATIONAL SPANISH II

Credit 2

This course continues to develop and enhance basic conversation in Spanish.

Prerequisite: SPAN 1050, or SPAN 1010, or instructor permission.

SPAN 1070

SPANISH FOR HEALTH CARE PERSONNEL

Credit 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 student will also learn about cultural differences, which need to be considered when communicating with someone from a different country.

Prerequisite: None

SPAN 1075

SPANISH FOR TRAVELERS

Credit 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.

Prerequisite: None

SPAN 1080

SPANISH FOR LAW ENFORCEMENT

Credit 3

This course is designed specifically for law enforcement personnel with the overall goal of adequate comprehensive communication in Spanish. This course will focus primarily on verbal communication in forms of commands, questions and dialogue in work-related settings. Certain aspects of Hispanic culture will also be studied for a better understanding of the culture and language.

Prerequisite: None

SPAN 2030**SECOND YEAR SPANISH I****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.

Prerequisites: SPAN 1020 or successful completion of three years of high school Spanish or the equivalent.

SPAN 2040**SECOND YEAR SPANISH II****Credit 4**

This course includes grammar review and study, composition, conversation and reading of short stories, dramas and poems.

Prerequisites: SPAN 2030 or successful completion of four years of high school Spanish or the equivalent.

STATISTICS**STAT 2010****BUSINESS STATISTICS****Credit 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 may not be earned for more than one of the following: STAT 2010, 2050 or 2070.

Prerequisites: MATH 1000 or higher, or Placement into MATH 2200 via the COMPASS or ACT scores.

STAT 2050**FUNDAMENTALS OF STATISTICS****Credit 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 may not be earned for more than one of the following: STAT 2010, 2050 or 2070.

Prerequisites: MATH 1000 or higher, or Placement into MATH 2200 via the COMPASS or ACT scores.

STAT 2070**STATISTICS FOR SOCIAL SCIENCE****Credit 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

Prerequisites: MATH 1000 or higher, or Placement into MATH 2200 via the COMPASS or ACT scores.

TECHNOLOGY**TECH 1000****INTRODUCTION TO TECHNICAL MATHEMATICS****Credit 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: Pre Algebra COMPASS score of 32

TECH 1550**GENERAL METALLURGY****Credit 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.

Prerequisite: None

TECH 1600**INDUSTRIAL SAFETY****Credit 3**

This course will investigate several areas of occupational safety and industrial hygienes: Personal Safety including basic protection, safety hazards, safety equipment, lifting and good housekeeping; Fire Safety in 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.

Prerequisite: None

TECH 1680**READING TECHNICAL SCHEMATICS****Credit 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.

Prerequisite: None

TECH 1681**READING TECHNICAL SCHEMATICS, FOR INDUSTRY****Credit 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.

Prerequisite: None

THEATRE AND DANCE

The following theatre and dance courses may be taken to fulfill the Health & Human Activity graduation requirement.

THEA 1300	Social Dance	THEA 1480, 2480	Jazz Dance I & II
THEA 1310	Core Conditioning	THEA 1500-1505	Dance Performance
THEA 1410, 1420	Ballet I	THEA 2410, 2420	Ballet II
THEA 1430, 1440	Modern Dance I	THEA 2430, 2440	Modern Dance II
THEA 1450	Tap Dance	THEA 2450	Tap Dance II

THEA 1000**INTRO. TO THEATRE****Credit 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.

Prerequisite: None

THEA 1025**THEATRE ETHICS****Credit 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.

Prerequisite: None

THEA 1030**WRITTEN THEORY I FOR MUSICAL THEATRE MAJORS****Credit 3**

This course is designed for the student interested in pursuing a major in Musical Theatre. It uses an integrated approach toward the fundamentals of music and written harmony. Students cannot get graduation credit in both THEA 1030 and MUSC 1030.

Prerequisite: None

Corequisite: THEA 1035

THEA 1035**AURAL THEORY I FOR MUSICAL THEATRE MAJORS****Credit 1**

This course is designed for the student interested in pursuing a major in Musical Theatre. It uses an integrated approach of melodic, harmonic, and rhythmic exercises to teach the fundamentals of melody and harmony.

Students cannot get graduation credit in both THEA 1035 and MUSC 1035.

Prerequisite: None

Corequisite: THEA 1030

THEA 1100**BEGINNING ACTING I****Credit 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.

Prerequisite: None

THEA 1110**ACTING FOR MUSICAL THEATRE****Credit 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 & LITERATURE****Credit 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.

Prerequisite: None

THEA 1200**INTRODUCTION TO STAGE DESIGN****Credit 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.

Prerequisite: None

THEA 1300**SOCIAL DANCE****Credit 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.

Prerequisite: None

THEA 1310**CORE CONDITIONING FOR WHOLE BODY CONNECTIVITY****Credit 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.

Prerequisite: None

THEA 1373 (MUSC 1373)**SINGING FOR THE ACTOR I****Credit 1**

This course is the first in a two part series and will focus on relaxation, alignment, breath, and placement of resonance. 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.

Prerequisite: None

THEA 1374 (MUSC 1374)**SINGING FOR THE ACTOR II****Credit 1**

This course is the second in a two part series and will focus on song interpretation (paraphrasing, subtexting, given circumstances, emotions, images, and releasing) and articulation (vowel and consonant execution). 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. These personal abilities will be enhanced as the student learns to apply song interpretation and articulation technique to the fundamental techniques of singing. Finally, this course will prepare a student to successfully perform songs within various styles and contexts.

Prerequisite: None

THEA 1410**BALLET I/I****Credit 1**

Introduction to the fundamentals of ballet technique utilizing barre work, center work, and basic ballet terminology. May be used for applied arts credit.

Prerequisite: None

THEA 1420**BALLET I/II****Credit 1**

Continuation of the study of fundamental ballet techniques utilizing barre work, center work, basic enchainments, and basic ballet terminology. May be used for applied arts credit.

Prerequisite: THEA 1410 or instructor permission

Course Descriptions

THEA 1430

MODERN DANCE I/I

Credit 1

Exploration of the fundamentals of modern dance with emphasis on locomotor movement and quality of movement. May be used for applied arts credit.

Prerequisite: None

THEA 1440

MODERN DANCE I/II

Credit 1

Continued exploration of basic modern dance technique emphasizing strength, flexibility, shape, dynamics, and rhythmic awareness. May be used for applied arts credit.

Prerequisite: THEA 1430 or Instructor Permission

THEA 1450

TAP DANCE I

Credit 1

The study of basic tap steps with emphasis on rhythmic accuracy and clarity of tap sounds. May be used for applied arts credit.

Prerequisite: None

THEA 1460

MUSICAL THEATRE VOCAL ENSEMBLE

Credit 1

This course is designed to enable students to learn and rehearse the actual music portion of musical theatre productions.

This class may be taken up to four times for credit

Prerequisite: Instructor Permission

THEA 1480

JAZZ DANCE I

Credit 1

Exploration of the fundamentals of jazz dance technique with emphasis on rhythm and style. May be used for applied arts credit.

Prerequisite: None

THEA 1500-1505

DANCE PERFORMANCE I-VI

Credit 2

Production and performance experience in concert dance and musical theatre. Students may also have the opportunity to experiment with their own choreography. (May count 4 sections toward graduation.)

Corequisite: Currently enrolled in a Technique class.

Flexible Entry

THEA 2050

THEATRE PRACTICE I

Credit 1

This course provides practical experience for students interested in participating in college-sponsored theatre activities and production. Students enrolled in this course will be responsible for active participation in mounting a full-scale theatrical production. Each student will be responsible for fulfilling one or more roles in the production. Roles may vary from performance to production team and from management to technical work. Students will be required to work a minimum of 30 lab hours for this course. This course may be taken up to six times for credit.

Prerequisite: Instructor Permission

Flexible Entry

THEA 2051**THEATRE PRACTICE II****Credit 2**

This course provides practical experience for students interested in participating in college-sponsored theatre activities and production. Students enrolled in this course will be responsible for active participation in mounting a full-scale theatrical production. Each student will be responsible for fulfilling one or more roles in the production. Roles may vary from performance to production team and from management to technical work. Students will be required to work a minimum of 60 lab hours for this course. This course may be taken up to six times for credit.

Prerequisite: Instructor Permission

Flexible Entry

THEA 2052**THEATRE PRACTICE III****Credit 3**

This course provides practical experience for students interested in participating in college-sponsored theatre activities and production. Students enrolled in this course will be responsible for active participation in mounting a full-scale theatrical production. Each student will be responsible for fulfilling one or more roles in the production. Roles may vary from performance to production team and from management to technical work. Students will be required to work a minimum of 90 lab hours for this course. This course may be taken up to six times for credit.

Prerequisite: Instructor Permission

Flexible Entry

THEA 2100**ACTING II****Credit 3**

This course will continue to use “you” (yourself) as the source and foundation of true emotion and behavior. Skills of relaxation, trust, observation, substitution, sense memory, emotional memory, imagery, inner objects, professionalism, concentration, actor scoring, script analysis, and believability will be examined more thoroughly than in Beginning Acting through participation in class acting exercises, monologue and scene work, analysis and improvisation. Emphasis will be placed on learning multiple approaches to organic character development and relationship. Specific topics of study include: energy, connection, breath, spatial awareness, inner objects, endowing, the “moment before,” centers, physicality, animal work and other image based characterization, and improvisation.

Prerequisite: THEA 1100

THEA 2110**ACTING FOR MUSICAL THEATRE II****Credit 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: THEA 1110

THEA 2125**BEGINNING SCENIC DESIGN****Credit 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****Credit 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. Prerequisite: None

THEA 2150**STAGE MANAGEMENT****Credit 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 pre-production 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, pre-performance preparation, running a show, organizational structure, and human behavior.

Prerequisite: None

THEA 2160**STAGE MAKE-UP****Credit 2**

This class is designed to teach students fundamental techniques in stage make-up design and application.

Prerequisite: None

THEA 2165**BEGINNING DIRECTING****Credit 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: THEA 1100

THEA 2175**BEGINNING COSTUME DESIGN****Credit 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 2215**BEGINNING CHOREOGRAPHY****Credit 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: Instructor Permission

THEA 2220**STAGECRAFT****Credit 3**

A study of fundamental skills and concepts necessary to create a theatrical environment utilizing image and function.

Prerequisite: None

THEA 2230**STAGE LIGHTING****Credit 3**

A study of stage lighting equipment and basic design concepts for lighting a play.

Prerequisite: None

THEA 2250**COMPUTER AIDED DESIGN I****Credit 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 2270**BEGINNING LIGHTING DESIGN****Credit 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****Credit Variable**

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****Credit 1**

The study of beginning/intermediate ballet technique introducing grand allegro, turns and adagio combinations. May be taken 3 times for credit.

Prerequisite: THEA 1420 or Instructor Permission

THEA 2420**BALLET II/II****Credit 1**

The study of beginning/intermediate ballet technique with increased emphasis on center floor combinations including petite allegro, grand allegro, traveling turns, and adagio. May be taken 3 times for credit.

Prerequisite: THEA 2410 or Instructor Permission

THEA 2430**MODERN DANCE II/I****Credit 1**

The study of intermediate modern dance technique with emphasis on complex combinations and increasing physical demands on the body. May be taken 3 times for credit.

Prerequisite: THEA 1440 or Instructor Permission

THEA 2440**MODERN DANCE II/II****Credit 1**

The study of intermediate modern dance technique with emphasis on complex combinations and increasing physical demands on the body. The study of Laban/Bartenieff movement will be reinforced along with floor combinations using 5 and 7 counts. May be taken 3 times for credit.

Prerequisite: THEA 2430 or Instructor Permission

THEA 2450**TAP DANCE II****Credit 1**

This class 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 rhythmic accuracy and clarity of tap sounds.

Prerequisite: THEA 1450

THEA 2480**JAZZ DANCE II****Credit 1**

Continued exploration of basic Jazz Dance technique with emphasis on increasingly complex combinations and style. May be used for applied arts credit.

Prerequisite: THEA 1480 or Instructor Permission

THEA 2500**THEATRE PORTFOLIO****Credit 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 the 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****Credit 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: None

THEA 2615**SOUND DESIGN****Credit 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 2971**TECHNICAL THEATRE INTERNSHIP****Credit 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.

Prerequisite: Interview with Instructor Required

THEA 2972**THEATRE MANAGEMENT INTERNSHIP****Credit 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.

Prerequisite: Interview with Instructor Required

THEA 2973**REHEARSAL ACCOMPANIST INTERNSHIP****Credit 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.

Prerequisite: Interview, Audition, and Instructor Permission

Flexible Entry

TRACTOR TRAILER DRIVING (DRIVER TRAINING)

TTD 1500**NOVICE CDL TRAINING****Credit 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.

Prerequisite: Current Class A or Class B vehicles with an Air Brake endorsements and combinations. Students must present a valid DOT Physical Certificate and valid Social Security card.

Flexible Entry

WELDING TECHNOLOGY

All welding classes are taught as flex-entry, competency based instruction in the welding lab. Letter grade or satisfactory/unsatisfactory option. S/U grades may not be used to fulfill graduation requirements.

Course Descriptions

WELD 1710

OXYACETYLENE WELDING

Credit 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.

Prerequisite: None

Flexible Entry

WELD 1715

OXYACETYLENE CUTTING

Credit 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.

Prerequisite: None

Flexible Entry

WELD 1755

SHIELDED METAL ARC WELDING

Credit 3

The student should be able to discuss SMAW, its processes and principals; 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.

Prerequisite: None

Flexible Entry

WELD 1760

ADV. SHIELDED METAL ARC WELDING

Credit 3

The student should be able to weld tee joints in the horizontal position using E-7024 welding electrodes as well as single and multi-pass welds in the vertical-up and overhead positions using E-6010 and E-7018 welding electrodes. The student will become familiar with air-arc cutting and gouging techniques.

Prerequisite: WELD 1755 or Instructor Permission

Flexible Entry

WELD 1770

GAS METAL ARC WELDING

Credit 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-grove butt joints on mild steel and aluminum.

Prerequisite: WELD 1840 or Instructor Permission

Flexible Entry

WELD 1774

GAS METAL ARC WELDING – PIPE

Credit 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.

Prerequisites: WELD 1770 or Instructor Permission

Flexible Entry

WELD 1776**FLUX CORED ARC WELDING – PIPE****Credit 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

Flexible Entry

WELD 1780**GAS TUNGSTEN ARC WELDING - PLATE****Credit 4**

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.

Prerequisites: WELD 1840 and WELD 1950 or Instructor Permission

Flexible Entry

WELD 1840**GROOVE WELDING PLATE****Credit 3**

The student will learn to weld Single Vee-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.

Prerequisites: WELD 1760 or Instructor Permission

Flexible Entry

WELD 1860**WELDING FABRICATION****Credit 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

Prerequisites: WELD 1755 and WELD 1760 or Instructor Permission

WELD 1950**SMAW STAINLESS STEEL BASIC****Credit 3**

This course is intended to introduce the student to the basic 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

Flexible Entry

WELD 1960**SUBMERGED ARC WELDING****Credit 2**

Students will learn the basics of the Submerged Arc Welding Process. Topics include: SAW processes and safety, SAW power sources and equipment, SAW electrodes and fluxes and SAW procedures and joint designs.

Prerequisites: WELD 1774 and WELD 1776

Flexible Entry

Course Descriptions

WELD 2510

PIPE WELDING I: SCHEDULE 40 PIPE

Credit 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. E6010 welding electrodes will be used on root beads and E7018 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 this course.

Prerequisites: WELD 1840 or Instructor Permission

Flexible Entry

WELD 2520

PIPE WELDING II: SCHEDULE 80 PIPE

Credit 3

This self-paced course is offered all semesters as both a day and an evening class, and students employed in shift-work may attend either session. Topics of study include welding to specifications V-groove joints on schedule 80 pipe in the 2G, 5G, and 6G positions. The SMAW process will be used and E-6010 will be used on the roots and E-7018 will be used on all filler passes. All welding in this block will be done in the vertical up and horizontal up method. All welds will be tested with the destructive bend tester and the tests for certification may also be radiographed.

Prerequisites: WELD 2510 or Instructor Permission

Flexible Entry

WELD 2530

DOWNHILL PIPE WELDING

Credit 3

The student will weld to specifications Vee-groove butt joints in the 2G, 5G vertical-down and the 6G vertical-down positions. The E6010 electrode will be used for the root pass and when required, for the hot pass. E7010, or 70+ (E8010), 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.

Prerequisites: WELD 1840 or Instructor Permission

Flexible Entry

WELD 2540

PIPE LAYOUT & FABRICATION

Credit 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 to extreme accuracy.

Prerequisites: WELD 2520 or Instructor Permission

Flexible Entry

WELD 2630

WELDING FOR THE ARTS I

Credit 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 processors and principals, have a basic knowledge of welding power supplies, tools and equipment and be able to discuss electrical safety. This course is not intended for Welding majors.

Prerequisite: None

WELD 2635**WELDING FOR THE ARTS II****Credit 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 fabrication. Students will be required to fabricate a metal sculpture or other weldments as a final project. This course is not intended for Welding majors.

Prerequisite: None

WELD 2650**GAS TUNGSTEN ARC WELDING – PIPE****Credit 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.

Prerequisites: WELD 1780 or Instructor Permission

Flexible Entry

WELD 2660**STAINLESS STEEL PIPE WELDING****Credit 3**

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.

Prerequisites: WELD 2650 or Instructor Permission

Flexible Entry

WELD 2670**WELDING INSPECTION TECHNOLOGY****Credit 1-4**

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.

Prerequisites: WELD 1840 or Instructor Permission

WELD 2810**CERTIFICATION TEST TRAINING****Credit .5**

This course is an introduction to the proper techniques and practices needed to meet the requirements of Weld Certification Testing.

Prerequisite: None

ADDITIONAL INFORMATION



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2011-2012 FACULTY AND ADMINISTRATION**ALLEN, Jennifer**

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BALSER, Suzanne.....	Theatre	KOZAKAVICH, Stacy.....	Anthropology
BATES, Russell.....	Computer Applications	LEGERSKI, Anthony.....	Communications
BEVELL, Trace.....	Math	LEUM, Kay.....	Physical Activity
BUNNING, Lisa.....	Psychology	LUSTIK, Joseph.....	Physical Activity
CACHELIN, Morgan.....	English, Spanish	McCLURE, Anna.....	Computer Science
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CAMPELL, Ryan.....	English	MEDLER, Clint.....	Physical Activity
CARTER, Rick*.....	Physical Education	MELSON, Curtis.....	Math
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CHENEY, Rose Marie.....	Math	MORTENSEN, John.....	Machine Tool
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